

UNIVERSITY OF ARKANSAS  
FAYETTEVILLE, ARKANSAS

PUBLICATIONS AND PRESENTATIONS  
JULY 1, 2006 – JUNE 30, 2007

## Table of Contents

Bumpers College of Agricultural, Food and Life Sciences	Page 3
School of Architecture	Page 155
Fulbright College of Arts and Sciences	Page 168
Walton College of Business	Page 258
College of Education and Health Professions	Page 280
College of Engineering	Page 313
School of Law	Page 376
University Libraries	Page 381

# **Bumpers College of Agricultural, Food and Life Sciences**

## **BOOKS**

### **Crop, Soil and Environmental Sciences**

Delouche, J.C., N.R. Burgos, D.R. Gealy, G. Zorilla-San Martin, R. Labrada, and M. Larinde. 2006. Weedy Rices – Origin, Biology, Ecology and Control. Food and Agric. Org. (FAO) of the United Nations, Rome, Italy. 122 pages

.Norman, R.J., J.-F. Meullenet, K.A.K. Moldenhauer (eds). 2006. B.R. Wells Rice Research Studies. 2005. Univ. of Ark. Agr. Exp. Stn. Res. Ser., 540. 424 pages.

Oosterhuis, D.M. (Ed.) 2006. Summaries of Cotton Research in Progress in 2005. AR Ag. Exp. Stn. Res. Ser. 543. 297 pages.

### **Entomology**

McLeod, P.J. 2006. Identification, biology and management of insects attacking vegetables in Arkansas. Sirena Press, Santa Cruz, Bolivia. 244 pages.

### **Poultry Science**

Ricke, S.C.<sup>‡</sup>, I. B. Zabala-Diaz and J.T. Keeton. 2007. Fermented Meat, Poultry, and Fish. In: M.P. Doyle, L.R. Beuchat, and T.J. Montville (Eds.), Food Microbiology-Fundamentals and Frontiers. American Society for Microbiology, 3<sup>rd</sup> Edition, Washington, D.C. 2006.

## **BOOK CHAPTERS**

### **Animal Science**

Yazwinski, T.A. and C.A. Tucker. A General Discussion of Nematodes and Acanthocephalans. Diseases of Poultry. 1 Chapter. 2006

Yazwinski, T.A. and C.A. Tucker. A Sampling of Factors Relative to the Epidemiology of Gastrointestinal Nematode Parasites of Cattle in the United States. Veterinary Clinics of Food Animals. 1 Chapter. 2006

### **Biological and Agricultural Engineering**

Haggard, B. E. and A.N. Sharpley. 2006. Phosphorus transport in streams: Processes and

modeling considerations. In Modeling Phosphorus in the Environment Editors D.E. Radcliffe and M.L. Cabrera, CRC Press Taylor and Francis Group, Boca Raton, Fl.

Harmel, R.D. and B. E. Haggard. 2006. Small watershed data collection to support phosphorus modeling. In Modeling Phosphorus in the Environment Editors D.E. Radcliffe and M.L. Cabrera, CRC Press Taylor and Francis Group, Boca Raton, Fl.

Deaton, R., J. Chen, J. W. Kim, M. Garzon, and D.H. Wood. 2006. Test Tube Selection of Large Independent Sets of DNA Oligonucleotides. In: Nanotechnology: Science and Computation. J. Chen et al. (eds). Springer.

Deaton, R., J. Lusth, and J. W. Kim. Integrating Nanoscale Science and Technology into Introductory Computer Science Courses. (Appears in 2006).

Li, Y. and X. Su. 2006. Piezoelectric Sensors. P. 359-367 In: Encyclopedia of Medical Devices and Instrumentation, 2nd Ed, Vol. 5, J.G. Webster (ed). John Wiley & Sons, Hoboken, NJ.

Li, Y. 2006. Biosensors. P. 52-93 In: CIGR Handbook of Agricultural Engineering VI: Information Technology, A. Munack (ed). The American Society of Agricultural and Biological Engineers, St. Joseph, MI.

### **Crop, Soil and Environmental Sciences**

Counce, P.A. 2006. Rice – Cultivation In Black, M., J.D. Bewley and P.Halmer (eds). The Encyclopedia of Seeds: Science, Technology, Uses. Commonwealth Agricultural Bureau p. 586-589.

Evers, Anthony, Mark Nisbett, Paul Counce and Micheal Black. 2006. Rice In Black, M., J.D. Bewley and P.Halmer (eds). The Encyclopedia of Seeds: Science, Technology, Uses. Commonwealth Agricultural Bureau p. 583-586.

### **Food Science**

Hettiarachchy, Navam, Ronny Horax, Uruthra Kalapathy. 2006. Food Additives Chapter 17. In Food Chemistry: Principles and Applications, Second Edition. Y.H. Hui (Editor). Science and Technology System, West Sacramento, CA.

Siebenmorgen, T.J. and N.T.W. Cooper. 2006. Rice Kernel Properties. Marcel Dekker. Encyclopedia of Agricultural, Food, and Biological Engineering. p. 1-4.  
<http://www.dekker.com/sdek/abstract~db=enc~content=a713626434>.

## **Horticulture**

Clark, J.R., E.T. Stafne, H. Hall, and C.E. Finn. 2007. Blackberry Breeding and Genetics. Plant Breeding Reviews, Timber Press, Portland, Ore. 29:19-144.

## **Plant Pathology**

Edwards, J. Klingler, L. Gao, K.L. Korth, K. Singh (2006) Medicago truncatula interaction with insects. In: The Medicago truncatula Handbook. <http://www.noble.org/MedicagoHandbook/>, U. Mathesius, Ed.

Korth, K.L. and Thompson, G.A. (2006) Chemical signals in plants: jasmonates and the role of insect-derived elicitors in responses to herbivores. In: Multigenic and Induced Systemic resistance in Plants. S. Tuzun and E. Bent, Eds.

## **Poultry Science**

Donoghue, A.M., M.B. Farnell, K. Cole and D.J. Donoghue (2006). Mechanisms of pathogen control in the gastrointestinal tract. In: Mechanisms of pathogen control in the gastro-intestinal tract, G. Mead editor, World Poultry Association, Ch. 9 pgs 138-155.

Li, Y. and X. Su. 2006. Piezoelectric Sensors. P. 359-367 In: Encyclopedia of Medical Devices and Instrumentation, 2<sup>nd</sup> Ed, Vol. 5, J.G. Webster (ed). John Wiley & Sons, Hoboken, NJ.

Li, Y. 2006. Biosensors. P. 52-93 In: CIGR Handbook of Agricultural Engineering VI: Information Technology, A. Munack (ed). The American Society of Agricultural and Biological Engineers, St. Joseph, MI.

Waldroup, P. W. 2006. Striving for a feed conversion of 1.00 – the challenges we need to overcome. Pages 177-184 In: Nutritional approaches to arresting the decline in fertility of pigs and poultry (J.A. Taylor-Pickard and L. Nollet, ed.) Wageningen Academic Publishers, The Netherlands.

## **REFEREED ARTICLES**

### **Agricultural Economics and Agribusiness**

Ahrendsen, Bruce L., Charles B. Dodson, Bruce L. Dixon and Steven R. Koenig. 2005. “Research on USDA Farm Credit Programs: Past, Present, and Future.” Agricultural Finance Review 65,2(Fall):165-181.

Carreira, R. I., A. L. Stoecker, F. M. Epplin, J. A. Hattey and M. A. Kizer. 2006. "Subsurface Drip Irrigation Versus Center-Pivot Sprinkler for Applying Swine Effluent to Corn." *Journal of Agricultural and Applied Economics* 38,3(December):645-658.

Coblentz, W., K. Coffey, T. Smith, D. Hubbell, D. Scarbrough, J. Humphry, B. McGinley, J. Turner, J. Jennings, C. West, M. Popp, D. Hellwig, D. Kreider and C. Rosenkranz. "Using Orchardgrass and Endophyte-Free Fescue Versus Endophyte-Infected Fescue Overseeded on Bermudagrass for Cow Herds: I. Four-Year Summary of Cow-calf Performance." *Crop Science* 46:1919-1928.

Coblentz, W., K. Coffey, T. Smith, D. Hubbell, D. Scarbrough, J. Humphry, B. McGinley, J. Turner, J. Jennings, C. West, M. Popp, D. Hellwig, D. Kreider and C. Rosenkranz. "Using Orchardgrass and Endophyte-Free Fescue Versus Endophyte-Infected Fescue Overseeded on Bermudagrass for Cow Herds: II. Four-Year Summary of Forage Characteristics." *Crop Science* 46:1929-1938.

DeLaune, P. B., B. E. Haggard, T. C. Daniel, I. Chaubey and M. J. Cochran. 2006. "The Eucha/Spavinaw Phosphorus Index: A Court Mandated Index for Litter Management." *Journal of Soil and Water Conservation* 61(2):96-105.

Hill, Jason, Eric Wailes, Mike Popp, Jennie Popp, Jim Smartt, Ken Young and Brad Watkins. 2006. "Surface Water Diversion Impacts on Farm Income and Sources of Irrigation Water: The Case of the Grand Prairie in Arkansas." *Journal of Soil and Water Conservation* 61(4):185-191.

Kemper, N. P., J. S. Popp, H. L. Goodwin, Jr., W. P. Miller and G. A. Doeksen. 2006. "The Economic Power of Poultry in the Ozarks." *Journal of Applied Poultry Research* 15:502-510.

Popp, Michael P., Jeffrey T. Edwards, Larry C. Purcell and Patrick M. Manning. 2006. "Profitmaximizing Seeding Rates and Replanting Thresholds for Soybean: Maturity Group Interactions in the Mid-South." *Agricultural Systems* 91:211-228.

Popp, M., P. Manning, J. Edwards and L. Purcell. 2006. "Plant Population Density and Maturity Effects on Profitability of Short-season Maize Production in the Mid-Southern U.S." *Agronomy Journal* 98:760-765.

Rainey, Daniel V. Olga I. Murova, and Melvin J. Landry Jr. 2006. "Economic Growth and Local Government Expenditures." *Applied Research in Economic Development*. 3(2): 45-55.

Thomsen, Michael R., Rimma Shiptsova and Sandra J. Hamm. 2006. "Sales Responses to Recalls for *Listeria monocytogenes*: Evidence from Branded Ready-to-Eat Meats." *Review of Agricultural Economics* 24(4):482-493.

Watkins, K. B., J. L. Hill, M. M. Anders, and T. E. Windham. 2006. "Whole-Farm Evaluation of No-Till Profitability in Rice Production Using Mixed Integer Programming." *Journal of Agricultural and Applied Economics* 38,3(December):611-627.

### **Agricultural and Extension Education**

Dickinson, A.R. & Johnson D.M. (2006). A low-cost programmable logic control (PLC) trainer for use in a university agricultural electricity course. *Journal of Agricultural Systems, Technology, and Management*, 21, 1-8.

Dickinson, A., Johnson, D.M., & Wardlow, G.W. (2006). A compact precision agriculture sprayer for use in university and Extension education programs. *Proceedings of the 2006 American Association for Agricultural Education, Southern Region Conference, Orlando, FL.*

Meyers, C.A. & Miller, J.D. (2006). Evaluating genetically modified food labels: A focus group study. *Proceedings of the 102<sup>nd</sup> Annual Meeting of the Southern Association of Agricultural Scientists Agricultural Communications Section, Orlando, FL.* Available on-line from <http://agnews.tamu.edu/saas/saasproceedings.html>.

Meyers, C.A. & Miller, J.D. (2006). Prototypes of genetically modified food label designs based on the Elaboration Likelihood Model of persuasion. *Proceedings of the Association for Communication Excellence Conference, Ontario, Canada.*

Miller, J.D., Stewart, D., & West, L. (2006, February). Themes, authors, and citations in the *Journal of Applied Communications, 2000-2004.* *Proceedings of the 102<sup>nd</sup> Annual Meeting of the Southern Association of Agricultural Scientists Agricultural Communications Section, Orlando, FL.* Available on-line from <http://agnews.tamu.edu/saas/saasproceedings.html>.

### **Agricultural Statistics**

Golden, B.R., N.A. Slaton, R.J. Norman, E.E. Gbur, K.R. Brye and R.E. DeLong 2006. Recovery of nitrogen in fresh and pelletized poultry litter by rice. *Soil Science Society of America Journal*. 70: 1359-1369.

Stephenson, D.O., L.R. Oliver, N.R. Burgos and E.E. Gbur 2006. Identification and characterization of pitted morning glory (*Ipomoea lacunosa*) ecotypes. *Weed Science*. 54: 65-73.

Brye, K.R., D.E. Longer and E.E. Gbur 2006. Impact of tillage and residue burning on carbon dioxide flux in a wheat-soybean production system. *Soil Science Society of America Journal*. 70: 1145-1154.

Osaili, T.M., C.L. Griffis, E.M. Martin, E.E. Gbur and J.A. Marcy 2006. Modeling cooking time to inactivate salmonella in chicken leg quarters cooked in an air-stream impingement oven. *Journal of Food Science*. 71(5): M146-M149 (doi: 10.1111/j.1750-3841.2006.00043.x).

Pirani, A.L., K.R. Brye, T.C. Daniel, B.E. Haggard, E.E. Gbur, and J.D. Mattice 2006. Soluble metal leaching from a poultry-litter-amended Udult under pasture vegetation. *Vadose Zone Journal*. 5: 1017-1034.

Kirkpatrick, M.T., C.S. Rothrock, J.C. Rupe and E.E. Gbur 2006. The effect of *Pythium ultimum* and soil flooding on two soybean cultivars. *Plant Disease*. 90: 957-902.

Cordell, M.L., K.R. Brye, D.E. Longer and E.E. Gbur 2006. Residue management practices in a young wheat-soybean double-cropping system. I. Effects on soybean establishment and growth. *Journal of Sustainable Agriculture*. 29: 97-120.

Brye, K.R., M.L. Cordell, D.E. Longer and E.E. Gbur 2006. Residue management practices in a young wheat-soybean double-crop system. II. Effects on soil surface properties. *Journal of Sustainable Agriculture*. 29: 121-150.

Bass, M.A., Ford, A., Brown, B., Mauromoustakos, A., & Keathley, R.S. 2006. Variables for the prediction of femoral bone mineral status in American women. *Southern Medical Journal*. 99(2): 115-122.

## **Animal Science**

Apple, J. K., E. B. Kegley, D. L. Galloway, T. J. Wistuba, L. K. Rakes, and J. W. S. Yancey. 2006. Treadmill exercise is not an effective methodology for producing the dark cutting condition in young cattle. *J. Anim. Sci.* 84:3079-3088.

Balentine, C.W., P.G. Crandall, C.A. O'Bryan, D.Q. Duong, and F.W. Pohlman. 2006. The pre- and post- grinding application effects on the antioxidant and bacteriostatic properties of rosemary extract in ground beef. *Meat Sci.* 73:413-421.

Baublits, R.T., F.W. Pohlman, A.H. Brown, Jr., D.C. Rule, Z.B. Johnson, D.O. Onks, C.M. Murrieta, B.A. Sandelin, C.J. Richards, H.D. Loveday, and R.B. Pugh. 2006. Comparison of fatty acid and sensory profiles of beef from forage-fed cattle compared with retail United States Department of Agriculture Choice and Select beef. *J. Muscle Foods* 17(3):311-329.

Baublits, R.T., F.W. Pohlman, A.H. Brown, Jr., and Z.B. Johnson. 2006. Enhancement with varying phosphate types, concentrations, and pump rates, without sodium chloride on beef biceps femoris quality and sensory characteristics. *Meat Sci.* 72:404-414.

Baublits, R.T., F.W. Pohlman, A.H. Brown, Jr., and Z.B. Johnson. 2006. Effects of enhancement with varying phosphate types, concentrations, and pump rates, without sodium chloride on beef biceps femoris instrumental color characteristics. *Meat Sci.* 72:503-512.

Baublits, R.T., F.W. Pohlman, A.H. Brown, Jr., D.C. Rule, Z.B. Johnson, D.O. Onks, C.M. Murrieta, C.J. Richards, H.D. Loveday, B.A. Sandelin, and R.B. Pugh. 2006. Fatty acid and

sensory characteristics of beef from three biological types of cattle grazing cool-season forages supplemented with soy hulls. *Meat Science* 72(1):100-107.

Baublits, R.T., F.W. Pohlman, A.H. Brown, Jr., D.C. Rule, Z.B. Johnson, D.O. Onks, C.M. Murrieta, C.J. Richards, H.D. Loveday, B.A. Sandelin, and R.B. Pugh. 2006. Comparison of fatty acid and sensory profiles of beef from forage-fed cattle compared with retail USDA choice and select beef. *J. Muscle Foods* 17(3):311-329.

Baublits, R.T., F.W. Pohlman, A.H. Brown, Jr., E.J. Yancey, and Z.B. Johnson. 2006. Impact of muscle type and sodium chloride concentration on the quality, sensory, and instrumental color characteristics of solution enhanced beef muscles *Meat Sci.* 72(4):704-712.

Baublits, R.T., F.W. Pohlman, A.H. Brown, Jr., E.J. Yancey, Z.B. Johnson, and P. Dias-Morse. 2006. Solution enhancement and post-enhancement storage effects on the quality, sensory, and retail display characteristics of triceps brachii beef muscles. *J. Food Sci.* 71(2):S91-96.

Baublits, R.T., F.W. Pohlman, A.H. Brown, Jr., Z.B. Johnson, A. Proctor, J. Sawyer, P. Dias-Morse and D.L. Galloway. 2007. Injection of conjugated linoleic acid into beef strip loins. *Meat Science.* 75(1):84-93.

Baublits, R.T., F.W. Pohlman, A.H. Brown, Jr., Z.B. Johnson, A. Proctor, J. Sawyer, P. Dias-Morse, and D. Galloway. 2007. Injection of conjugated linoleic acid into beef strip loins. *Meat Sci.* 75:84-93.

Beck, P. A, S. A. Gunter, and J. M. Phillips. 2006. Evaluation of supplementation programs for growing cattle grazing stockpiled tall fescue. *Prof. Anim. Sci.* 22:325-333.

Brown, A.H., Jr., P.K. Camfield, R.T. Baublits, F.W. Pohlman, Z.B. Johnson, C.J. Brown, G.T. Tabler, Jr., and B.A. Sandelin. 2006. Effects of size and rate of maturing on carcass composition of pasture- or feedlot-developed steers. *Asian-Aust. J. Anim. Sci.* 19(5):661-671.

Brown, A.H., Jr., R.T. Baublits, F.W. Pohlman, Z.B. Johnson, C.J. Brown, G.T. Tabler, Jr., B.A. Sandelin, and P.K. Camfield. 2006. Effects of size and rate of maturing on carcass composition of pasture- or feedlot-developed steers. *Feedinfo News Service Scientific Reviews.* Sept. 2006. Available from URL: <http://www.feedinfo.com>.

Brown, D.C., C.V. Maxwell, G.F. Erf, M.E. Davis, S. Singh, and Z.B. Johnson. 2006. Ontogeny of T lymphocytes and morphological characteristics in neonatal pigs at different ages in the postnatal period. *J. Anim. Sci.* 84:567-578.

Brown, D.C., C.V. Maxwell, G.F. Erf, M.E. Davis, S. Singh, and Z.B. Johnson. 2006. The influence of different management systems and age on the intestinal morphology, immune cell

numbers and mucin production from goblet cells in post-weaning pigs. *Veterinary Immunology and Immunopathology* 111:187-198.

Brown, A.H., Jr., P.K. Camfield, C.W. Rowe, L.Y. Rakes, F.W. Pohlman, Z.B. Johnson, G.T. Tabler, Jr., and B.A. Sandelin. 2007. Effect of beef growth type on cooking loss, tenderness and chemical composition of pasture- or feedlot-developed steers. *Asian-Aust. J. Anim. Sci.*

Cassida, K. S., B. S. Stewart, V. A. Haby, and S. A. Gunter. 2006. Alfalfa pasture as an alternative to bermudagrass for stocker calves. *Agron. J.* 98:705-713.

Coblentz, W.K., Coffey, K.P., Smith, T.F., Hubbell, D.S., Scarbrough, D.A., Humphry, J.B., Mcginley, B.C., Turner, J.E., Jennings, J.A., West, C.P. Popp, M.P., Hellweig, D.H., Kreider, D.L., and Rosenkrans, C.F., Jr. 2006. Using Orchardgrass and Endophyte-Free Fescue Versus Endophyte-Infected Fescue Overseeded on Bermudagrass for Cow Herds: Four-Year Summary of Cow-Calf Performance. *Crop Science.* 46:1929-1938.

Coblentz, W. K., K. P. Coffey, T. F. Smith, D. S. Hubbell, III, D. A. Scarbrough, J. B. Humphry, B. C. McGinley, J. E. Turner, J. A. Jennings, C. P. West, M. P. Popp, D. H. Hellwig, D. L. Kreider, and C. F. Rosenkrans, Jr. 2006. Using orchardgrass and endophyte-free fescue versus endophyte-infected fescue overseeded on bermudagrass for cow herds: four-year summary of forage characteristics. *Crop Science.* 46:1919-1928.

Davis, M.E. S.C. Sears, J.K. Apple, C.V. Maxwell, and Z.B. Johnson. 2006. Effect of weaning age and commingling after the nursery phase of pigs in a wean-to-finish facility on growth, and humoral and behavioral indicators of well-being. *J. Anim. Sci.* 84:743-756.

Davis, M.E., T. Rehberger, C.V. Maxwell, D.C. Brown, Z.B. Johnson, K. Bos and A. Baker. 2007. Effect of direct-fed microbial and antibiotic supplementation on gastrointestinal microflora, mucin histochemical characterization, and immune populations of weanling pigs. *Livestock Sci.*

Doung, D.Q., P.G. Crandall, F.W. Pohlman, C.A. O'Bryan, C.W. Balentine, and A. Castillo. 2006. Improving ground beef safety and stabilizing color through the irradiation process and display. *Meat Sci.*

Flores, R., M. L. Looper, D. L. Kreider, N. M. Post, and C. F. Rosenkrans Jr. Estrous behavior and initiation of estrous cycles in postpartum Brahman influenced cows after treatment with progesterone and prostaglandin F<sub>2α</sub>. *J. Anim. Sci.* 2006. 84:1916–1925.

Flores, R., M.L. Looper, R.W. Rorie, M.A. Lamb, S.T. Reiter, D.M. Hallford, D.L. Kreider, C.F. Rosenkrans, Jr. 2007. Influence of body condition and bovine somatotropin on estrous behavior, reproductive performance, and concentrations of serum somatotropin and plasma fatty acids in postpartum Brahman-influenced cows. *J. Anim. Sci.* Jan 3; [Epub ahead of print]

- Gadberry, M. S., P. A. Beck, T. C. Losi, S. Hutchison, and S. A. Gunter. 2006. Performance of beef cows supplemented with de-oiled rice bran. *J. Appl. Anim. Res.* 29:97-104.
- Gregorini, P., M. Eirin, R. Refi, M. Ursino, O. E. Ansin, and S. A. Gunter. 2006. Effects of timing of herbage allocation in strip grazing: Effects on grazing pattern and performance of beef heifers. *J. Anim. Sci.* 84:1943-1950.
- Gregorini, P., S. Tamminga, and S. A. Gunter. 2006. Review: Behavior and daily grazing patterns of cattle. *Prof. Anim. Sci.* 22:201-209.
- Gunter, S. A., P. A. Beck, and D. H. Hubbell III. 2006. The effect of eprinomectin or fenbendazole on the performance of growing steers grazing tall fescue. *J. Appl. Anim. Res.* 29:1-5.
- Hutchison, S., E. B. Kegley, J. K. Apple, T. J. Wistuba, M. E. Dikeman, and D. C. Rule. 2006. Effects of adding poultry fat in the finishing diet of steers on performance, carcass characteristics, sensory traits, and fatty acid profiles. *J. Anim. Sci.* 84:2426-2435.
- Looper, M.L., T.S. Edrington, R. Flores, C.F. Rosenkrans, Jr., G.E. Aiken. 2006. *Escherichia coli* O157:H7 and *Salmonella* in water and soil from tall fescue paddocks. *Foodborne Pathog. Dis.* 3:203-208.
- Looper, M.L., T.S. Edrington, R. Flores, C.F. Rosenkrans, Jr., M.E. Nihsen, G.E. Aiken. 2006. Prevalence of *Escherichia coli* O157:H7 and *Salmonella* in beef steers consuming different forage diets. *Lett. Appl. Microbiol.* 42:583-588.
- Oxford, E.L., A.H. Brown, Jr., Z.B. Johnson, and D.W. Kellogg. 2006. Case Study: Sire breed effects on preweaning traits of crossbred and purebred calves from Angus or Hereford dams. *Prof. Animal Scientist* 22:59-64.
- Pohlman, F. W., P. N. Dias-Morse, S. A. Quilo, A. H. Brown, Jr., P. G. Crandall, R. T. Baublits, R. P. Story, and G. Rajaratnam. 2006. Microbial, instrumental color and sensory characteristics of ground beef processed from beef trimmings treated with potassium lactate, sodium metasilicate, peroxyacetic acid or acidified sodium chlorite as single antimicrobial interventions. *J. Muscle Foods.*
- Pohlman, F.W., P. N. Dias-Morse, S. A. Quilo, A. H. Brown, Jr., P. G. Crandall, R.T. Baublits, R. P. Story, and G. Rajaratnam. 2006. Microbial, instrumental color and sensory characteristics of ground beef processed from beef trimmings treated with potassium lactate, sodium metasilicate, peroxyacetic acid or acidified sodium chlorite as single antimicrobial interventions. *J. Muscle Foods.*

Popp, M., K. E. Coffey, W.K. Coblenz, Z.B. Johnson, D.A. Scarbrough, J.B. Humphrey, T.F. Smith, D.S. Hubbell, J.E. Turner. 2006. An empirical analysis of weaning and pasture rotation frequency with implications for retained ownership. *Agronomy Journal*.

Quilo, S. A., F. W. Pohlman, A. H. Brown, P. G. Crandall, P. N. Dias-Morse, R. T. Baublits, and C. Bokina. 2006. Effects of potassium lactate, sodium metasilicate, peroxyacetic acid and acidified sodium chlorite on physical, chemical and sensory properties on ground beef patties. *Meat Sci*.

Sawyer, J.T., R.T. Baublits, J.K. Apple, J.-F. Meullenet, Z.B. Johnson, and T.K. Alpers. 2006. Lateral and longitudinal characterization of color stability, instrumental tenderness, and sensory characteristics in the beef semimembranosus. *Meat Science*

Thomas, M.L., A.H. Brown, Jr., D.W. Kellogg, D.C. Rule, R.T. Baublits, Z.B. Johnson, K.S. Anschutz, and C.M. Murrieta. 2006. Fatty acid profiles and meat characteristics of different biological types of beef cattle developed on grazed forages under a rotational management-intensive grazing system. *J. Food Qual*.

Thomas, Michelle L., A. H. Brown, Jr., D. Wayne Kellogg, Daniel C. Rule, Robert Ty Baublits, Zelpha B. Johnson, Karen S. Anschutz, and Charles M. Murrieta. 2006. Fatty Acids and Meat Characteristics of Different Biological Types of Beef Cattle Developed on Grazed Forages Under a Rotational Management-Intensive Grazing System. *J. Food Qual*.

Wistuba, T. J., E. B. Kegley, and J. K. Apple. 2006. Influence of fish oil addition to finishing diets on growth performance, carcass characteristics, and sensory evaluation of cattle. *J. Anim. Sci.* 84:902-909.

### **Biological and Agricultural Engineering**

Bajwa, S. G., and E. Vories. 2007. "Spatial analysis of cotton canopy response to irrigation in a moderately humid area." *Irrigation Science* DOI # 10.1007/s00271-006-0058-4 (Online)

Bajwa, S. G. 2006. "Modeling rice plant nitrogen effect on canopy reflectance with partial least square regression." *Transactions of the ASAE*. 49(1): 229-237.

Bajwa, S. G., and A. Mishra. 2006. "Effect of suspended sediment and chlorophyll concentrations on water reflectance." *International Agricultural Engineering Journal* 15(2-3): 139-150.

Bourne, P. J., S. G. Bajwa, and D. S. Bajwa. 2006. "Evaluation of rice hull as a lignocellulosic substitute in wood plastic composites." *Inquiry* 7:66-71.

- Lau S., Carrier D. J., Howard L., Lay J., Liyanage R., Bransby D., and Clausen E. (2007). "Identification and quantification of glycoside flavonoids in the energy crop *Albizia julibrissin*". *Bioresource Technology* 98: 429-435.
- Ekenseair, A., Duan L., Carrier D. J., Bransby, D., and Clausen E. (2005). "Extraction of hyperoside and quercitrin from mimosa (*Albizia julibrissin*) foliage". *Applied Biochemistry and Biotechnology* 130: 382-391.
- Costello, T. and Carrier, D. J. (2006). "Emergence of Biological Engineering at the University of Arkansas". *International Journal of Engineering Education* 22(6):1149-1156.
- Osaili, Tareq M., Carl L. Griffis, Elizabeth M. Martin, Edward E. Gbur, and John A. Marcy. 2006. "Modeling Cooking Time to Inactivate Salmonella in Chicken Leg Quarters Cooked in an Air–Steam Impingement Oven." *Journal of Food Science*, Vol 71:5. pp 146-149.
- Osaili, T., Carl L. Griffis, E. M. Martin, B. L. Beard, A. Keener, and J. A. Marcy. 2006. "Thermal Inactivation Studies of *Escherichia coli* O157:H7, *Salmonella*, and *Listeria monocytogenes* in Ready-to-Eat Chicken-Fried Beef Patties." *Journal of Food Protection*, Vol. 69, No. 5, 2006, Pages 1080–1086.
- O'Bryan, C. A., P. G. Crandall, E. M. Martin, Carl L. Griffis, M. G. Johnson. 2006. "Heat resistance of *Salmonella* spp., *Listeria monocytogenes*, *Escherichia coli* O157:H7, and *Listeria innocua* M1, a potential surrogate for *Listeria monocytogenes*, in meat and poultry: a review." *Journal of Food Science*. pp. R23-30.
- DeLaune, P. B., Haggard, B. E., Daniel, T. C., Chaubey, I., and Cochran, M. C. 2006. "The Eucha/Spavinaw Phosphorus Index: A Court Mandated Index for Litter Management." *Journal of Soil and Water Conservation* 61(2):96-105.
- Ekka, S. A., Haggard, B. E., Matlock, M. D., and Chaubey, I. 2006. "Dissolved phosphorus concentrations and sediment-interactions in effluent dominated Ozark streams. *Ecological Engineering* 26(4):375-391.
- Haggard, B. E., Galloway, J. M., W. R. Green, and M. T. Meyers. 2006. "Pharmaceuticals and other organic chemicals in selected north-central and northwest Arkansas streams." *Journal of Environmental Quality* 35: 1078-1087.
- Haggard, B. E., and Soerens, T. S. 2006. "Sediment phosphorus release at a small impoundment on the Illinois River, Arkansas and Oklahoma, USA." *Ecological Engineering* 28(3): 280-287.

- Harmel, R. D., King, K. W., Haggard, B. E., Wren, D. G., and J. M. Sheridan. 2006. "Practical guidance for discharge and water quality data collection on small watersheds." *Transactions American Society of Agricultural and Biological Engineers* 49(4): 937-948.
- Pirani, M., Brye, K. R., Daniel, T. C., Haggard, B. E., Gbur, E., and Mattice, J. 2006. "Soluble metal leaching from a poultry litter-amended Udult under pasture vegetation." *Vadose Zone Journal* 5: 1017-1034.
- Popova, Y. A., Keyworth, V. G., Haggard, B. E., Storm, D. E., R. A. Lynch, and M.E. Payton. 2006. "Stream nutrient limitation and sediment interactions in the Eucha-Spavinaw Basin, USA." *Journal of Soil and Water Conservation* 61(2): 105-115.
- Smith, D. R., Warnemuende, E. A., Haggard, B. E., and Huang, C. 2006. "Changes in sediment-water column phosphorus interactions following sediment disturbance." *Ecological Engineering* 27(1): 71-78.
- Smith, D. R., Warnemuende, E. A., Haggard, B. E., and Huang, C. 2006. Dredging of drainage ditches increases short-term transport of soluble phosphorus. *Journal of Environmental Quality* 35: 611-616.
- Chaubey, I., Sahoo, D., Haggard, B. E., Matlock, M. D., and Costello, T. A. 2006. "Nutrient-retention, nutrient-limitation, and sediment-nutrient interactions in a pasture dominated stream." *Transactions American Society of Agricultural and Biological Engineers*.
- Haggard, B. E., Smith, D. R., and Brye, K. R. 2006. "Effect of sediment EPC0 and M3P on dissolved phosphorus concentrations in Ozark streams." *Journal of Environmental Quality*.
- Migliaccio, K. W., Haggard, B. E., Chaubey, I., and Matlock, M. D. 2006. "Water quality monitoring at the War Eagle Creek Watershed, Beaver Reservoir, Arkansas." *Transactions American Society of Agricultural and Biological Engineers*.
- Migliaccio, K. W., Chaubey, I., and Haggard, B. E. 2006. "Linking watershed and reservoir models to simulate reservoir water quality." *Journal of the American Water Resources Association*.
- Migliaccio, K. W., Chaubey, I., and Haggard, B. E. 2006. "Evaluation of landscape and instream modeling to predict watershed yields." *Environmental Modeling and Software*.
- Sen, S., Haggard, B. E., Chaubey, I., Brye, K. R., Costello, T. A., and Matlock, M. D. 2006. "Sediment phosphorus release at Beaver Reservoir, Northwest Arkansas, 2002-3." *Water, Air and Soil Pollution*.

Toor, G. S., Haggard, B. E., and Donoghue, A. M. 2006. "Water extractable trace elements in poultry litters and granulated products." *Journal of Applied Poultry Research*.

Toor, G. S., Haggard, B. E., Reiter, M.S., Daniel, T. C., and Donoghue, A. M. 2006. "Phosphorus solubility in poultry litter and granulates: influence of litter treatments and extraction ratios." *Transactions American Society of Agricultural and Biological Engineers*.

Kavdia M., and Popel A. S., "Venular endothelium derived no can affect paired arteriole: a computational model." *American Journal of Physiology-Heart Circ Physiol*. 290(2): H716-H723. 2006. Journal Impact factor-3.53.

Kavdia M., "A computational model for free radical transport in the microcirculation. Antioxidants and Redox Signaling." 8: 1103-1111. 2006. Journal Impact factor-3.78.

Potdar S. S., and Kavdia M., "Nicotine Induced Alterations in Endothelial Cell Release of Nitric Oxide and Free Radicals Under Shear Stress." *Journal of Applied Physiology*.

Kim, J. W. and T.L. Peebles. "Screening extremophiles for bioconversion potentials." *Biotechnol. Prog.* 22:1720-1724.

Kim, J. W., N. Kotagiri, PhD, E.V. Shashkov, E.I. Galanzha, and V.P. Zharov. Photothermal antimicrobial nanotherapy with self-assembling carbon nanotube clusters. *Lasers in Surgery and Medicine* .

Kim, J. W., N. Kotagiri, PhD, J.H. Kim. PhD, and R. Deaton. 2006. "In situ fluorescence microscopy visualization and characterization of nanometer scale carbon nanotubes labeled with 1-pyrenebutanoic acid, succinimidyl ester." *Appl. Phys. Lett.* 88:213110 (Selected for the June 5, 2006 issue (Vol. 13, Issue 22) of the *Virtual Journal of Nanoscale Science and Technology*).

Tung, S., and J. W. Kim. 2006. "Microscale hybrid devices powered by biological flagellar motors." *IEEE Transactions on Automation Science and Engineering* 3:260-263.

Kim, J. W., and S. Tung. 2006. "Hybrid flagellar motor/MEMS based TNT detection system." *Proc. SPIE* 6223:62230A.

Al-Fandi, M., PhD, J. W. Kim, A. Malshe, S. Tung, J. Jenkins, and R. Pooran, PhD. 2006. "Chemo-sensitivity and reliability of flagellar rotary motor in a MEMS microfluidic actuation system." *Sensors and Actuators B: Chemical* 114:229-238.

Chen, J., R. Deaton, M. Garzon, J. W. Kim, D. H. Wood, H. Bi, D. Carpenter, MS, and Y.-Z. Wang. 2006. "Characterization of non-crosshybridizing DNA oligonucleotides manufactured in vitro." *Natural Computing* 5:165-181.

- Zharov, V.P., J. W. Kim, D.T. Curiel, and M. Everts. 2006. "Amplified laser-nanocluster interaction in DNA, viruses, bacteria, and cancer cells: potential for nanodiagnostics and nanotherapy." *Lasers in Surgery and Medicine* 38(S18):16.
- Kim, J. W. 2007. "Challenge to Bio-Actuators: Hybrid Flagellar Motor/MEMS Based Systems." International Symposium on Neo-Robotics, Nagoya Institute of Technology, Nagoya, Japan.
- Kim, J. W., N. Kotagiri, PhD, R. Deaton, and S. Tung. 2007. "DNA-Directed Self-Assembly of Microscopic 1-D Carbon Nanotube Wire." IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Bangkok, Thailand.
- Clendenin, J., PhD, S. Tung, and J. W. Kim. 2007. "An Aligned Carbon Nanotube Biosensor for DNA Detection." IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Bangkok, Thailand.
- Kim, J. W., J. S. Lee, PhD, and R. Deaton. 2007. "Non-Crosshybridizing Oligonucleotide Building Blocks for Accurate, Scalable, and High-Rate Nanofabrication." IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Bangkok, Thailand.
- Cheng, F., Y. Ying, and Y. Li. 2006. "Detection of defects in rice seeds using machine vision." *Transactions of the ASABE* 49(6): 1929-1934.
- Li, Y., and X. Su. 2006. "Microfluidics based optical biosensor for rapid detection of Escherichia coli O157:H7." *Journal of Rapid Methods and Automation in Microbiology* 14: 96-109.
- Liu, Z., B. Swem, Y. Cheng, and Y. Li. 2006. "Disinfection of recirculated bacon chilling brine using flow-through electrolyzing treatment chambers." *Applied Engineering in Agriculture* 22(5):737-745.
- Mao, X., L. Yang, X. Su, and Y. Li. 2006. "Nanoparticles amplification based quartz crystal microbalance DNA sensor for detection of E. coli O157:H7." *Biosensors & Bioelectronics* 21(7):1178-1185.
- Pradhan, A., Y. Li, J. Marcy, M. Johnson and M. Tamplin. 2006. "Pathogen kinetics and heat/mass transfer-based predictive models for Listeria in irregular-shape poultry products during thermal processing." *Journal of Food Protection* (final proof, November 8, 2006).
- Varshney, M., Y. Li, B. Srinivasan, S. Tung, G. Erf, M. Slavik, Y. Ying and W. Fang. 2006. "A microfluidics filter biochip-based chemiluminescence biosensing method for detection of Escherichia coli O157:H7." *Transactions of the ASABE* 49(6): 2061-2068.

Varshney, M., and Y. Li. 2006. "Interdigitated array microelectrode based impedance biosensor coupled with magnetic nanoparticle-antibody conjugates for detection of Escherichia coli O157:H7 in food samples." *Biosensors & Bioelectronics* (final proof and available on-line, September 10, 2006).

Yang, L., and Y. Li. 2006. "Detection of viable Salmonella using microelectrode-based capacitance measurement coupled with immunomagnetic separation." *Journal of Microbiological Methods* 64(1): 916.

Yang, L., and Y. Li. 2006. "Quantum dot bioconjugates for simultaneous detection of Escherichia coli O157:H7 and Salmonella Typhimurium." *The Analyst* 131(3): 394-401.

Sen, S., B.E. Haggard, I. Chaubey, K.R. Brye, T.A. Costello, and M.D. Matlock. 2006. "Preliminary investigation into sediment phosphorus release at Beaver Reservoir, Northwest Arkansas, 2002-3." *Water, Air, & Soil Pollution*, Pages 1 - 11, DOI 10.1007/s11270-006-9214-y.

Charbonnet, D. G.S. Osborn, P.K. Haan, M.D. Matlock. 2006. Application and Validation of the Spreadsheet Method for Determining SOD. *Transactions ASABE*, Vol. 49(6):2039-2050.

Ye, K. and Jin, S. (2006) "Potent and specific inhibition of retroviruse production by coexpression of multiple siRNAs directed against different regions of viral genomes." *Biotechnol. Prog.* 22, 45-52

### **Crop, Soil and Environmental Sciences**

Aboubacar, A., K.A.K. Moldenhauer, A.M McClung, D.H. Beighley, and B. Hamaker. 2006. Effect of Growth Location in the United States on Amylose Content Amylopectin Fine Structure, and Thermal Properties of Starches of Long Grain Rice Cultivars. *Cereal Chem.* 83:93-98.

Alhammedi, M.S. and D.M. Miller. 2006. Effect of Ionic Strength and Sodium Adsorption Ratio on the Flocculation/Dispersion of Two Surface Soils from Eastern Arkansas. *Soil Sci.* 171:960-967.

Bangarwa, S. and J.K. Norsworthy. 2006. Impact of Tillage Frequency and Tuber Size on Purple and Yellow Nutsedge Regeneration. *Arkansas Crop Prot. Assoc.* 10:13-14.

Bond, J.A. and L.R. Oliver 2006. Cooperative Growth of Palmer Amaranth (*Amaranth palmeri*) Accessions. *Weed Sci.* 54:121-126.

Bourland, F.M. and D.C. Jones. 2006. Registration of Arkot 9202 and Arkot 9208 Germplasm Lines of Cotton. *Crop Sci.* 46:1412.

Bourland, F.M. and D.C. Jones. 2006. Registration of Arkot 9406ne, Arkot 9605ne, and Arkot 9631ne, Three Nectariless Germplasm Lines of Cotton. *Crop Sci.* 46:1833-1834.

Bourland, F.M. and D.C. Jones. 2006. Registration of Arkot 9315 and Arkot 9409 Germplasm Lines of Cotton. *Crop Sci.* 46:2333-2334.

Bourland, F. and J.McD. Stewart. 2006. Registration of Three Arkot S23 Germplasm Lines of Cotton. *Crop Science* 46:1409.

Bourland, F.M., J.M. Stewart, and D.C. Jones. 2006. Registration of Three Arkot S23 Germplasm Lines of Cotton. *Crop Sci.* 45:1409.

Bourland, F.M. and D.C. Jones. 2006. Registration of Arkot 9203-03 and Arkot 9203-17 Germplasm Lines of Cotton. *Crop Sci.* 46:1408-1409.

Brecke, B.J. and D.O. Stephenson, IV. 2006. Weed Control in Cotton (*Gossypium hirsutum*) with Postemergence Applications of Trifloxysulfuron-Sodium. *Weed Technol.* 20:377-383.

Brecke, B.J. and D.O. Stephenson, IV. 2006. Weed Management in Single- vs. Twin-Row Peanut (*Arachis hypogaea*). *Weed Technol.* 20:368-376.

Brye, K.R., B.R. Golden, and N.A. Slaton. 2006. Poultry Litter Decomposition Dynamics as Affected by Litter Form and Rate Prior to Flooding for Rice Production. *Soil Sci. Soc. Amer. J.* 70:1155-1167.

Brye, K.R., and A.L. Pirani. 2006. Metal Uptake by Tall Fescue (*Festuca Arundinacea*) as Affected by Poultry Litter Application. *Grass For. Sci.* 61:192-199.

Brye, K.R. 2006. Soil Biochemical Properties as Affected by Land Leveling in a Clayey Aquert. *Soil Sci. Soc. Am. J.* 70:1129-1139.

Brye, K.R., D.E. Longer, and E.E. Gbur. 2006. Impact of Tillage and Residue Burning on CO<sub>2</sub> Flux in a Wheat-Soybean Production System. *Soil Sci. Soc. Am. J.* 70:1145-1154.

Brye, K.R. 2006. Soil Physiochemical Changes Following 12 Years of Annual Burning in a Humid-Subtropical Tallgrass Prairie: An Hypothesis. *Acta Oecol.* 30:407-413.

Brye, K.R., M.L. Cordell, D.E. Longer, and E.E. Gbur. 2006. Residue Management Practices in a Young Wheat-Soybean Double-Crop System. II. Effects on Soil Surface Properties. *J. Sustain. Agric.* 29:121-150.

Brye, K.R., N.A. Slaton, and R.J. Norman. 2006. Soil Physical and Biological Properties as Affected by Land Leveling in a Clayey Aquert. *Soil Sci. Soc. Am. J.* 70:631-642.

- Brye, K.R., D.E. Longer, M.L. Cordell, E.E. Gbur, and A.L. Pirani. 2006. Wheat Response to Nitrogen under Low Phosphorous and Potassium Fertility in a Wheat-Soybean Production System. *Comm. Soil Sci. Plant Anal.* 38:389-402.
- Brye, K.R., and L. Moreno. 2006. Vegetation Removal Effects on Soil Quality in a Native Tallgrass Prairie Fragment in East-Central Arkansas. *Nat. Areas J.* 26:94-100.
- Brye, K.R. 2006. Crop Response to Poultry Litter and Deep Tillage Following Land Leveling in a Clay Soil. *Crop Manage.* doi:10.1094/CM-2006-1215-01-RS.
- Burgos, N.R., R.J. Norman, D.R. Gealy, and H.R. Black. 2006. Competitive N Uptake Between Rice and Weedy Rice. *Field Crops Res.* 99:96-105.
- Chawla R, M. Ariza-Nieto, A.J. Wilson, S.K. Moore and V. Srivastava. 2006. Transgene Expression Produced by Biolistic-Mediated Site-Specific Gene Integration is Consistently Inherited by the Subsequent Generations. *Plant Biotech J.* 4:209-218.
- Chen, Y., P. Chen, and B. G. de los Reyes. 2006. Differential Responses of the Cultivated and Wild Species of Soybean to Dehydration Stress. *Crop Sci.* 46:2041-2046.
- Chen, P., C.H. Sneller, J.C. Rupe, R.D. Riggs, and R.T. Robbins. 2006. Registration of 'UA4805' Soybean. *Crop Sci.* 46:974.
- Cicek, M.S., P. Chen, M.A. Saghai Maroof, and G.R. Buss. 2006. Interrelationships among Agronomic and Seed Quality Traits in an Interspecific Soybean Recombinant Inbred Population. *Crop Sci.* 46:1253-1259.
- Cobb, Jean M., John D. Mattice, Scott A. Senseman, Jose A. Dumas, Wondi Mersie, Melissa B. Riley, Thomas L. Potter, Thomas C. Mueller. 2006. Stability of Pesticides on Solid-Phase Extraction Disks after Incubation at Various Temperatures and Time Intervals. *J. AOAC Int.* 89:903-912.
- Coblentz, W.K., K.P. Coffey, T.F. Smith, D.S. Hubbell, III, D.A. Scarbrough, J.B. Humphry, B.C. McGinley, J.E. Turner, J.A. Jennings, C.P. West, M.P. Popp, D.H. Hellwig, D.L. Kreider, and C.F. Rosenkrans, Jr. 2006. Using Orchardgrass and Endophyte-Free Fescue Versus Endophyte-Infected Fescue Overseeded on Bermudagrass for Cow Herds: Four-Year Summary of Forage Characteristics. *Crop Sci.* 1919-1928.
- Coblentz, W.K., K.P. Coffey, T.F. Smith, D.S. Hubbell, III, D.A. Scarbrough, J.B. Humphry, B.C. McGinley, J.E. Turner, J.A. Jennings, C.P. West, M.P. Popp, D.H. Hellwig, D.L. Kreider, and C.F. Rosenkrans, Jr. 2006. Using Orchardgrass and Endophyte-Free Fescue Versus Endophyte-Infected Fescue Overseeded on Bermudagrass for Cow Herds: Four-Year Summary of Cow-Calf Performance. *Crop Sci.* 1929-1938.

Cooper, N.T.W., T.J. Siebenmorgen, P.A. Counce and J-F.C. Meullenet. 2006. Explaining Rice Milling Quality Variations Using a Historical Data Analysis. *Cereal Chemistry* 83:447-450.

Cordell, M.L., K.R. Brye, D.E. Longer, and E.E. Gbur. 2006. Residue Management Practices in a Young Wheat-Soybean Double-Crop System. I. Effects on Soybean Establishment and Growth. *J. Sustain. Agric.* 29:97-120.

Cornelious, B., P. Chen, A. Hou, A. Shi, and J.G. Shannon. 2006. Yield Potential and Waterlogging Tolerance of Selected near Isogenic Lines and Recombinant Inbred Lines from Two Southern Soybean Populations. *J. Crop Improvement* 16:97-111.

Counce, P.A. and N.R. Burgos. 2006. Agronomic Practices in Addition to Herbicides for Improving Weed Control in Dry-Seeded Flooded Rice. *J. of Sustainable Agric.* 28(3): 145-156.

Counce, P.A. and K.A. Gravois. 2006. Sucrose Synthase Activity in Guichao2 and Qiguizao Rice as a Potential Indicator of High Yield. *Crop Science* 46:1501-1507.

Counce, P.A. and N.R. Burgos. 2006. Cultural Methods in Addition to Herbicides for Improving Weed Control in Rice. *Journal of Sustainable Agriculture* 28:145-156.

Giannoccaro, E., Y.J. Wang, and P. Chen. 2006. Effects of Solvent, Temperature, Time, Solvent-to-sample Ratio, Sample Size, and Defatting on the Extraction of Soluble Sugars in Soybean. *J. Food Chemistry and Toxicology* Vol. 71, Nr. 1, C59-C64.

Gibbons, J.W. K.A.K. Moldenhauer, K. Gravois, F.N. Lee, J.L. Bernhardt, J.-F. Meullenet, R. Bryant, R. J. Norman, R. Cartwright, M. Anders, K. Taylor, J. Bulloch, and M.M. Blocker. 2006. Registration of 'Medark' Rice. *Crop Sci* 46:2316-2317.

Gibbons, J.W. K.A.K. Moldenhauer, K.Gravois, F.N. Lee, J.L. Bernhardt, J.-F. Meullenet, R. Bryant, M. Anders, R.J. Norman, R. Cartwright, K. Taylor, J. Bulloch, and M.M. Blocker. 2006. Registration of 'Cybonnet' rice. *Crop Sci.* 46:2317-2318.

Golden, B.R, N.A. Slaton, R.J. Norman, E.E. Gbur, K.R. Brye, and R.E. DeLong. 2006. Recovery of Nitrogen in Fresh and Pelletized Poultry Litter by Rice. *Soil Sci. Soc. Am. J.* 70:1359-1369.

Griffith, G., J.K. Norsworthy, L.R. Oliver, R.C. Scott, and K.L. Smith. 2006. Glyphosate Resistance in a Palmer Amaranth Population in Arkansas. *ACPA* 10:14-15.

Griggs, B.R., R.J. Norman, C.E. Wilson, and N.A. Slaton. 2006. Ammonia Volatilization and Nitrogen Uptake by Conservation and Conventional Tilled Delayed Flood Rice. *Soil Sci. Soc. Amer. J.* 71:745-751.

- Jackson, E.W., C. Feng, P. Fenn, and P. Chen. 2006. Inheritance of Resistance to Purple Seed Stain Caused by *Cercospora kikuchii* in PI 80837 Soybean. *Crop Sci.* 46:1462-1466.
- King, C.A. and L.C. Purcell. 2006. Genotypic Variation for Shoot N Concentration and Response to Water Deficits in Soybean. *Crop Sci.* 46:2396-2402.
- Kirkpatrick, W.D., P.M. White, Jr., D.C. Wolf, G.J. Thoma, and C.M. Reynolds. 2006. Selecting Plants and Nitrogen Rates to Vegetate Crude-Oil-Contaminated Soil. *Int. J. Phytorem.* 8:285-297.
- McConnell, J.S., J.D. Mattice, and B.W. Skulman, C.K. Bryant, and M. Mozaffari. 2006. Sediment Loading and Water Quality of Field Runoff Water. *J. of the Ark. Acad. of Sci. (CD ROM)*.
- Morsy, M.R., L. Jouve, J.F. Hausman, L. Hoffmann and J.McD. Stewart. 2006. Oxidative and Carbohydrate Metabolism as Abiotic Stress Tolerance Traits in Two Rice (*Oryza sativa* L.) Genotypes Differing in Chilling Tolerance. *J. Plant Phys.* Doi:10.1016/j.jplph.2005.12.004.
- Norsworthy, J. K. and E. Shipe. 2006. Evaluation of Soybean Genotypes for Competitiveness in Wide and Narrow Rows. *Crop Prot.* 25:362-368.
- Norsworthy, J. K. and M. S. Malik, P. Jha, and M. J. Oliveira. 2006. Effects of Isothiocyanates on Purple (*Cyperus rotundus* L.) and Yellow Nutsedge (*Cyperus esculentus* L.). *Weed Biol. Manag.* 6:131-138.
- Oliveira, M.J. and J.K. Norsworthy. 2006. Sicklepod (*Senna obtusifolia lacunosa*) Germination and Emergence as Affected by Environmental Factors and Seeding Depth. *Weed Sci.* 54:903-909.
- Oliveira, M.J. and J.K. Norsworthy. 2006. Pitted Morningglory (*Ipomoea lacunosa*) Germination and Emergence as Affected by Environmental Factors and Seeding Depth. *Weed Sci.* 54:910-916.
- Olk, D.C., K.G. Cassman, K. Schmidt-Rohr, M.M. Anders, J.-D. Mao, and J.L. Deenik. 2006. Chemical Stabilization of Soil Organic Nitrogen by Phenolic Lignin Residues in Anaerobic Agroecosystems. *Soil Biology & Biochemistry.* 38 3303-3312.
- Pirani, A.L., K.R. Brye, T.C. Daniel, B.E. Haggard, E.E. Gbur, and J.D. Mattice. 2006. Soluble Metal Leaching from a Poultry-Litter-Amended Udult under Pasture Vegetation. *Vadose Zone J.* 5:1017-1034.

Popp, M., J.T. Edwards, P. Manning, L.C. Purcell. 2006. Plant Population Density and Maturity Effects on Profitability of Short-Season Maize Production in the Midsouthern USA. *Agron J.* 98:760-765.

Purcell, L.C, J.T. Edwards, and K.R. Brye. 2006. Soybean Yield and Biomass Response to Cumulative Transpiration: Questioning Widely Held Beliefs. *Field Crops Res.* 101:10-18.

Ross, J.R., N.A. Slaton, K.R. Brye, and R.E. DeLong. 2006. Boron Fertilization Influences on Soybean Yield and Leaf and Seed Boron Concentrations. *Agron. J.* 98(1):198-205.

Savin, Mary C., David Longer and David Miller. 2006. Matrices to Revise Crop, Soil and Environmental Sciences Undergraduate Curricula. *J. Nat. Res. and Life Sci. Educ.* 34:77-82.

Savin, M.C., C.P. West, and L.C. Purcell. 2006. Establishing a Faculty Mentoring Program in an Applied Science Department. *NACTA Journal.* 50:19-24.

Sharpley, A.N., T.C. Daniel, G. Gibson, L. Bundy, M. Cabrera, T. Sims, R. Stevens, J. Lemunyon, P.J.A. Kleinman, and R. Parry. 2006. Best Management Practices to Minimize Agricultural Phosphorus Impacts on Water Quality. USDA-ARS Publication 163. U.S. Government Printing Office, Washington, DC.

Shin, J.S., H.I. Jung, J.A. Guh, T.E. Hwang, K.S. Min, Y.I. Kuk, S. Jung, and N.R. Burgos. 2006. Mechanism of Paraquat Tolerance in Cucumber Leaves of Various Ages. *Weed Sci.* 54:6-15.

Shivrain, V. K., N. R. Burgos, K. A. K. Moldenhauer, R. W. McNew, and T. L. Baldwin. 2006. Characterization of Spontaneous Crosses Between Clearfield Rice (*Oryza sativa*) and Red Rice (*O. sativa*). *Weed Technol.* 20:576-584.

Shivrain, V.K., N.R. Burgos, K.A.K. Moldenhauer, R.W. McNew, and T.L. Baldwin. 2006. Characterization of Spontaneous Crosses Between Clearfield Rice (*Oryza sativa*) and Red Rice (*Oryza sativa*). *Weed Tech.* 20: 576-584.

Slaton, N.A., C.E. Wilson, Jr., R.J. Norman, and R.E. DeLong. 2006. Correlation of Soil pH and Mehlich-3 Phosphorus with Post-Flood Rice Phosphorus Concentrations in Arkansas. *Commun. Soil Sci. Plant Anal.* 37:2819-28.37.

Srivastava V., and S.J. Nicholson. 2006. Cre/Lox Technologies for Plant Transformation. *CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources* 2006 1, No. 034.

Popp, M., J.T. Edwards, L.C. Purcell, and P. Manning. 2006. Profit-Maximizing Seeding Rates and Reseeding Thresholds for Soybean: Maturity Group Interactions in the Mid-South. *Agric. Sys.* 91:211-228.

Stephenson, IV, D.O., B.J. Brecke, and J.B. Unruh. 2006. Control of Torpedograss (*Panicum repens*) with Trifloxysulfuron-Sodium in Bermudagrass (*Cynodon dactylon* x *C. transvaalensis*) Turf. *Weed Technol.* 20:351-355.

Stephenson, D.O. IV, L.R. Oliver, N.R. Burgos, and E.E. Gbur, Jr. 2006. Identification and Characterization of Pitted Morningglory (*Ipomoea lacunosa*) Ecotypes. *Weed Sci.* 54:78-86.

Teppen, B.J. and D.M. Miller. 2006. Hydration Energy Determines Isovalent Cation Exchange Selectivity by Clay Minerals. *Soil Sci. Soc. Am. J.* 70:31-40.

Ulloa, M., J.McD. Stewart, E.A. Garcia-C., S. Godoy-A., A. Gaytan-M., and S. Acosta-N. 2006. Cotton Genetic Resources in the Western States of Mexico: in situ Conservation Status and Germplasm Collection for ex situ Preservation. *Genetic Resources and Crop Evolution* 53:653-668.

Unruh, J.B., D.O. Stephenson, IV, B.J. Brecke and L.E. 2006. Trenholm. Tolerance of 'Salam' Seashore Paspalum (*Paspalum viginatum*) to Postemergence Herbicides. *Weed Technol.* 20:612-616.

Vaught, R., K.R. Brye and D.M. Miller. 2006. Relationships among Coefficient of Linear Extensibility and Clay Fractions in Expansive, Stony Soils. *Soil Sci. Soc. Amer. J.* 70:1983-1990.

Watkins, K.B., J.L. Hill, M.M. Anders, and T.E. Windham. 2006. Whole-Farm Evaluation of No-Till Profitability in Rice Production using Mixed Integer Programming. *J. of Ag. and App. Econ.*, 38:3:611-627.

White, Jr., P.M., D.C. Wolf, G.J. Thoma, and C.M. Reynolds. 2006. Phytoremediation of Alkylated Polycyclic Aromatic Hydrocarbons in a Crude Oil-Contaminated Soil. *Water Air Soil Pollut.* 169:207-220.

Wolf, D.C. 2006. Milestones in Soil Microbiology. *Soil Sci.* 171(Supp. 1):S97-S99.

Zheng, C., P. Chen, and R. Gergerich, 2006. Genetic Characterization of a New Source of Resistance to Soybean mosaic virus in Soybean. *J. Heredity.* 97(5):429-437.

## Entomology

Ali, M.I., R.G. Luttrell, and S.Y. Young, III. 2006. Susceptibilities of *Helicoverpa zea* and *Heliothis virescens* (Lepidoptera: Noctuidae) populations to Cry1Ac insecticidal protein. *Journal of Economic Entomology* 99:164-175.

Austin, J.W., A.L. Szalanski, R. Ghayourfar, A. Kence and R.E. Gold. 2006. Phylogeny and genetic variation of *Reticulitermes* (Isoptera: Rhinotermitidae) from the eastern Mediterranean and Middle East. *Sociobiology* 47:873-390.

Austin, J.W., A.L. Szalanski, M.T. Messenger, J.A. McKern and R.E. Gold. 2006. Genetic variation and phylogenetics of *Reticulitermes* (Isoptera: Rhinotermitidae) from the American great plains. *Sociobiology* 48:427-445.

Austin, J.W., A.L. Szalanski, R.H. Scheffrahn, M.T. Messenger, J.A. McKern and R.E. Gold. 2006. Genetic evidence for two introductions of the Formosan subterranean termite, *Coptotermes formosanus* (Isoptera: Rhinotermitidae), in the United States. *Florida Entomologist* 89:183-193.

Bae, C.H., A.L. Szalanski and R.T. Robbins. 2006. Intraspecific ITS1 polymorphism in the Colombia lance nematode *Hoplolaimus columbus*. *Journal of Nematology* 38:259-260.

Bartelt, R.J., A.A. Cosse, B.W. Zilkowski, D. Weisleder, S.H. Grode, R.N. Wiedenmann and S.L. Post. 2006. Dimethylfuran-lactone pheromone from males of *Galerucella californiensis* and *Galerucella pusilla*. *Journal of Chemical Ecology* 32:693-712.

Conway, H.E., D.C. Steinkraus, J.R. Ruberson and T.J. Kring. 2006. Experimental treatment threshold for the cotton aphid (Homoptera: Aphididae) using natural enemies in Arkansas cotton. *Journal of Entomological Science* 41:361-373.

Duan, J.J., M.S. Paradise, J.G. Lundgren, J. Bookout, C. Jiang and R.N. Wiedenmann. 2006. Assessing non-target impacts of Bt corn resistant to corn rootworms: tier-1 testing with larvae of *Poecilus chalcites* (Coleoptera: Carabidae). *Environmental Entomology* 35:135-142.

Duan, J.J., M.S. Paradise, J.G. Lundgren, and R.N. Wiedenmann. 2006. Transgenic crops and ground beetles as non-target organisms: developing dietary toxicity assays for larvae of *Poecilus chalcites* (Coleoptera: Carabidae). *American Entomologist* 51:227-230.

Goggin, F.L., L. Jia, G. Shah, V.M. Williamson and D.E. Ullman. 2006. The tomato Mi-1.2 herbivore resistance gene functions to confer nematode resistance but not aphid resistance in eggplant. *Molecular Plant-Microbe Interactions* 19:383-388.

- Gomez, S.K., D.M. Oosterhuis, D.L. Hendrix, D.R. Johnson and D.C. Steinkraus. 2006. Diurnal pattern of aphid feeding and its effect on cotton leaf physiology. *Environmental and Experimental Botany* 55:77-86.
- Kelley, M.B., S.W. Wingard, A.L. Szalanski and F.M. Stephen. 2006. Molecular diagnostics of *Enaphalodes rufulus* (Coleoptera: Cerambycidae). *Florida Entomologist* 89:251-256.
- Kuhlmann, U., P.G. Mason, H.L. Hinz, B. Blossey, R.A. De Clerck-Floate, L.M. Dosdall, J.P. McCaffrey, M. Schwarzlaender, O. Olfert, J. Brodeur, A. Gassmann, A.S. McClay and R.N. Wiedenmann. 2006. Avoiding conflicts between insect and weed biological control: selection of non-target species to assess host specificity of cabbage seedpod weevil parasitoids. *Journal of Applied Entomology* 130:129-141.
- Lewter, J.A., A.L. Szalanski, R.N. Nagoshi, R.L. Meagher, Jr., C.B. Owens and R.G. Luttrell. 2006. Genetic variation within and between strains of the fall armyworm, *Spodoptera frugiperda* (Lepidoptera: Noctuidae). *Florida Entomologist* 89:62-67.
- McKern, J.A. A.L. Szalanski and J.W. Austin. 2006. First record of *Reticulitermes flavipes* and *Reticulitermes hageni* in Oregon (Isoptera: Rhinotermitidae). *Florida Entomologist* 89:541-542.
- McLeod, P.J. 2006. Use of neonicotinoid insecticides to manage cucumber beetles on seedling zucchini. *Plant Health Progress* – 2006-1020-01-RS.
- Raghu, S., R.C. Anderson, C. Daehler, A.S. Davis, R.N. Wiedenmann, D. Simberloff and R.N. Mack. 2006. Adding biofuels to the invasive species fire? *Science* 313:1742.
- Rashid, T., D.T. Johnson and J.L. Bernhardt. 2006. Sampling rice stink bugs (Hemiptera: Pentatomidae) in and around rice fields. *Environmental Entomology* 35:102-111.
- Rector, B.G., V. Harizanova, R. Sforza, T. Widmer and R.N. Wiedenmann. 2006. Prospects for successful biological control of teasels, *Dipsacus* spp., a new target in the United States. *Biological Control* 36:1-14.
- Roy, H.E., D.C. Steinkraus, J. Eilenberg, A.E. Hajek and J.K. Pell. 2006. Bizarre interactions and endgames: Entomopathogenic fungi and their arthropod hosts. *Annual Review of Entomology* 51:331-357.
- Szalanski, A.L., J.W. Austin, J. McKern and M.T. Messenger. 2006. Genetic evidence for a new subterranean termite species (Isoptera: Rhinotermitidae) from western United States and Canada. *Florida Entomologist*. 89:299-304.

Szalanski, A.L., C.B. Owens, J.A. Lewter and A.B. Broce. 2006. Genetic structure of *Aedes vexans* (Diptera: Culicidae) populations from central United States based on mitochondrial ND5 sequences. *Annals of the Entomological Society of America*, 99:157-163.

Taylor, D.B., R. Moon, G. Gibson and A. Szalanski. 2006 Genetic and morphological comparisons of New and Old World populations of *Spalangia* species (Hymenoptera: Pteromalidae). *Annals of the Entomological Society of America*, 99:799-808.

Thompson, G.T. and F.L. Goggin. Transcriptomics and functional genomics of plant defense induction by phloem-feeding insects. *Journal of Experimental Botany*, 57:755-766.

Tripodi, A.D., J.W. Austin, A.L. Szalanski, J. McKern, M.K. Carroll, R.K. Saran and M.T. Messenger. 2006. Phylogeography of *Reticulitermes* termites (Isoptera: Rhinotermitidae) in California inferred from mitochondrial DNA sequences. *Annals of the Entomological Society of America*, 99:697-705.

Untalan, P.M., J.H. Pruett, H.N. Attebery and C.D. Steelman. 2006. Thrombostasin insoform frequency in Central Texas field population of the horn fly, *Haematobia irritans*. *Veterinary Parasitology*. 142:359-366.

Ware, V.L. and F.M. Stephen. 2006 Facultative intraguild predation of red oak borer larvae (Coleoptera: Cerambycidae). *Environmental Entomology*. 35:443-447.

Wiedenmann, R.N. 2006. Non-target feeding by *Galerucella californiensis* on sandbar willow (*Salix interior*) in Illinois. *Great Lakes Entomologist* 38:100-103.

Wiedenmann, R.N. and J.W. Smith, Jr. 2006. Use of ablated stalks to assess field rates of parasitism of *Diatraea saccharalis* (Lepidoptera: Crambidae) by *Cotesia flavipes* (Hymenoptera: Braconidae). *Biocontrol Science and Technology* 16:37-48.

## **Food Science**

Ballentine, C.W., P.G. Crandall, C.A. O'Bryan, D.Q. Duong, F.W. Pohlman. 2006. The pre- and post-grinding application of rosemary and its effects on lipid oxidation and color during storage of ground beef. *Meat Science*. 73(3) :413-421.

Baublitz, R.T., J-F. Meullenet, J.T. Sawyer, J.M. Mehafey and A. Saha. 2006. Pump rate and cooked temperature effects on pork loin instrumental, sensory descriptive and consumer- rated characteristics. *Meat Science*. 72:741-750.

Cameron, D.K. and Y.-J. Wang. 2006. Application of protease and high-intensity ultrasound in corn starch isolation from degermed corn flour. *Cereal Chem*. 83:505-509.

Chalova, V., C.L. Woodward, and S.C. Ricke. 2006. Assessment of an Escherichia coli lysine auxotroph containing green fluorescent protein for quantifying bioavailable lysine in animal protein samples under nonsterile and autofluorescence background. *Lett. Appl. Microbiol.* 42:265-270.

Cooper, N.T.W., T.J. Siebenmorgen, P.A. Counce, and J-F. Meullenet. 2006. Explaining rice milling quality variation using historical weather data analysis. *Cereal Chem.* 83:447-450.

Dimitrijevic, M., R.C. Anderson, T.R. Callaway, Y.S. Jung, R.B. Harvey, S.C. Ricke, and D.J. Nisbet. 2006. Inhibitory effect of select nitrocompounds on growth and survivability of *Listeria monocytogenes* in vitro. *J. Food Prot.* 69:1061-1065.

Dittmar, R.S., M.M. Kundinger, C.L. Woodward, L.M. Donalson, J.L. Golbach, W.K. Kim, V. Chalova, and S.C. Ricke. 2006. Quality control laboratory design project for poultry science undergraduate students enrolled in an advanced food microbiology course. *J. Consumer Prot. Food Safety.* 1:77-82.

Eswaranandam, S, N.S. Hettiarachchy, and J.F. Meullenet. 2006. Effect of malic and lactic acid incorporated soy protein coatings on the sensory attributes of whole apple and fresh-cut cantaloupe. *J Food Sci.* 71(3):S307-313.

Fanatico, A.A., P.B. Pillai, L.C. Cavitt, J.L. Emmert, J.F. Meullenet, and C.M. Owens, 2006. Evaluation of slower-growing broiler genotypes grown with or without outdoor access: Sensory attributes. *Poultry Sci.* 85(2):337-43.

Gibbons, J.W., E. Giannoccaro, Y.-J. Wang, and P. Chen. 2006. Effects of solvent, temperature, time, solvent-to-sample ratio, sample size, and defatting on the extraction of soluble sugars in soybean. *J. Food Sci.* 71:C059-64.

Gibbons, J.W., K.A.K. Moldenhauer, K. Gravois, F.N. Lee, J.L. Bernhardt, J.-F. Meullenet, R. Bryant, R.J. Norman, R. Cartwright, M. Anders, K. Taylor, J. Bulloch, and M.M. Blocker. 2006. Registration of 'Medark' rice. *Crop Sci.* 46:2316-2317.

Gibbons, J.W., K.A.K. Moldenhauer, K. Gravois, F.N. Lee, J.L. Bernhardt, J.-F. Meullenet, R. Bryant, M. Anders, R.J. Norman, R. Cartwright, K. Taylor, J. Bulloch, and M.M. Blocker. 2006. Registration of 'Cybonnet' rice. *Crop Sci.* 46:2317-2318.

Hager, T.J. and L.R. Howard. 2006. Processing effects on carrot phytonutrients. *HortSci.* 41:74- 79.

Heo, Seok Andy, R. Nannapaneni, R. Story and M.G. Johnson. 2006. Characterization of new hybridoma clones producing monoclonal antibodies reactive against both live and heat- killed

*Listeria monocytogenes*. J. Food Sci. 2006-0215, R1; hard cover journal appears as vol.72(1) pp. M 1-8.

Howard, Z.R., L.M. Donalson, W.K. Kim, X. Li, I.B. Zabala Diaz, K.L. Landers, K.G. Maciorowski, and S.C. Ricke. 2006. Development of research paper writing skills of poultry science undergraduate students taking food microbiology. Poultry Sci. 85:352-358.

Howard, Z.R., R.W. Moore, I.B. Zabala Diaz, W.K. Kim, S.G. Birkhold, J.A. Byrd, L.F. Kubena, D.J. Nisbet, and S.C. Ricke. 2006. In vitro survival and growth of *Salmonella* Typhimurium inoculated on yolk membrane after long term refrigerated storage of shell eggs. J. Consumer Prot. Food Safety. 1:30-34.

Jain, V. and A. Proctor. 2006. Photocatalytic production and processing of conjugated linoleic rich soy oil. J. Agric. Food Chem. 54:5590-5596.

Kim, W.K., C.A. Froelich, Jr., P.H. Patterson, and S.C. Ricke. 2006. The potential to reduce poultry nitrogen emissions with dietary methionine or methionine analogues supplementation. World's Journal of Poultry Sci. 62:338-353.

Kim, W.K., L.M. Donalson, A.D. Mitchell, L.F. Kubena, D.J. Nisbet, and S.C. Ricke. 2006. Effects of alfalfa and fructooligosaccharide on molting parameters and bone qualities using dual energy X-ray absorptiometry and conventional bone assays. Poultry Sci. 85:15-20.

Kim, W.K., R.C. Anderson, D.J. Nisbet, and S.C. Ricke. 2006. Growth inhibition by nitrocompounds of selected uric-utilizing microorganisms isolated from poultry manure. J. Environ. Sci. Health. 41B:97-107.

Kuakpetoon, D., and Y.-J. Wang. 2006. Structural characteristics and physicochemical properties of oxidized corn starches varying in amylose content. Carbohydr. Res. 341:1896-915.

Kuo, M.-I., and Y.-J. Wang. 2006. Effects of urea concentration on thermal and rheological properties of rice starches. Cereal Chem. 83:478-481.

Maciorowski, K.G., P. Herrera, F.T. Jones, S.D. Pillai, and S.C. Ricke. 2006. Cultural and immunological detection methods for *Salmonella* spp. in animal feeds-A review. Vet. Res. Comm. 30:127-137.

Maciorowski, K.G., P. Herrera, M.M. Kunding, and S.C. Ricke. 2006. Animal production and contamination by foodborne *Salmonella*. J. Consumer Prot. Food Safety. 1:197-209.

McReynolds, J.L., R.W. Moore, L.F. Kubena, J.A. Byrd, R.C. Anderson, D.J. Nisbet, and S.C. Ricke. 2006. Effect of various combinations of alfalfa and standard layer diet on susceptibility of laying hens to *Salmonella* Enteritidis during forced molt. Poultry Sci. 85:1123-1128.

- Mehaffey, J.M., S.P. Pradham, J-F. Meullenet, J.L. Emmert, S.R. McKee and C.M. Owens. 2006. Meat quality evaluation of minimally aged broiler breast fillets from five commercial genetic strains. *Poultry Sci.* 85:902-908.
- Meullenet, J-F. and R.K. Gandhapuneni. 2006. Development of the BITE Master II and its application to the study of cheese hardness. *Physiology & Behavior.* 89:39-43.
- Murphy, R.Y. and J-F. Meullenet. 2006. Effect of steam pasteurization/vacuum packaging on physical properties, sensory attributes, chemical composition, and *Listeria monocytogenes* lethality of double-packed frankfurters. *Food Protection Trends.* 26(7):480-490.
- O'Bryan, C.A., P.G. Crandall, E.M. Martin, C.L. Griffis, & M.G. Johnson. 2006. Heat resistance of *Salmonella* spp., *Listeria monocytogenes*, *Escherichia coli* 0157:H7, and *Listeria innocua* M1, a potential surrogate for *Listeria monocytogenes* in meat and poultry: A review. *J. Food Sci.* 71(3):R.23-R30.
- Osman, Moeznimanwaty, Marlene E. Janes, R. Story, R. Nannapaneni, and M.G. Johnson. 2006. Differential killing activity of cetylpyridinium chloride (CPC), with or without Bacto Neutralizing buffer quench, against firmly adhered *Salmonella gaminaria* and *Shigella sonnei* on chopped lettuce stored at 4°C. *J. Food Protect.* 69(6):1286-1291.
- Patindol, J., Gonzalez, B., Wang, Y.-J., and McClung, A. 2007. Starch fine structure and physicochemical properties of specialty rice for canning. *Journal of Cereal Sci.* 45:209-218.
- Patindol, J., A. Flowers, M-I. Kuo, Y.-J. Wang, D. Gealy. 2006. Comparison of physicochemical properties and starch structure of red rice and cultivated rice. *J. Agric. Food Chem.* 54:2712-2718.
- Rababah, T., N.S. Hettiarachchy, R. Horax, M.J. Cho, B. Davis, and J. Dickson. 2006. Thiobarbituric acid reactive substances and volatile compounds in chicken breast meat infused with plant extracts and subjected to electron beam irradiation. *Poultry Sci.* 85:1107-1113.
- Saengkerdsub, S., W.-K. Kim, R.C. Anderson, C.L. Woodward, D.J. Nisbet, and S.C. Ricke. 2006. Effects of nitrocompounds and feedstuffs on in vitro methane production in chicken cecal contents and rumen fluid. *Anaerobe.* 12:85-92.
- Siebenmorgen, T.J., A.L. Matsler, and C.F. Earp. 2006. Milling characteristics of rice cultivars and hybrids. *Cereal Chem.* 83(2):169-172.
- Siebenmorgen, T.J., C. Jia, G. Qin, and D. Schluterman. 2006. Evaluation of selected rice laboratory shelling equipment. *Trans. of the ASABE.* 22(3):427-430.

Siebenmorgen, T.J., R.C. Bautista, and J-F Meullenet. 2006. Predicting rice physicochemical properties using thickness fraction properties. *Cereal Chem.* 83(3):275-283.

Theivendran, S., N.S. Hettiarachchy, and M.G. Johnson. 2006. Inhibition of *Listeria monocytogenes* by nisin combined with grape seed extract or green tea extract in soy protein film coated on turkey frankfurters. *J Food Sci.* 71(2):M39-44.

Threlfall, R.T., G.L. Main and J.R. Morris. 2006. Effect of freezing grape berries and heating must samples on extraction and analysis of components of red wine grape cultivars. *Australian J. Grape and Wine Research.* 12(2):161-169.

Wang, Y.-J., S.W. Chong, and W. Yang. 2006. Effect of pericarp removal on properties of wet-milled corn starch. *Cereal Chem.* 83:25-27.

Xiong, R. and J-F. Meullenet. 2006. A PLS dummy variable approach to assess the impact of jar attributes on liking. *Food Quality and Preference.* 117:188-198.

Xiong, R., L.C. Cavitt, J-F. Meullenet and C.M. Owens. 2006. Comparison of Allo-Kramer, Warner-Bratzler and razor blade shear for predicting sensory tenderness of broiler breast meat. *J. Texture Studies.* 37(2):179-199.

Zhang, B., N.S. Hettiarachchy, P. Chen, R. Horax, B. Cornelious, and D. Zhu. 2006. Influence of the application of three different elicitors on soybean plants on the concentrations of several isoflavones in soybean seeds. *J. Agric. Food Chem.* 54:5548-5554.

### **Horticulture**

Carter, P.M., J.R. Clark, C.A. Drake Particka, and D. Yazetti Crowne. 2006. Chilling response of Arkansas blackberry cultivars. *J. Amer. Pomol. Soc.* 60:187-197.

Clark, J.R. and J.N. Moore. 2006. Southern highbush blueberry breeding and at the University of Arkansas. *Acta Hort.* 715:61-64.

Clark, J.R. and C.E. Finn. (Eds.) Register of new fruit and nut cultivars - list 43. *HortScience*41:1101-1133.

Crassweller, R., R. McNew, E. Garcia, C. Rom, et al. 2005. Five year summary of NE-183 apple cultivar trial - growth and yield characteristics. *J. Am. Pom. Soc.* 59 (1):18-27.

Goss, R.M., J.H. McCalla, R.E. Gaussoin, and M.D. Richardson. 2006. Herbicide tolerance of buffalograss. Online. *Applied Turfgrass Science* doi:10.1094/ATS-2006-0621-01-RS.

Marini, R.P., C.R. Rom, et al. 2006. Performance of 'Gala' apple on four semi-dwarf rootstocks: A ten-year summary of the 1994 NC-140 Semi-dwarf rootstock trial. *J. Amer. Pom. Soc.* 60(2):58-68.

Marini, R.P., C.R. Rom, et al. 2006. Performance of 'Gala' apple on 18 dwarfing rootstocks: A ten-year summary of the 1994 NC-140 Semi-dwarf rootstock trial. *J. Amer. Pom. Soc.* 60(2):69-83.

Nikolai, T.A., D.E. Karcher, and J.C. Sorochan. 2006. Professional golfers conclude that spike design affects putting quality. *Online Applied Turfgrass Science.* doi:10.1094/ATS-2005-1127-01-BR.

Ogden, R. K., W. K. Coblenz, K. P. Coffey, J. E. Turner, D. A. Scarbrough, J. A. Jennings, and M. D. Richardson. 2006. In situ disappearance kinetics of nitrogen and neutral detergent insoluble nitrogen for common crabgrass sampled on seven dates in northern Arkansas. *Journal of Animal Science* 84:669-677.

Patton, A.J., Z.J. Reicher, A.J. Zuk, J.D. Fry, M.D. Richardson, and D.W. Williams. 2006. A guide to establishing seeded zoysiagrass in the transition zone. *Online. Applied Turfgrass Science* doi:10.1094/ATS-2006-1004-01-MG.

Shaver, B.R., M.D. Richardson, J.H. McCalla, D.E. Karcher, and P.J. Berger. 2006. Dormant seeding bermudagrass cultivars in a transition-zone environment. *Crop Science* 46:1787-1792.

Sorochan, J.C., D.E. Karcher, J.M. Parham, and M.D. Richardson. 2006. Segway and golf car wear on bermudagrass fairway turf. *Online. Applied Turfgrass Science* doi:10.1094/ATS-2006-0727-01-RS.

## **Human Environmental Sciences**

Bokker, L.P., R.C. Farley, and W.C. Bailey. 2006. "Depression and divorce adjustment relative to the parental status of recently divorced fathers." *Journal of Divorce and Remarriage.* 44:83-98.

Turner, M.J., W.C. Bailey, and K.I. Black. 2006. "The relationship between pain and six dimensions of quality of life among older adults." *The Gerontologist.* 46:49.

Crandall, M.A., and S.S. Martin. 2006. "Your developing child/0-2: signs of social and emotional development." *Parenting in Arkansas.* 15:1:17-18.

Webb, J.D., and N.G. Miller. 2006. "Some preparation required: the journey to successful studio collaboration." *Journal of Interior Design.* 31:2:15-23.

Turner, M.J., C.R. Young, and K.I. Black. 2006. "Daughters-in-law and mothers-in-law seeking their place in the family: a qualitative study of differing viewpoints. *Journal of Family Relations*. 55:588-600.

Black, K.I., and M.J. Turner. 2006. "The contributions of mother-daughter relationship quality to young adult daughters' self-esteem and life satisfaction." *The Gerontologist*. 46:61.

### **Plant Pathology**

Bacon, R.K., Kelly, J.T., Milus, E. A., and Parsons, C.E. 2006. Registration of 'AR 910' wheat. *Crop Sci*. 46:985-986.

Bacon, R.K., Kelly, J.T., Milus, E.A., and Parsons, C.E. 2006. Registration of 'AR 839' wheat. *Crop Sci*. 46:471-472.

Bacon, R.K., Kelly, J.T., Milus, E.A., and Parsons, C.E. 2006. Registration of soft wheat germplasm AR93005 resistant to leaf rust. *Crop Sci*. 46:1398-1399.

Bede, J.C. Musser, R.O. Felton, G.W., and Korth, K.L. (2006) Caterpillar herbivory and salivary enzymes decrease transcript levels of *Medicago truncatula* genes encoding early enzymes in terpenoid biosynthesis. *Plant Mol. Biol*. 60:519-531.

Belefant-Miller, Helen, Mare G. Kay, and F.N. Lee. 2006. Small-scale Induction of Postharvest Yellowing of Rice Endosperm. *Cereal Chem*. 82(6):721-726.

Chen, P., Sneller, C.H., Rupe, J.C., Riggs, R.D. and Robbins, R.T. 2006. Registration of 'UA 4805' Soybean. *Crop Sci*. 46:974.

Davis, R.M., Colyer, P., Rothrock, C.S., and Kochman, J. 2006. Fusarium wilt of cotton: Population diversity and implications for management. *Plant Dis*. 90:692-703.

Gibbons, J.W., K.A.K. Moldenhauer, K. Gravois, F.N. Lee, J.L. Bernhardt, M. Anders, R.J. Norman, R. Cartwright, K. Taylor, J.M. Bulloch, K. Taylor, and M.M. Blocker. 2006. Registration of 'Medark' Rice. 2006. *Crop Sci*. 46:2316-2317.

Gibbons, J.W., K.A.K. Moldenhauer, K. Gravois, F.N. Lee, J.L. Bernhardt, M. Anders, R.J. Norman, R. Cartwright, K. Taylor, J.M. Bulloch, K. Taylor, and M.M. Blocker. 2006. Registration of 'Cybonnet' Rice. 2006. *Crop Sci*. 46:2317-2318.

Guerber, C., and D.O. TeBeest. 2006. Infection of rice seeds grown in Arkansas by *Pyricularia grisea* and transmission to seedlings in the field. *Plant Disease* 90:170-176.

Huang, J., Taylor, J.P, Chen, J.G., Uhrig, J.F., Schnell, D.F., Nakagawa, T., Korth, K.L., and Jones, A.M. (2006) The Plastid Protein THYLAKOID FORMATION1 and the Plasma Membrane G-protein GPA1 Interact in a Novel Sugar Signaling Mechanism in Arabidopsis. *Plant Cell* 18:1226-1238.

Jackson, E.W., Patrick Fenn, and Pengyin Chen. 2006. Inheritance of Resistance to Purple Seed Stain Caused by *Cercospora kikuchii* in PI 80837 Soybean. *Crop Science* 46:142-1466.

Kirkpatrick, M.T., Rothrock, C.S., and Rupe, J.C. 2006. The effect of *Pythium ultimum* and soil flooding on soybeans in relation to flood tolerance. *Plant Dis.* 90:597-602.

Kirkpatrick, M.T., Rothrock, C.S., Rupe, J.C., and Gbur, E.E. 2006. The effect of *Pythium ultimum* and soil flooding on two soybean cultivars. *Plant Dis.* 90:597-602.

Kirkpatrick, M.T., Rupe, J.C., and Rothrock, C.S. 2006. Soybean response to flooded soil conditions and the association with soilborne plant pathogenic genera. *Plant Dis.* 90:592-596.

Korth, K.L., Doege, S.J., Park, S.-H., Goggin, F.L., Wang, Q., Gomez, S. K., Liu G., Jia L., and Nakata, P.A. (2006) *Medicago truncatula* mutants demonstrate the role of plant calcium oxalate crystals as an effective defense against chewing insects. *Plant Physiol.* 141: 188-195.

Milus, E.A., Seyran, E., and McNew, R. 2006. Aggressiveness of *Puccinia striiformis* f. sp. *Tritici* isolates in south-central United States. *Plant Dis.* 90:847-852.

Monfort, W.S., Kirkpatrick, T.L., and Rothrock, C.S. 2006. Effects of nocturnal soil temperatures and *Meloidogyne incognita* densities on cotton seedling growth and the interaction with *Thielaviopsis basicola*. *Plant Dis.* 90:519-522.

Monfort, W.S., T.L. Kirkpatrick, D.L. Long, and S. Rideout. 2006. Efficacy of a novel nematicidal seed treatment against *Meloidogyne incognita* on cotton. *Journal of Nematology* 38:24-249.

Sayler, R.J., Cartwright, R.D. and Yang, Y. 2006. Genetic Characterization and Real-Time PCR Detection of *Burkholderia glumae*, a Newly Emerging Bacterial Pathogen of Rice in the United States. *Plant Dis.* 90:603-610.

## **Poultry Science**

Huff, G., W. Huff, N. Rath, J. Balog, N.B. Anthony, and K. Nestor. 2006. Stress induced colibacillosis and turkey osteomyelitis complex in turkeys selected for increased body weight. *Poult. Sci.* 85:266-272.

Bowen, O.T., G.F. Erf, N.B. Anthony, R.F. Wideman. 2006. Pulmonary hypertension triggered by lipopolysaccharide in ascites-susceptible and – resistant broilers is not amplified by aminoguanidine, a specific inhibitor of inducible nitric oxide synthase. *Poult. Sci.* 85:528-536.

Bowen, O.T., R.F. Wideman, N.B. Anthony, G.F. Erf. 2006. Variation in the pulmonary hypertensive responsiveness of broilers to lipopolysaccharide and innate variation in nitric oxide production by mononuclear cells. *Poult. Sci.* 85:1349-1363.

Bottje, W., N. Pumford, C. Ojano-Dirain, M. Iqbal, and K. Lassiter. 2006. Feed efficiency and mitochondrial function. *Poult. Sci.* 85:8-14.

K. Lassiter, M. Iqbal, N. R. Pumford, C. Ojano-Dirain, N. Tinsley, T. Wing, M. Cooper, and W. Bottje. 2006. Differential expression of mitochondrial and extra-mitochondrial proteins in lymphocytes of low and high feed efficient male broilers. *Poult. Sci.* 85:2251-2259.

Chapman, H. D., Roberts, B. Shirley, M. W. & Williams, R. B. 2006. Guidelines for the development and registration of anticoccidial vaccines for poultry. In: *Proceedings of the Australian Poultry Science Symposium* 18: 248-251.

Matsler, P. L. and H. D. Chapman. 2006. Characterization of a strain of *E. meleagridis* from the turkey. *Avian Diseases.* 50: 599-604.

Manangi, M.K. and C.N. Coon. 2006. Evaluation of phytase enzyme with chicks fed basal diets containing different soybean meal samples. *J. Appl. Poult. Res.* 15:292-306.

Sun, J.M., M.P. Richards, R.W. Rosebrough, C.M. Ashwell, J.P. McMurtry, and C.N. Coon. 2006. The relationship of body composition, feed intake, and metabolic hormones for broiler breeder females. *Poult. Sci.* 85:1173-1184.

De Beer, M. and C.N. Coon. 2006. The effect of increased protein intake during the starter and prebreeder periods on reproductive performance of ultra high yield broiler breeder hens. *International J. Poult. Sci.* 5 (9):812-821.

Schenck, F.J., L.V. Podhorniak, J. Hobbs, J. Casanova and D. Donoghue. 2006. Liquid chromatographic determination of n-methyl carbamate pesticide residues at low parts-per-billion levels in eggs. *J. Assoc. Official Anal. Chem. Int'l.* 89:196-200.

Cole, K., A.M. Donoghue, I. Reyes-Herrera, N.R. Rath and D.J. Donoghue. 2006. Efficacy of iron chelators on *Campylobacter* concentrations in turkey semen. *Poult. Sci.* 85:1462-1465.

Cole, K., M.B. Farnell, A.M. Donoghue, N.J. Stern, E.A. Svetoch, B.N. Eruslanov, Y.N. Kovalev, V.V. Perelygin, V.P. Levchuck, I. Reyes-Herrera, P.J. Blore and D.J. Donoghue. 2006.

Bacteriocins reduce *Campylobacter* colonization and alter gut architecture in turkey poult. *Poult. Sci.* 85:1570-1575.

Farnell, M.B., A.M. Donoghue, F.S. de los Santos, I. Reyes-Herrera, K. Cole, M.L.S. Dirain, P.J. Blore, K. Pandya, and D.J. Donoghue. 2006. Effect of oral administration of bismuth compounds on *Campylobacter* colonization in broilers. *Poult. Sci.* 85:2009-2011.

Farnell, M.B., A.M. Donoghue, F.S. de los Santos, P.J. Blore, G. Tellez, B.M. Hargis and D.J. Donoghue. 2006. Up regulation of oxidative burst and degranulation in chicken heterophils stimulated with probiotic bacteria. *Poult. Sci.* 85:1900-1906.

Pillai, P. B., T. O'Connor-Dennie, C. M. Owens, and J. L. Emmert. 2006. Efficacy of an *Escherichia coli* phytase in broilers fed adequate or reduced phosphorus diets and its effect on carcass characteristics. *Poult. Sci.* 85:1737-1745.

Pillai, P. B., A. C. Fanatico, M. E. Blair, and J. L. Emmert. 2006. Homocysteine remethylation in broilers fed excess choline or betaine and varying levels and sources of methionine from eight to twenty-two days of age. *Poult. Sci.* 85:1729-1736.

Dilger, R. N., C. Martinez Amezcua, P. B. Pillai, J. L. Emmert, C. M. Parsons, and D. H. Baker. 2006. Effect of reciprocating dietary lysine fluctuations on chick growth and carcass yield. *Poult. Sci.* 85:1226-1231.

Mehaffey, J. M., S. P. Pradhan, J. F. Meullenet, J. L. Emmert, S. R. McKee, and C. M. Owens. 2006. Meat quality evaluation of minimally aged broiler breast fillets from five commercial genetic strains. *Poult. Sci.* 85:902-908.

Kuenzel, W. J., A. M. Rowland, P. B. Pillai, T. I. O'Connor-Dennie, J. L. Emmert, and R. F. Wideman. 2006. The use of vitamin A deficient diets and jugular vein ligation to increase intracranial pressure in chickens, *Gallus gallus*. *Poult. Sci.* 85:537-545.

Fanatico, A. C., P. B. Pillai, L. C. Cavitt, J. L. Emmert, J. F. Meullenet, and C. M. Owens. 2006. Evaluation of slower-growing broiler genotypes grown with and without outdoor access: sensory attributes. *Poult. Sci.* 85:337-343.

Pillai, P. B., A. C. Fanatico, K. W. Beers, M. E. Blair, and J. L. Emmert. 2006. Homocysteine remethylation in young broilers fed varying levels of methionine, choline, and betaine. *Poult. Sci.* 85:90-95.

Wick, G., L. Anderson, K. Hala, M. E. Gershwin, C. F. Selmi, G. F. Erf, S. J. Lamont, and R. Scong. 2006. Avian models with spontaneous autoimmune diseases. *Adv. Immunol.* 92:71-117.

Wideman R. F., M. E. Chapman, K. R. Hamal, O. T. Bowen, G. A. Lorenzoni, G. F. Erf, and N. B. Anthony. 2006. An inadequate pulmonary vascular capacity and susceptibility to pulmonary arterial hypertension in broilers. *Poult. Sci.*

Brown, D. C., C. V. Maxwell, G. F. Erf, M. E. Davis, S. Singh, and Z. B. Johnson. 2006. Ontogeny of T lymphocytes and morphological characteristics in neonatal pigs at different ages in the postnatal period. *Anim. Sci.* 84:567-578.

Wideman, R. F., O. T. Bowen, G. F. Erf, and M. E. Chapman. 2006. Influence of aminoguanidine, an inhibitor of inducible nitric oxide synthase, on the pulmonary hypertensive response to micro-particle injections in broilers. *Poult. Sci.* 85:511-27.

Bowen, O. T., G. F. Erf, N. B. Anthony, and R. F. Wideman. 2006. Pulmonary hypertension triggered by lipopolysaccharide in ascites-susceptible and -resistant broilers is not amplified by aminoguanidine, a specific inhibitor of inducible nitric oxide synthase. *Poult. Sci.* 85:528-536.

Brown, D. C., C. V. Maxwell, G. F. Erf, M. E. Davis, S. Singh, and Z. B. Johnson. 2006. The influence of different management systems and age on intestinal morphology, immune cell numbers and mucin production from goblet cells in post-weaning pigs. *Vet. Immunol. Immunopathol.* 111:187-98.

Bowen, O. T., R. F. Wideman, N. B. Anthony, and G. F. Erf. 2006. Variation in the pulmonary hypertensive responsiveness of broilers to lipopolysaccharide and innate variation in nitric oxide production by mononuclear cells. *Poult. Sci.* 85:1349-1363.

Hamal, K., S. Burgess, I. Pevzner, and G. F. Erf. 2006. Maternal antibody transfer from dams to their egg-yolk, egg-white and chicks in two meat lines of chickens. *Poult. Sci.* 85:1364-1372. (Alltech Manuscript Award).

Varshney, M., Y. Li, B. Srinivasan, S. Tung, G. Erf, M. Slavik, Y. Ying, and W. Fang. 2006. A microfluidics filter biochip based chemiluminescence biosensing method for detection of *Escherichia coli* O157:H7. *Transactions of the ASABE* 49(6): 2061-2068.

Goodwin, Jr., H.L., F. D. Clark, D. Thilmany, S. J. Hamm, "Policies to Protect Food Safety and Animal Health", *Choices*, 3rd quarter 2006, 21(3).

Kemper, Nathan P., Jennie S. Popp, H.L. Goodwin, Jr., Wayne P. Miller and Gerald A. Doeksen. "The (Economic) Power of Poultry in the Ozarks." *Journal of Applied Poultry Research*, 15(4): 502-510 2006.

Farnell MB ; Donoghue AM ; de Los Santos FS ; Blore PJ ; Hargis BM; Tellez G ; Donoghue DJ. Upregulation of oxidative burst and degranulation in chicken heterophils stimulated with probiotic bacteria. *Poult Sci* 2006 Nov; 85(11): 1900-6.

P.Y. Hester, C.Z. Alvarado, S.F. Bilgili, J.H. Denton, A.M. Donoghue, A. Giesen, B.M. Hargis, J.W. Kessler, F.N. Madison, G.W. Malone, P. Mavrolas, S.L. Noll, A.J. Pescatore, C.A. Ricks, F.E. Robinson, R.B. Shirley, M. Sifri, M.O. Smith, R.H. Stonerock, J. L. Wilson, M. J. Wineland, M.M. Beck, W.W. Saylor. 2006. The 2006-2010 Strategic Plan for the Poultry Science Association. Poult Sci. 85:1-7

Tellez, G., S.E. Higgins, A.M. Donoghue, and B.M. Hargis. 2006. Digestive Physiology and the Role of Microorganisms. *J. of Applied Poultry Research* 15:136-144.

Kuenzel, W.J., A.M. Rowland, P.B. Pillai, T.I. O'Connor-Dennie, J.L. Emmert and R.F. Wideman. 2006. The use of vitamin A-deficient diets and jugular vein ligation to increasintracranial pressure in chickens, *Gallus gallus*. *Poult. Sci.* 85:537-545.

Kuenzel, W.J. and C.D. Golden. 2006. Distribution and change in number of gonadotropin-releasing hormone-1 neurons following activation of the photoneuroendocrine system in the chick, *Gallus gallus*. *Cell Tissue Res.* 325:501-512.

Calhoun, L. N., and Y. M. Kwon. 2006. Minireview:Salmonella-based plague vaccines for bioterrorism. *Journal of Microbiology, Immunology and Infection.* 39, 92-97.

Cheng, F., Y. Ying and Y. Li. 2006. Detection of defects in rice seeds using machine. *Transactions of the ASABE* 49(6): 1929-1934.

Li, Y., and X. Su. 2006. Microfluidics based optical biosensor for rapid detection of *Escherichia coli* O157:H7. *Journal of Rapid Methods and Automation in Microbiology* 14: 96-109.

Liu, Z., B. Swem, Y. Cheng, and Y. Li. 2006. Disinfection of recirculated bacon chilling brine using flow-through electrolying treatment chambers. *Applied Engineering in Agriculture* 22(5):737-745.

Mao, X., L. Yang, X. Su, and Y. Li. 2006. Nanoparticles amplification based quartz crystal microbalance DNA sensor for detection of *E. coli* O157:H7. *Biosensors & Bioelectronics* 21(7):1178-1185.

Varshney, M., Y. Li, B. Srinivasan, S. Tung, G. Erf, M. Slavik, Y. Ying and W. Fang. 2006. A microfluidics filter biochip-based chemiluminescence biosensing method for detection of *Escherichia coli* O157:H7. *Transactions of the ASABE* 49(6): 2061-2068.

Yang, L., and Y. Li. 2006. Detection of viable *Salmonella* using microelectrode-based capacitance measurement coupled with immunomagnetic separation. *Journal of Microbiological Methods* 64(1): 9-16.

Yang, L., and Y. Li. 2006. Quantum dot bioconjugates for simultaneous detection of *Escherichia coli* O157:H7 and *Salmonella* Typhimurium. *The Analyst* 131(3): 394-401.

Osaili, T., C.L. Griffis, E.M. Martin, B.L. Beard, A. Keener, and J.A. Marcy. 2006. Thermal Inactivation Studies of *Escherichia coli* O157:H7, *Salmonella*, and *Listeria monocytogenes* in Ready-to-Eat Chicken-Fried Beef Patties. *J. Food Protection* 69:1080-1086.

Osaili, T. M., C. L. Griffis, E. M. Martin, E. E. Gbur, and J. A. Marcy. 2006. Modeling Cooking Time to Inactivate *Salmonella* in Chicken Leg Quarters Cooked in an Air–Steam Impingement Oven. *J. Food Sci.* 71 (5): M146-M149.

Fanatico, A.A., P.B. Pillai, L.C. Cavitt, J.L. Emmert, J.F. Meullenet, and C.M. Owens, 2006. Evaluation of slower-growing broiler genotypes grown with or without outdoor access: Sensory attributes. *Poult. Sci.* 85:337-343.

Mehaffey, J.M., S.P. Pradhan, J.F. Meullenet, J.L. Emmert, S.R. McKee and C.M. Owens, 2006. Meat quality evaluation of minimally aged broiler breast fillets from five commercial genetic strains. *Poult. Sci.* 85:902-908.

Xiong, R., Cavitt, L. C., Meullenet, J.-F., and Owens, C.M. 2006. Comparison of Allo-Kramer, Warner-Bratzler and Razor Blade shears for predicting sensory tenderness of broiler breast meat cooked in bags immersed in water. *J. Texture Studies* 37: 179-199.

Pillai, P.B., T. O'Connor-Dennie, C. M. Owens, and J. L. Emmert. 2006. Efficacy of *Escherichia coli* Phytase in broilers fed adequate or reduced phosphorus diets and its effect on carcass characteristics. *Poult. Sci.* 85:1737-1745.

Howard, Z.R., R.W. Moore, I.B. Zabala Diaz, W.K. Kim, S.G. Birkhold, J.A. Byrd, L.F. Kubena, D.J. Nisbet, and S.C. Ricke. 2006. In vitro survival and growth of *Salmonella* Typhimurium inoculated on yolk membrane after long term refrigerated storage of shell eggs. *J. Consumer Prot. Food Safety* 1: 30-34.

Chalova, V., C.L. Woodward, and S.C. Ricke. 2006. Assessment of an *Escherichia coli* lysine auxotroph containing green fluorescent protein for quantifying bioavailable lysine in animal protein samples under nonsterile and autofluorescence background. *Lett. Appl. Microbiol.* 42: 265-270.

Kim, W.K., R.C. Anderson, D.J. Nisbet, and S.C. Ricke. 2006. Growth inhibition by nitrocompounds of selected uric-utilizing microorganisms isolated from poultry manure. *J. Environ. Sci. Health* 41B: 97-107.

Dittmar, R.S., M.M. Kundinger, C.L. Woodward, L.M. Donalson, J.L. Golbach, W.K. Kim, V. Chalova, and S.C. Ricke. 2006. Quality control laboratory design project for poultry science

undergraduate students enrolled in an advanced food microbiology course. *J. Consumer Prot. Food Safety* 1: 77-82.

Kim, W.K., L.M. Donalson, A.D. Mitchell, L.F. Kubena, D.J. Nisbet, and S.C. Ricke. 2006. Effects of alfalfa and fructooligosaccharide on molting parameters and bone qualities using dual energy X-ray absorptiometry and conventional bone assays. *Poult. Sci.* 85:15-20.

Howard, Z.R., L.M. Donalson, W.K. Kim, X. Li, I.B. Zabala Diaz, K.L. Landers, K.G. Maciorowski, and S.C. Ricke. 2006. Development of research paper writing skills of poultry science undergraduate students taking food microbiology. *Poult. Sci.* 85:352-358.

Saengkerdsub, S., W.-K. Kim, R.C. Anderson, C.L. Woodward, D.J. Nisbet, and S.C. Ricke. 2006. Effects of nitrocompounds and feedstuffs on in vitro methane production in chicken fecal contents and rumen fluid. *Anaerobe* 12: 85-92.

Dimitrijevic, M., R.C. Anderson, T.R. Callaway, Y.S. Jung, R.B. Harvey, S.C. Ricke, and D.J. Nisbet. 2006. Inhibitory effect of select nitrocompounds on growth and survivability of *Listeria monocytogenes* in vitro. *J. Food Prot.* 69: 1061-1065.

McReynolds, J.L., R.W. Moore, L.F. Kubena, J.A. Byrd, R.C. Anderson, D.J. Nisbet, and S.C. Ricke. 2006. Effect of various combinations of alfalfa and standard layer diet on susceptibility of laying hens to *Salmonella Enteritidis* during forced molt. *Poult. Sci.* 85: 1123-1128.

Kim, W.K., C.A. Froelich, Jr., P.H. Patterson, and S.C. Ricke. 2006. The potential to reduce poultry nitrogen emissions with dietary methionine or methionine analogues supplementation. *World's Journal of Poult. Sci.* 62:338-353.

Maciorowski, K.G., P. Herrera, F.T. Jones, S.D. Pillai, and S.C. Ricke. 2006. Cultural and immunological detection methods for *Salmonella* spp. in animal feeds- A review. *Vet. Res. Comm.* 30: 127-137.

Maciorowski, K.G., P. Herrera, M.M. Kunderinger, and S.C. Ricke. 2006. Animal production and contamination by foodborne *Salmonella*. *J. Consumer Prot. Food Safety* 1: 197-209.

Varschney, M., Y. Li, B. Srinivasan, S. Tung, G. Erf, M. Slavik, Y. Ying, and W. Fang. 2006. A microfluidic filter biochip based chemiluminescence biosensing method for detection of *Escherichia coli* 0157:H7. *ASABE* 49(6):2061-2068.

Waldroup, P.W., C.A. Keen, F. Yan, and K. Zhang. 2006. The effects of levels of  $\alpha$ -galactosidase enzyme on performance of broilers fed diets based on corn and soybean meal. *J. Appl. Poult. Res.*: 15:48-57.

Waldroup, P.W., M.A. Motl, F. Yan, and C. A. Fritts. 2006. Effects of betaine and choline on response to methionine supplementation in broiler diets formulated to industry standards. *J. Appl. Poult. Res.* 15:58-71.

Fritts, C.A., and P.W. Waldroup, 2006. Modified phosphorus program for broilers based on commercial feeding intervals to sustain live performance and reduce total and water-soluble phosphorus in litter. *J. App. Poult. Res.* 15:207-218.

Cornelison, J.M., F. Yan, S.E. Watkins, L. Rigby, J.B. Segal, and P.W. Waldroup. 2006. Evaluation of hops (*Humulus lupulus*) as an antimicrobial in broiler diets. *Int. J. Poult. Sci.* 5:134-136.

Yan, F., J. H. Kersey, C. A. Fritts, and P. W. Waldroup. 2006. Effect of phytase supplementation on the calcium requirement of broiler chicks. *Int. J. Poult. Sci.* 5:112-120.

Yan, F., and P. W. Waldroup. 2006. Nonphytate phosphorus requirement and phosphorus excretion of broiler chicks fed diets composed of normal or high available phosphate corn as influenced by phytase supplementation and vitamin D source. *Int. J. Poult. Sci.* 5:219-228.

Yan, F., and P. W. Waldroup. 2006. Evaluation of MINTREX<sup>®</sup> Manganese as a Source of Manganese for Young Broilers. *Int. J. Poult. Sci.* 5:708-713.

Wideman, R. F., Bowen, O. T., Erf, G. F., and Chapman, M. E. 2006. Influence of aminoguanidine, an inhibitor of inducible nitric oxide synthase, on the pulmonary hypertensive response to micro-particle injections in broilers. *Poult. Sci.* 85:511-527.

Bowen, O. T., Erf, G. F., Anthony, N. B., and Wideman, R. F. 2006. Pulmonary hypertension triggered by lipopolysaccharide (LPS) in ascites-susceptible and -resistant broilers is not amplified by aminoguanidine, a specific inhibitor of inducible nitric oxide synthase (iNOS). *Poult. Sci.* 85:528-536.

Chapman, M. E., and Wideman, R. F. 2006. Evaluation of total plasma nitric oxide concentrations in broilers infused intravenously with sodium nitrite, lipopolysaccharide, aminoguanidine, and sodium nitroprusside. *Poultry Sci.* 85:312-320.

Chapman, M. E., and Wideman, R. F. 2006. Evaluation of the serotonin receptor blockers ketanserin and methiothepin on the pulmonary hypertensive responses of broilers to intravenously infused serotonin. *Poult. Sci.* 85:777-786.

Bowen, O. T., Wideman, R. F., Anthony, N. B., and Erf, G. F. 2006. Variation in the pulmonary hypertensive responsiveness of broilers to lipopolysaccharide (LPS) and innate variation in nitric oxide (NO) production by mononuclear cells. *Poult. Sci.* 85:1349-1363.

Chapman, M. E., and Wideman, R. F. 2006. Evaluation of the serotonin receptor blocker Methiothepin in broilers injected intravenously with lipopolysaccharide and microparticles. *Poult. Sci.* 85:2222-2230.

## **UNREFEREED PUBLICATIONS AND PROCEEDINGS**

### **Agricultural Economics and Agribusiness**

Ahrendsen, Bruce L., Bruce L. Dixon, Chris Bacchus, and Latisha A. Settlege. 2006. "Commercial Bank Usage of the Farm Service Agency Interest Assistance Program." In *Agricultural and Rural Finance Markets in Transition*. ed. Ani L. Katchova, University of Illinois at Urbana-Champaign, Department of Agricultural and Consumer Economics. Published: <http://www.ace.uiuc.edu/agfin/proceedings/AgFin2006.pdf> (December):4061.

Ahrendsen, Bruce L., Bruce L. Dixon, O. John Nwoha, Sandra J. Hamm and Diana Danforth. 2006. "Analysis of Farm Service Agency Direct Loan Loss Likelihoods and Loss Rates." In *AgEcon Search, Research in Agricultural and Applied Economics*, published at: <http://agecon.lib.umn.edu> (29 pages).

Anders, M. M., K. B. Watkins, K. A. K. Moldenhauer, J. W. Gibbons, and R. W. McNew. 2006. "The Effect of Rotation, Tillage, Fertility, and Variety on Rice Grain Yield and Soil Quality." In: R.J. Norman, J.-F. Meullenet, and K.A.K. Moldenhouer (eds.). *B.R. Wells Rice Research Studies 2005*. University of Arkansas Agricultural Experiment Station, Research Series 540, August:248-255.

Carreira, R. I. and H. L. Goodwin, Jr. 2006. "Estimating a Demand Function for Poultry Litter." In *AgEcon Search, Research in Agricultural and Applied Economics*, published at: <http://agecon.lib.umn.edu> (17 pages).

Carreira, Rita I., H. L. Goodwin, Jr., and Sandra J. Hamm. 2006. "How Much Is Poultry Litter Worth?" In *AgEcon Search, Research in Agricultural and Applied Economics*, published at: <http://agecon.lib.umn.edu> (20 pages).

Cartwright, R. D., K. B. Watkins, C. E. Parsons, E. A. Sutton, J. Allen, and C. E. Wilson, Jr. 2006. "Effect of Preventative Fungicide Application on Rice Yield, Milling Quality, and Return." In: R. J. Norman, J.-F. Meullenet, and K. A. K. Moldenhouer (eds.). *B. R. Wells Rice Research Studies 2005*. University of Arkansas Agricultural Experiment Station, Research Series 540, August:107-120.

Chaubey, Indrajeet, Andrea Ludwing, Brian Schaffer, Jennie Popp, and Ron Rainey. "L'Anguille River Watershed Decision Support System" 2006. *Farm Management and Marketing Newsletter*. Arkansas Cooperative Extension Service, University of Arkansas. 14,2(June):4-5.

Counce, P. A., L. C. Purcell, K. B. Watkins, and T. J. Siebenmorgen. 2006. "Water Savings for Rice Producers Using a Model to Predict Safe Growing Stages for Rice-Field Draining." In: R. J. Norman, J.-F. Meullenet, and K. A. K. Moldenhouer (eds.). B. R. Wells Rice Research Studies 2005. University of Arkansas Agricultural Experiment Station, Research Series 540, August:263-269.

Danforth, Diana, Tina G. Teague and Jennifer Lund. 2006. "Final Irrigation timing and Late Season Crop Susceptibility to Tarnished Plant Bug (*Lygus lineolaris* Palisot de Beauvois) 2005-- Using COTMAN to Make Crop Termination Decisions." National Cotton Council, Memphis, TN. In Proceedings of the 2006 Beltwide Cotton Conferences, San Antonio, Texas, January 3-6:1059-1072.

Das, Biswaranjan and Daniel V. Rainey, 2006. "Analyzing Arkansas's Economic Growth: Need for Future Rural Development Strategies." Abstract in Journal of Agricultural and Applied Economics 38(2):460. And in AgEcon Search, Research in Agricultural and Applied Economics, published at: <http://agecon.lib.umn.edu> (28 pages).

Das, Biswaranjan and Daniel V. Rainey. 2006. "The Changing Structure of Arkansas' Economy: A Shift Share Analysis." Arkansas Agricultural Experiment Station. Research Report 980. November.

Dixon, Bruce L., Bruce L. Ahrendsen, O. John Nwoha, Sandra D. Hamm and Diana D. Danforth. 2006. "FSA Direct Farm Loan Program Graduation Rates and Reasons for Exiting." AgEcon Search, Research in Agricultural and Applied Economics, published at: [agecon.lib.umn.edu](http://agecon.lib.umn.edu) (30 pages).

Durand-Morat, A. and E. J. Wailes. 2006. "Sensitive Product Designation in the Doha Round: the Case of Rice." Abstract in Journal of Agricultural and Applied Economics 38,2(August):459. And in AgEcon Search, Research in Agricultural and Applied Economics, published at: <http://agecon.lib.umn.edu> (18 pages).

Groves, Frank E., William C. Robertson, and Robert Hogan, Jr. 2006. "Cotton Research Verification Program – 2005 Progress Report. In Derrick M. Oosterhuis (ed), Summaries of Arkansas Cotton Research 2005. University of Ark, Agricultural Experiment Station, Research Series 543, Fayetteville.

Hauk, Hunter and Ron Rainey. 2006. "Farmers' Markets Developments and Resource Listings." Farm Management and Marketing Newsletter. Arkansas Cooperative Extension Service, University of Arkansas. 14,2(June):5-7.

Hignight, J., E. J. Wailes, J. Popp and J. Smartt. 2006. Investing in On-Farm Reservoirs Under Alternative Land Tenure Arrangements." In: R. J. Norman, J.-F. Meullenet, and

K. A. K. Moldenhouer (eds.). B. R. Wells Rice Research Studies 2005. University of Arkansas Agricultural Experiment Station, Research Series 540, August:413-417.

Hodges, T. and J. Popp. 2006. "Water Quality Issues in the Illinois River Watershed: a Proposal for New Voluntary Incentives." *Discovery Journal* 7(Fall):47-50.

Hogan, Jr., Robert and William C. Robertson. 2006. "An Economic Analysis: Comparing Harvest-Aid Programs in Arkansas." In Derrick M. Oosterhuis (ed), *Summaries of Arkansas Cotton Research 2005*. University of Ark, Agricultural Experiment Station, Research Series 543, Fayetteville.

Kemper, N., J. S. Popp, W. Miller and H. L. Goodwin, Jr. 2006. "Running to Stand Still: How Litigation Has Emphasized Challenges Economists Face in the Absence of Data." Abstract in *Journal of Agricultural and Applied Economics* 38(2):458. And in AgEcon Search, Research in Agricultural and Applied Economics, published at: <http://agecon.lib.umn.edu> (22 pages).

Kemper, Nathan, Jennie Popp, Dennis Robinson, Wayne Miller, H. L. Goodwin, Jr., and Gerald Doekson. 2006. "Examining the Economic Trade-offs Between the Poultry and Water Recreation Industries: A Case Study in Environmental Management." Poster abstract in *Journal of Agricultural and Applied Economics* 38,2(August):473.

Kolympiris, C., M. Thomsen and J. Morris. 2006. "An Optimization Model for Winery Capacity Use." Abstract in *Journal of Agricultural and Applied Economics* 38,2(August):466. And in AgEcon Search, Research in Agricultural and Applied Economics, published at: <http://agecon.lib.umn.edu>(18 pages).

Mane, R. and E. Wailes. 2006. "Impact of Trade Liberalization in Rice: Assessing Alternative Proposals." AgEcon Search Research in Agricultural and Applied Economics, published at: <http://agecon.lib.umn.edu> (30 pages).

Pollard, Stephan and Jennie Popp. 2006. "Optimizing Multi-Family Recycling Systems, Part 1: The Powerful Role of System Support." *Resource Recycling* (December):1-2.

Popp, J. 2006. "The SS-AAEA Quizbowl Competition Provides Benefits to Students." *The Exchange* 28(3):5.

Popp, J. 2006. "The CWAE Tracking Survey Scheduled for 2006-2007." *Committee For Women in Agricultural Economics Newsletter* (Summer):3-4.

Popp, J., N. Kemper, and W. Miller. 2006. "Economic Impact of Arkansas Agriculture." University of Arkansas Division of Agriculture, Fayetteville, AR. Published at: <http://division.uaex.edu>.

Popp, J and G. Rodriguez. 2006. "Quizbowl Success In and Out of the Classroom, a Five Year Study. Abstract in Journal of Agricultural and Applied Economics 38(2):468. And in AgEcon Search, Research in Agricultural and Applied Economics published at: <http://agecon.lib.umn.edu> (22 pages).

Popp, Jennie, German Rodriguez and Bruce Dixon. "Quizbowl Benefits: Attitudes and Performance of Southern Region School Students at the SS-AAEA Quizbowl Competition." Poster Abstract in Journal of Agricultural and Applied Economics 38,2(August):472.

Popp, M., R. Bacon, and M. Cochran. 2006. "Canola Production in Arkansas." Farm Management and Marketing Newsletter, Arkansas Cooperative Extension Service University of Arkansas 14,3(September):1-3.

Rodriguez, G., A. McKenzie, and L. Parsch. 2006. "Futures Hedging Strategies for Arkansas Cotton and Soybean Enterprises." In Derrick M. Oosterhuis (ed), Summaries of Arkansas Cotton Research 2005. University of Ark, Agricultural Experiment Station, Research Series 543, Fayetteville:266-270.

Rodriguez, G., A. McKenzie, and L. Parsch. 2006. "Futures Hedging Strategies for Arkansas Cotton and Soybean Enterprises." Poster abstract in Journal of Agricultural and Applied Economics 38,2(August):473.

Rodriguez, G. and J. Popp. 2006. "Combating the Crisis: Managing Watersheds for Economic Profit and Environmental Quality Improvement." Abstract in Journal of Agricultural and Applied Economics 38(2):467. And in AgEcon Search, Research in Agricultural and Applied Economics published at: <http://agecon.lib.umn.edu> (22 pages).

Runsick, S. K., J. W. Branson, C. E. Wilson, Jr., J. Hill, and B. Watkins. 2006. "2005 Rice Research Verification Program." In: R. J. Norman, J.-F. Meullenet, and K. A. K. Moldenhouer (eds.). B. R. Wells Rice Research Studies 2005. University of Arkansas Agricultural Experiment Station, Research Series 540, August:27-47.

Runsick, S. K., C. E. Wilson, Jr., A. L. Richards, J. W. Branson, D. L. Frizzell, R.D. Cartwright, J. L. Hill, and K. B. Watkins. 2006. "Influence of Seeding Rate on Grain Yield and Milling Yield of Five Rice Cultivars in Arkansas." In: R. J. Norman, J.-F. Meullenet, and K. A. K. Moldenhouer (eds.). B. R. Wells Rice Research Studies 2005. University of Arkansas Agricultural Experiment Station, Research Series 540, August:304-309.

Settlage, Latisha A., Bruce L. Dixon, Bruce L. Ahrendsen, and Steve R. Koenig. 2006. "Factors Determining the Use of Guaranteed Loans by U.S. Commercial Banks." In AgEcon Search, Research in Agricultural and Applied Economics, published at: <http://agecon.lib.umn.edu> (30 pages).

Settlage, Latisha, Bruce Dixon, Bruce Ahrendsen, and Steve Koenig. 2006. "A Detailed Look at Lender Participation in the Farm Service Agency Guaranteed Loan Program." In *Agricultural and Rural Finance Markets in Transition*. ed. Ani L. Katchova, University of Illinois at Urbana-Champaign, Department of Agricultural and Consumer Economics. <http://www.ace.uiuc.edu/agfin/proceedings/AgFin2006.pdf> (December):23-39.

Wailes, E. 2006. "Challenges for Market Intelligence in an Increasingly Differentiated Global Rice Economy." Proceedings, 26<sup>th</sup> international Rice Research Conference, New Delhi, India. October 9-13.

Wailes, Eric and Ed Chavez. 2006. "World Rice." In *FAPRI 2006 U.S. and World Agricultural Outlook*. FAPRI Staff Report 06-FSR 1, Food and Agricultural Policy Research Institute, Iowa State University and the University of Missouri-Columbia. Prepared for U.S. Congress, January, pages 9, 30, 164-177.

Watson, Susan, Gary Kennedy, John Nwoha, Kenneth Rea. 2006. "Usage Characteristics for Rural Business Web Sites." Poster abstract in *Journal of Agricultural Applied Economics* 38,2(August):471.

Whitmore, S., J. Popp and M. Redfern. 2006. "Suits vs Solutions: Incorporating Residents Perceptions into Optimal Air Quality Policy." In: Aneja, V., W. Schlesinger, R. Knighton, G. Jennings, D. Niyogi, W. Gilliam, and C. Duke. Proceedings, Workshop on Agricultural Air Quality, State of Science. North Carolina State University, Raleigh, NC: 1236-1237.

Young, K. B., R. I. Carreira, H. L. Goodwin, Jr. and E. J. Wailes. 2006. "Economics of Utilizing Poultry Litter from Northwest Arkansas for Eastern Arkansas Crops." In: R. J. Norman, J.-F. Meullenet, and K. A. K. Moldenhouer (eds.). *B. R. Wells Rice Research Studies 2005*. University of Arkansas Agricultural Experiment Station, Research Series 540, August:420-424.

### **Agricultural Statistics**

Golden, B.R., N.A. Slaton, R.J. Norman, E.E. Gbur, K.R. Brye, and R.E. DeLong 2006. The urea-nitrogen equivalence of fresh and pelleted poultry litter for flood-irrigated rice. In *Rice Technical Working Group Abstracts*. [CD-ROM].

Chaubey, I. M. Gitau, D. Ennannay, M. Nelson, E. Gbur, J. Popp, and J. Pennington 2006. Effectiveness and optimization of BMPs in improving water quality impacted by land application of animal manure. In Proceedings of the Workshop "Managing Agricultural Landscapes for Environmental Quality: Strengthening the Science Base." Kansas City, MO. [Abstract].

Popp, J., G. Rodriguez, J. Pennington, E. Gbur, M. Steele, I. Chaubey, and M. Gitau 2006. From Conflict to Cooperation: Enlisting stakeholders to address water quality disputes in an embattled

watershed. In Proceedings of the Workshop “Managing Agricultural Landscapes for Environmental Quality: Strengthening the Science Base.” [Abstract].

Krementz, D.G. and E.E. Gbur 2006. American woodcock Wingbee reliability. In Proceedings of the Tenth American Woodcock Symposium.

Tabler, G.T., A.H. Brown, E.E. Gbur, I.L. Berry, Z.B. Johnson, D.W. Kellogg and K.C. Thompson 2006. Effects of selected weather factors prior to feeding on feed intake of beef bulls during feedlot performance tests. In Arkansas Animal Science Department Report. Research Series 545:191-195.

### **Animal Science**

Beck, P., C. Stewart, S. Gunter, and M. Phillips. 2006. Effect of hay quality on performance of growing beef calves fed total mixed rations. *J. Anim. Sci.* 84(Suppl. 2):34. (Abstr.).

Eirin, M., P.Gregorini, R. Refi, M. Ursino, O. Ansin, and S. A. Gunter. 2006. The effect of morning fasting on beef heifers weight gain, body condition score, and daily herbage intake. *J. Anim. Sci.* 84(Suppl. 2):17. (Abstr.).

Flores, R. M. L. Looper, R. W. Rorie, M. A. Lamb, S. T. Reiter, D. M. Hallford, D. L. Kreider, and C. F. Rosenkrans, Jr. 2006. Body condition and somatotropin influence endocrine and follicular dynamics of postpartum Brahman-influenced cows. *Proc. Western Sec. Am. Soc. Anim. Sci.* 57:17-20. (peer reviewed).

Flores, R., M. L. Looper, R. W. Rorie<sup>1</sup>, C. F. Rosenkrans, Jr., M. A. Lamb, S. T. Reiter, and D. L. Kreider. 2006. Effects of body condition and bovine somatotropin on estrus, ovarian follicles, and reproductive performance of postpartum Brahman-influenced cows. SAAS Meeting, Orlando.

Flores, R., M. L. Looper, G. E. Aiken, W. K. Coblenz, R. K. Ogden, J. D. Caldwell, K. P. Coffey, and C. F. Rosenkrans, Jr. 2006. Quality characteristics and in situ dry matter disappearance kinetics of bahiagrass and three varieties of bermudagrass harvested during the summer and early fall in west-central Arkansas. *Proc. Am. Forage Grass. Counc.* 15:97-101.

Flores, R., M.L. Looper, G.E. Aiken, W.K. Coblenz, R.K. Ogden, J.D. Caldwell, K.P. Coffey, and C.F. Rosenkrans, Jr. 2006. Quality characteristics and in situ dry matter disappearance kinetics of bahiagrass and three varieties of bermudagrass harvested during the summer and early fall in west-central Arkansas. Arkansas Agricultural Experiment Station (AAES) Research Series 545:128-130.

Flores, R., J.A. May, M.N. Nihsen, M.L. Looper, K. May, D.M. Hallford, and C.F. Rosenkrans, Jr. 2006. Relationships between calf serum metabolites at feedlot entry and subsequent carcass

traits in Brangus-crossbred calves. Arkansas Agricultural Experiment Station (AAES) Research Series 545:161-162.

Gregorini, P., M. Eirin, R. Refi, M. Ursino, O. Ansin, and S. A. Gunter. 2006. The effect of a morning fasting on the afternoon grazing behavior of beef heifers. *J. Anim. Sci.* 84(Suppl. 2):17. (Abstr.).

Gregorini, P., P. Beck, and S. Gunter. 2006. Why conservation tillage? An animal perspective. Page 7 in Gamma Sigma Delta Graduate Student Competition. Univ. Arkansas, Fayetteville, AR. (Abstr.).

Gregorini, P., S. A. Gunter, and P. A. Beck. 2006. Effects of ruminal fill on short-term herbage intake. *J. Anim. Sci.* 84(Suppl. 2):16. (Abstr.).

Gregorini, P., S. A. Gunter, C. Masino, and P. A. Beck. 2006. Effects of ruminal fill on bite and grazing dynamics. *J. Anim. Sci.* 84(Suppl. 1):453. (Abstr.).

Gunter, S. A., J. D. Shockey, P. A. Beck, and C. A. Masino. 2006. A modified glucomannan as a method for mitigating fescue toxicosis. I. Cattle performance. *J. Anim. Sci.* 84(Suppl. 1):125. (Abstr.).

Gunter, S. A., J. W. Finley, C. B. Stewart, S. Hutchison, and P. A. Beck. 2006. Selenium, zinc, and copper accumulation in growing cattle grazing winter pasture on the coastal plain. *J. Anim. Sci.* 84(Suppl. 2):37. (Abstr.).

Kreider, D., K. Coffey, T. Montgomery, K. Ferrell, W. Coblenz, W. Whitworth, J. Caldwell, R. McNew, and R. Ogden, 2006. Effect of supplement timing on blood measurements and reproductive performance of beef heifers grazing annual ryegrass in the spring. SAAS Meeting, Orlando.

Kreider, D., R. Rorie, C. Rosenkrans, W. Coblenz, and T. Lester. 2006. Effects of melengestral acetate (MGA) supplementation on pregnancy rate to artificial insemination in dairy heifers. SAAS Meeting, Orlando.

Lamb, M., R. Okimoto, M. Brown, and C. Rosenkrans, Jr. 2006. Associations between cattle breed and heat shock protein 70 gene. Arkansas Agricultural Experiment Station (AAES) Research Series 545:205-208.

Looper, M.L., T.S. Edrington, J.M. Burke, R. Flores, T.R. Callaway, G.E. Aiken, and C.F. Rosenkrans, Jr. 2006. Influence of endophyte-infected tall fescue seed on fecal shedding of escherichia coli O157:H7 and blood metabolites in experimentally inoculated sheep. Arkansas Agricultural Experiment Station (AAES) Research Series 545:149-151.

Looper, M.L., R. Flores, G.E. Aiken, C.F. Rosenkrans, Jr., and D.K. Brauer. 2006. Comparison of forage availability and nutritive composition of bahiagrass and bermudagrass grazed by steers with or without steroid implants in west-central Arkansas. *Proc. Am. Forage Grass. Council.* 15:92-96.

Looper, M.L., R. Flores, G.E. Aiken, C.F. Rosenkrans, Jr., and D.K. Brauer. 2006. Forage availability and nutritive composition of bahiagrass and bermudagrass grazed by steers with or without steroid implants. *Arkansas Agricultural Experiment Station (AAES) Research Series* 545:117-119.

Moubarak, A., S., M. Cannon, and C.F. Rosenkrans, Jr. 2006. Cattle vs. sheep in their responses to fescue toxins. *Arkansas Agricultural Experiment Station (AAES) Research Series* 545:146-148.

Moubarak, A.S., H. Wang, Z.B. Johnson, and C.F. Rosenkrans, Jr. 2006. Interaction of fescue toxin with liver enzyme P450 3A. *Arkansas Agricultural Experiment Station (AAES) Research Series* 545:143-145.

Pohlman, F.W., P.N. Dias-Morse, S. A. Quilo. 2006. Effect of potassium lactate, sodium metasilicate, peroxyacetic acid or acidified sodium chlorite as single antimicrobial interventions on un-inoculated beef trimmings prior to grinding on ground beef instrumental color and lipid characteristics. *Ark. Anim. Sci. Ark Agric. Exp. Sta. Res. Series* 545:19-22.

Pohlman, F.W., P.N. Dias-Morse, S. A. Quilo. 2006. Effect of potassium lactate, sodium metasilicate, peroxyacetic acid or acidified sodium chlorite as single antimicrobial interventions on un – inoculated beef trimmings prior to grinding on ground beef sensory characteristics. *Ark. Anim. Sci. Ark Agric. Exp. Sta. Res. Series* 545:23-25.

Quilo, S. A., F. W. Pohlman, A. H. Brown, P. G. Crandall, P. N. Dias-Morse, R. T. Baublits, and C. Bokina. 2006. Effects of potassium lactate, sodium metasilicate, peroxyacetic acid and acidified sodium chlorite on physical properties of ground beef. *J. Anim. Sci.* 84(Suppl.1):188-189.

Quilo, S. A., F. W. Pohlman, A. H. Brown, P. G. Crandall, P. N. Dias-Morse, R. T. Baublits, and C. Bokina. 2006. Microbial characteristics of ground beef produced from beef trimmings treated with potassium lactate, sodium metasilicate, peroxyacetic acid or acidified sodium chlorite. *J. Anim. Sci.* 84(Suppl. 1):251.

Quilo, S.A., F.W. Pohlman, P.N. Dias-Morse. 2006. Instrumental Color Characteristics of Ground Beef Processed from Beef Trimmings Treated with Potassium Lactate, Sodium Metasilicate, Peroxyacetic Acid or Acidified Sodium Chlorite. *Ark. Anim. Sci. Ark Agric. Exp. Sta. Res. Series* 545:31-33.

Quilo, S.A., F.W. Pohlman, P.N. Dias-Morse. 2006. Quality and Sensory Characteristics of Ground Beef Patties Processed from Beef Trimmings Treated with Potassium Lactate, Sodium Metasilicate, Peroxyacetic Acid or Acidified Sodium Chlorite. *Ark. Anim. Sci. Ark Agric. Exp. Sta. Res. Series 545:38-42.*

Quilo, S.A., F.W. Pohlman, P.N. Dias-Morse. 2006. The Effects of Single Antimicrobial Interventions on Instrumental Color Characteristics when used in a Ground Beef Patty Production System. *Ark. Anim. Sci. Ark Agric. Exp. Sta. Res. Series 545:34-37.*

Richardson, J. T., P. A. Beck, S. A. Gunter, M. S. Gadberry, D. S. Hubbell, III, and C. Jones. 2006. Effects of on-arrival vs. delayed BRD vaccination on health, performance and serum IBR titer levels of newly-received stocker cattle. *J. Anim. Sci. 84(Suppl. 2):14.* (Abstr.).

Shockey, J. D., S. A. Gunter, P. A. Beck, and C. A. Masino. 2006. A modified glucomannan as a method for mitigating fescue toxicosis. II. Cattle behavior. *J. Anim. Sci. 84(Suppl. 1):125.* (Abstr.).

Thurlow, J. S., T. L. Perkins, S. T. Reiter, A. H. Brown, Jr., and C. E. Rosenkrans, Jr. 2006. The Use of Serum Components and Ultrasonic Measurements at Weaning to Predict Feedlot Gain and Carcass Merit. Arkansas Animal Science Department Report. Arkansas Agri. Exper. Sta. Research Series 545:182-186.

Thurlow, J.S., M.L. Looper, S.T. Reiter, M.A. Lamb, and C.F. Rosenkrans Jr. 2006. Effects of age at castration and transportation stress on physiological responses of newly weaned beef calves. Arkansas Agricultural Experiment Station (AAES) Research Series 545:187-190.

### **Crop, Soil and Environmental Sciences**

Anders, M.M., K.B. Watkins, K.A.K. Moldenhauer, J.W. Gibbons, and R.W. McNew. 2006. The Effect of Rotation, Tillage, Fertility, and Variety on Rice Grain Yield and Soil Quality. In R.J. Norman, J.F. Muellenet and K.A.K. Moldenhauer (eds.) *Rice Research Studies 2005.* University of Arkansas Agricultural Experiment Station Series 540. p. 248-255.

Baker, W.H. 2006. Variable Rate Applications to Save Production Costs in Rice. In R.J. Norman, J.F. Muellenet, and K.K. Moldenhauer (eds.) *J.B. Wells Rice Research Studies.* AR Ag. Exp. Stn. Res. Ser.

Alford, J.L. and L.R. Oliver. 2006. Seed Germination and Viability Effects in Response to calves. Arkansas Agricultural Experiment Station (AAES) Research Series 545:187-190.

Bajwa, S.G. and M. Mozaffari. 2006. Response of Cotton Canopy Reflectance to Nitrogen Fertilization. In N.A. Slaton (ed.) *W. E. Sabbe Arkansas Soil Fertility Studies 2005.* AR Ag. Exp. Stn. Res. Ser. 537. Fayetteville, AR. p. 8-21.

- Bararpour, M.T., L.R. Oliver, C.E. Brewer, N.V. Goldschmidt, and J.L. Alford. 2006. Weed Control in Grain Sorghum. In Proc. South. Weed Sci. Soc. 59:64.
- Bibi, A., D.M. Oosterhuis, E. Gonias, and M. Mozaffari. 2006. Effect of Phosphorus Deficiency on Cotton Growth. In N.A. Slaton (ed.) W. E. Sabbe Arkansas Soil Fertility Studies. 2005. AR Ag. Exp. Stn. Res. Ser. 537. Fayetteville, AR. p. 22-24.
- Bibi, A., D.M. Oosterhuis, E. Gonias, and M. Mozaffari. 2006. Effect of Phosphorus Deficiency on Cotton on Cotton Physiology. Summaries of Cotton Research in 2005. AR Ag. Exp. Stn. Res. Ser. 543:65-68.
- Bibi, A., D.M. Oosterhuis, E. Gonias, and M. Mozaffari. 2006. Effect of Phosphorus Deficiency on Cotton Growth. Summaries of Cotton Research in 2005. AR Ag. Exp. Stn. Res. Ser. 543:62-64.
- Bibi, A., D. Oosterhuis, E. Gonias, and F. De Souza. 2006. Effect of High Temperatures and a Plant Growth Regulator on Fertilization, Seed Set and Yield of Cotton. Summaries of Cotton Research in 2005. AR Ag. Exp. Stn. Res. Ser. 543: 24-29.
- Bibi, A., D. Oosterhuis, E. Gonias, and F. De Souza. 2006. Reproductive Development of Cotton Cultivars as Affected by High Temperatures and a Plant Growth Regulator. Summaries of Cotton Research in 2005. AR Ag. Exp. Stn. Res. Ser. 543:30-35.
- Bourland, F.M., B. S. Brown, J.M. Hornbeck, K. Kaufman, and W.C. Robertson. 2006. Arkansas Cotton Variety Test 2005. AR Ag. Exp. Stn. Res. Ser. 538.
- Bourland, F.M. 2006. University of Arkansas Cotton Breeding Program - 2005 Progress Report. In D.M. Oosterhuis (ed.) Summaries of Cotton Research in Progress in 2005. AR Ag. Exp. Stn. Res. Ser. 543. p. 21-23.
- Boyett, V.A., J.W. Gibbons, and K.A.K. Moldenhauer. 2006. Marker-Assisted Selection Accelerates Screening for Agronomic Traits. In R.J. Norman, J.F. Meullenet and K.A.K. Moldenhauer (eds.) Rice Research Studies 2005. AR Ag. Exp. Stn. Res. Ser. 540. p. 48-52.
- Branson, J.W., K.L. Smith, R.C. Scott, and Wilson, C. E. 2006. The Need for Herbicide Resistance Management in Rice. Rice Tech. Working Group. 31:184.
- Brewer, C.E., L.R. Oliver, and R.C. Scott. 2006. Update: Arkansas Glyphosate-Resistant Common Ragweed. In Proc. South. Weed Sci. Soc. 59:188.
- Brye, K.R. 2006. Poultry Litter and Deep Tillage Effects on Crop Production Following Land Leveling in a Clayey Aquert. In R.J. Norman and J.F. Meullenet (eds.) B.R. Wells Rice Research Studies 2005. AR Ag. Exp. Stn. Res. Ser. 540. Fayetteville, AR. p. 256-262.

Bullington, J.A, N. R. Burgos, K. L. Smith, B. A. Pearson, V. K. Shivrain, and J. R Meier. 2006. Impact of Cultural Practices in Roundup Ready soybean on red rice. In Proc. South. Weed Sci. Soc. 59:27.

Burgos, N.R., L. Brandenberger, C. Thomas, L. Wells, V. Shivrain, D. Motes, S. Eaton, L. Martin, and T. Morelock. 2006. Cowpea Tolerance to Sandea Herbicide. In Proc. of the 2006 Ann. Mtg. of the Southern Region American Society of Horticultural Science. HortSci. 40:516.

Burgos, N. R., L. Brandenberger, C. Thomas, L. Wells, V. Shivrain, D. Motes, S. Eaton, L. Martin, and T. Morelock. 2006. Cowpea Tolerance to Sandea® Herbicide. In Proc. of the National Cowpea Germplasm Mtg., Orlando, FL.

Counce, P.A., L.C. Purcell, K.B. Watkins and T.J. Siebenmorgen. 2006. Water Savings for Rice Producers Using a Model to Predict Safe Growth Stages for Rice-Field Drainage. In R.J. Norman, J-F.C. Meullenet and K.A.K. Moldenhauer (Eds.) Rice Research Series 2005. AR Ag. Exp. Stn. Res. Ser. 540. p. 263-269.

De Souza, F., D.M. Oosterhuis, C.A. Rosolem, E. Gonias, and A. Bibi. 2006. Effect of Temperature on Cotton Growth Response to Mepiquat Chloride. Summaries of Cotton Research in 2005. AR Ag. Exp. Stn. Res. Ser. 543:51-57.

DeLaune, P.B., T.C. Daniel, A.N. Sharpley, B.E. Haggard, and M.J. Cochran. 2006. Management of Poultry Litter and Other Animal Manures Using the Phosphorus Index. Div. of Ag.

DeLong, R.E., S.D. Carroll, N.A. Slaton, M. Mozaffari, and C. Herron. 2006. Soil Test and Fertilizer Sales Data: Summary for the 2005 Growing Season. In N.A. Slaton (ed.) Wayne E. Sabbe Arkansas Soil Fertility Studies 2005. AR Ag. Exp. Stn. Res. Ser. 537. Fayetteville, AR. p.7-17.

DeLong, R.E., S.D. Carroll, N.A. Slaton, and M. Mozaffari. 2006. Soil Test and Fertilizer Sales Data: Summary for the 2005 Growing Season. In N.A. Slaton (ed.) W. E. Sabbe Arkansas Soil Fertility Studies. 2005. AR Ag. Exp. Stn. Res. Ser. 537. Fayetteville, AR. p 7-17.

De Souza, F.S. C.A. Roselem, and D.M. Oosterhuis. 2006. Efeito Do Chloreto De Mepiquat Na Expressra De Folhas Do Algodeiro Em Funcao Da Temperatura. In Proc. Brazilain Botanical Congress. p. 27-33.

De Souza, F., D.M. Oosterhuis, E.D. Gonias, A.C. Bibi, and C. Roselem. 2006. Effect of Temperature on Cotton Growth Response to Mepiquat Chloride. [CD-ROM]. In Proc. Beltwide Cotton Conf. San Antonio, TX, 04-06 Jan. Natl. Cotton Counc. of Am. of America, Memphis, TN.

Dillon, T.W., R.C. Scott, K.A. Meins, and N.D. Pearrow. 2006. Effect of Sulfonylurea Rice Herbicides on Soybeans. In Proc. South. Weed Sci. Soc. 59:00.

Estorninos, L.E., Jr., N.R. Burgos. D.R. Gealy, R.E. Talbert, J.M. Stewart, and C.H. Sneller. 2006. Determination of Genetic Relationships among Red Rice Accessions by Random Amplified Polymorphic DNA Analysis. In R.J. Norman, J.F. Meullenet, and K.A.K. Moldenhauer, eds. B. R. Wells Rice Res. Ser. 2005. 540:181-189.

Frizzell, D.L., C.E. Wilson, Jr., R.J. Norman, N.A. Slaton, A.L. Richards, J.L Hill, J.W. Branson and S.K. Runsick. 2006. Influence of Row-Spacing and Seeding Rate on Rice Grain Yield. In R.J. Norman et al.(eds.), B.R. Wells Rice Research Studies 2005. AR Ag. Exp. Stn. Res. Ser. 540. p. 270-275.

Gealy, D.R., L.E. Estorninos, and N.R. Burgos. 2006. Multi-Year Evaluation of Reciprocal Outcrossing Rates Between Selected Rice Cultivars and Red Rice Types at Stuttgart, Arkansas. In Proc. South. Weed Sci. Soc. 59:186.

Gibbons, J.W., K.A.K. Moldenhauer, F.N. Lee, J.L. Bernhardt, M.M. Anders, N.A. Slaton, R.J. Norman, J.N. Rutger, J.M. Bulloch, K. Taylor, and M.M. Blocker. 2006. Development of Semidwarf Long- and Medium-Grain Cultivars. In R.J. Norman, J.F. Muellenet and K.A.K. Moldenhauer (eds.) Rice Research Studies 2006. AR Ag. Exp. Stn. Res. Ser. p. 71-76.

Goldschmidt, N.V. and L.R. Oliver. 2006. Seedhead Suppression of Ann. Grasses with Late-Season Herbicide Applications. In Proc. South. Weed. Sci. Soc. 59:89.

Gonias, E., D.M. Oosterhuis, A. Bibi, and M. Mozaffari. 2006. Effect of Phosphorus Deficiency on Cotton Physiology. In N.A. Slaton (ed.) W. E. Sabbe Arkansas Soil Fertility Studies 2005. AR Ag. Exp. Stn. Res. Ser. 537. Fayetteville, AR. p. 35-37.

Gonias, E.D., D.M. Oosterhuis, and A.D. Bibi. 2006. Calculation of Heat Units for Defoliation Based on Ambient or Internal Boll Temperatures. Summaries of Cotton Research in 2005. AR Ag. Exp. Stn. Res. Ser. 543:42-46.

Gonias, E.D., D.M. Oosterhuis, A.D. and Bibi. 2006. Measurement of Internal Boll Temperatures. Summaries of Cotton Research in 2005. AR Ag. Exp. Stn. Res. Ser. 543:36-41.

Gonias, E.D, D.M. Oosterhuis, and Bibi, A.C. 2006. How the Insecticide Trimaxtm Improves the Growth and Yield of Cotton. [CD-ROM] In Proc. Beltwide Cotton Conf. San Antonio, TX, 04-06 Jan. Natl. Cotton Counc. of Am., Memphis, TN.

Gonias, E.D, D.M. Oosterhuis, and Bibi, A.C. 2006. Calculation of Heat Units for Defoliation Based on Ambient or Internal Boll Temperatures. [CD-ROM] In Proc. Beltwide Cotton Conf. San Antonio, TX, 04-06 Jan. Natl. Cotton Counc. of Am., Memphis, TN.

Hawkins, Carrie, E.M. Rutledge, Martin Shipitalo, and Mary Savin. Potential Effects of Earthworms on Soil Renovation of Household Wastewaters. In Proc. of the Ann. Mtgs. of SSSA [CD-ROM].

Jordan, D.L., N.R. Burgos, J.M. Chandler, P.A. Dotray, J.L. Griffin, G.E. MacDonald, C.R. Medlin, T.C. Mueller, D.S. Murray, J.R. Norsworthy, A. Rankins, R. Smeda, D.H. Teem, W.K. Vencill, J.W. Wilcut, and W.W. Witt. 2006. Courses and Subject Matter Taught in the Southern Region Related to Weed Management. In Proc. South. Weed Sci. Soc. 59:243.

Lee, F.N., R.D. Cartwright, C.E. Wilson, Jr., and K.A.K. Moldenhauer. 2006. Historical use of Field Resistance to Control Rice Blast Disease in Arkansas. In R.J. Norman, J.F. Meullenet and K.A.K. Moldenhauer (eds.) Rice Research Studies 2005. AR Ag. Exp. Stn. Res. Ser. 540. p. 133-137.

Leon, C.T., E.P. Webster, R.C. Scott, and A.T. Ellis. 2006. Introduction of Orthosulfamuron (Ir-5878) for Use in Mid-South Rice. In Proc. South. Weed Sci. Soc. 59:00.

Mattice, J.D., B.W. Skulman, and R.J. Norman. 2006. Environmental Implications of Pesticides in Rice Production. In R.J. Norman et al.(eds.), B.R. Wells Rice Research Studies 2005. AR Ag. Exp. Stn. Res. Ser. 540. p. 199-206.

McConnell, J.S., K.A. Kaufman, Francis, P.B., Stark, R.C., and M. Mozaffari. 2006. Comparison of Foliar Nitrogen Fertilization Strategies and Methods for Cotton. In D.M. Oosterhuis (ed.) Summaries of Arkansas Cotton Research 2005. AR Ag. Exp. Stn. Res. Ser. 543. Fayetteville, AR. p. 91-102.

McConnell, J.S., K.A. Kaufman, P.B. Francis, C. R. Stark, and M. Mozaffari. 2006. Comparisons of Foliar Nitrogen Fertilization Strategies and Methods for Cotton. In N.A. Slaton (ed.) W. E. Sabbe Arkansas Soil Fertility Studies 2005. AR Ag. Exp. Stn. Res. Ser. 537. Fayetteville, AR. p. 44-48.

McConnell, J. S., Kaufman, K. A., Francis, P. B., Stark, R. C., and M. Mozaffari. 2006. Long-Term Irrigation Methods and Nitrogen Fertilization Rates in Cotton Production: The Last Three Years of the McConnell-Mitchell Plots. In D.M. Oosterhuis (ed.) Summaries of Arkansas Cotton Research 2005. AR Ag. Exp. Stn. Res. Ser. 543. Fayetteville, AR. p. 79-88.

McConnell, J.S., K.A Kaufman, P.B. Francis, C.R. Stark, and M. Mozaffari. 2006. Long-Term Irrigation Methods and Nitrogen Fertilization Rates in Cotton Production: the Last Three Years of the Mcconnell-Mitchell Plots. In N.A. Slaton (ed.) W. E. Sabbe Arkansas Soil Fertility Studies 2005. AR Ag. Exp. Stn. Res. Ser. 537. Fayetteville, AR. p. 38-43.

McConnell, J.S., K.A.Kaufman, P.B.Francis, C. R. Stark, and M. Mozaffari. 2006. Varietal Responses of Cotton to Nitrogen Fertilization: Final Report. In N.A. Slaton (ed.) W. E. Sabbe

Arkansas Soil Fertility Studies 2005. AR Ag. Exp. Stn. Res. Ser. 537. Fayetteville, AR. p. 49-51.

McConnell, J.S., Kaufman, K.A., Francis, P.B., Stark, R.C., and M. Mozaffari. 2006. Varietal Responses of Cotton to Nitrogen Fertilization: Final Report. In D.M. Oosterhuis (ed.) Summaries of Arkansas Cotton Research 2005. AR Ag. Exp. Stn. Res. Ser. 543. Fayetteville, AR. p. 89-90.

Meier, J.R., K.L. Smith, R.C. Doherty, M.B. Kelly, and R.C. Scott. 2006. Rice Cultivar Response to Glyphosate Drift as Influenced by Growth Stage. In Proc. South. Weed Sci. Soc. 59:00.

Meins, K.B., R.C. Scott, N. D. Pearrow, and T. W. Dillon. 2006. Weed Efficacy and Tolerance of Rice to Wheat Herbicides. In Proc. South. Weed Sci. Soc. 59:00.

Mills, N., D.M. Oosterhuis, and B.M. McMichael. 2006. Genotypic Root Response of Cotton at Sub-Optimal Temperature Environments. [CD-ROM] In Proc. Beltwide Cotton Conf. San Antonio, TX, 04-06 Jan. Natl. Cotton Council of Am., Memphis, TN.

Norman, R.J., C.E. Wilson, Jr., N.A. Slaton, D.L. Frizzell, W.J. Ross, J.T. Bushong, and A.L. Richards. 2006. Influence of Urea and Agrotain Applied to a Dry and Muddy Silt Loam Soil Several Days Prior to Flooding on Ammonia Volatilization and Grain Yields of Delayed-Flood Rice. In R.J. Norman et al.(eds.), B.R. Wells Rice Research Studies 2005. AR Ag. Exp. Stn. Res. Ser. 540. p. 291-297.

Norman, R.J., C.E. Wilson, Jr., N.A. Slaton, D.L. Frizzell, A.L. Richards, M.W. Duren, J.W. Gibbons, and K.A.K. Moldenhauer. 2006. Grain Yield Response of Fifteen New Rice Cultivars to Nitrogen Fertilization. In R.J. Norman et al.(eds.), B.R. Wells Rice Research Studies 2005. AR Ag. Exp. Stn. Res. Ser. 540. p. 276-290.

Oosterhuis, D.M., A.C. Bibi, E.D. Gonias, and S. Brown. 2006. Increased Protein, Insect Mortality and Yields with Chaperone<sup>TM</sup>. [CD-ROM] In Proc. Beltwide Cotton Conf. San Antonio, TX. 04-06 Jan. Natl. Cotton Council of Am., Memphis, TN.

Osborne, J., R.C. Scott, M. Hamilton, and J. McFarland. 2006. Glyphosate Resistant Horseweed Moves from the Cotton Fields into Soybeans in Crittenden County Arkansas. In Proc. South. Weed Sci. Soc. 59:00.

Pearrow, N.D., R.C. Scott, K.A. Meins, and T.D. Dillon. 2006. Efficacy of Various Soybean Herbicides on Giant Ragweed. In Proc. South. Weed Sci. Soc. 59:00.

Pearson, B.A., N. R. Burgos, J.A. Bullington, and V.K. Shivrain. 2006. Alternative Herbicides for Controlling Imazethapyr-Resistant Red Rice and Carryover Effects. In Proc. South. Weed Sci. Soc. 59:91.

- Pearson, B.A., N.R. Burgos, M.M. Anders, J.A. Bullington, and V.K. Shivrain. 2006. Alternatives for Controlling Imazethapyr-Resistant Red Rice and Carryover Effects. In R.J. Norman, J.F. Meullenet, and K.A.K. Moldenhauer, eds. B.R. Wells Rice Research Series 2005. AR Ag. Exp. Stn. Res. Ser. 540:207-212.
- Pearson, B.A., N.R. Burgos, R.C. Scott, J.A. Bullington, and V.K. Shivrain. 2006. Baseline Tolerance of Red Rice Populations to Glyphosate, Glufosinate, and Imazethapyr. In R.J. Norman, J.F. Meullenet, and K.A.K. Moldenhauer, eds. B.R. Wells Rice Research Series 2005. AR Ag. Exp. Stn. Res. Ser. 540:213-219.
- Purcell, L.C. 2006. Redefining the Requirements for Light and Water in Soybean for Irrigated and High Yielding Environments. In Proc. of the 14th Congress of AAPRESID, Argentinean No-Till Farmer's Association. 08-11 Aug. Rosario, Argentina. p.83-89.
- Reiter, M.S., T.C. Daniel, N.A. Slaton, C.E. Wilson, Jr., C.H. Tingle, and B.R. Bock. 2006. Broiler Litter and Litter Ash Effects on Rice in an Eastern Arkansas Rotation. In N.A. Slaton (ed.) Wayne E. Sabbe Arkansas Soil Fertility Studies 2005. AR Ag. Exp. Stn. Res. Ser. 537. Fayetteville, AR. p.81-85.
- Richards, A.L., C.E. Wilson, Jr., D.L. Frizzell, N.A. Slaton, K. Brye, K.B. Watkins, and J.L. Hill. 2006. Timing for Irrigation Termination on Silt Loam Rice Soils. In R.J. Norman, J.F. Meullenet, and K.A.K. Moldenhauer (eds.) B.R. Wells Rice Research Studies 2005. AR Ag. Exp. Stn. Res. Ser. 540. Fayetteville, AR. p.298-303.
- Rothrock, C.S., R.L. Sealy, F.N. Lee, J. Gibbons, and R.D. Cartwright. 2006. Relationship of Cold-Tolerance and Pythium Resistance to Rice Stand Establishment. In R.J. Norman, J.F. Meullenet and K.A.K. Moldenhauer (eds.) Rice Research Studies 2006. AR Ag. Exp. Stn. Res. Ser. 540. p. 138-142.
- Savin, M.C., L. C. Purcell, A. Daigh, and A. Manfredini. 2007. Mycorrhizal Response in Soybean, Corn, and Cotton to Glyphosate Applications and P Fertilization. Wayne E. Sabbe Soil Fertility Studies 2006 Publication, AR Ag. Exp. Stn. Res. Ser. Fayetteville, AR.
- Savin, M.C., P. Tomlinson, and R. Norman. 2006. Labile C and N Pools in Soil Quality Assessment of Whiter River Region Fields. B. R. Wells Rice Research Studies 2005, AR Ag. Exp. Stn. Res. Ser. 240:316-323. Fayetteville, AR.
- Savin, M.C., D.M. Miller, L. Copenhaver, P. Tomlinson, K. Brye, and R.J. Norman. 2006. Distribution and Movement of Fertilizer Nitrogen Applied to a Silt-Loam Soil. In R.J. Norman et al.(eds.), B.R. Wells Rice Research Studies 2005. AR Ag. Exp. Stn. Res. Ser. 540. p.310-315.
- Sharpley, A.N., T.C. Daniel, and B.E. Haggard. 2006. Agriculture, Phosphorus, and Water Quality in Arkansas. Div. of Ag.

Shivrain, V.K., N. R. Burgos, S.N. Rajguru, and M.A. Sales. 2006. Intraspecific Variability in the ALS Gene of Red Rice. In Proc. South. Weed Sci. Soc. 59:187.

Shivrain, V.K., N.R. Burgos, K.L. Smith, J.R. Meier, and R.C. Doherty. 2006. Flowering of Red Rice Accessions from Arkansas and Clearfield Cultivars in the Delta. In R.J. Norman, J.F. Meullenet, and K.A.K. Moldenhauer, eds. B.R. Wells Rice Research Series 2005. AR Ag. Exp. Stn. Res. Ser. 540:240-247.

Shivrain, V.K., N.R. Burgos, D.R. Gealy, H.L. Black, and L.E. Estorninos, Jr. 2006. Flowering of Red Rice Accessions from Arkansas and Clearfield Cultivars in the Grand Prairie. In R.J. Norman, J.F. Meullenet, and K.A.K. Moldenhauer, eds. B.R. Wells Rice Research Series 2005. AR Ag. Exp. Stn. Res. Ser. 540:230-239.

Slaton, N.A., R.E. DeLong, M. Mozaffari, S. Clark, C. Allen, and R. Thompson. 2006. Wheat Grain Yield Response to Phosphorus Fertilizer Rate. In N.A. Slaton (ed.). W. E. Sabbe Arkansas Soil Fertility Studies 2005. AR Ag. Exp. Stn. Res. Ser. 537. Fayetteville, AR. p. 93-96.

Slaton, N.A., R.J. Norman, C.E. Wilson, Jr., R.E. DeLong, and B.R. Golden. 2006. Evaluating the Nitrogen Fertilizer Value of Poultry Litter Applied Preplant to Direct-Seeded Rice. In R.J. Norman, J.F. Meullenet, and K.A.K. Moldenhauer (eds.) B.R. Wells Rice Research Studies 2005. AR Ag. Exp. Stn. Res. Ser. 540. Fayetteville, AR. p.341-350.

Slaton, N.A., R.E. DeLong, and B.R. Golden. 2006. Soybean Response to Boron Fertilization Strategy. In N.A. Slaton (ed.) Wayne E. Sabbe Arkansas Soil Fertility Studies 2005. AR Ag. Exp. Stn. Res. Ser. 537. Fayetteville, AR. p.89-92.

Slaton, N.A., J. Branson, C.E. Wilson, Jr., R.J. Norman, and R.E. DeLong. 2006. Zinc Fertilization of Rice Grown on Clay Soils in Arkansas. In R.J. Norman, J.F. Meullenet, and K.A.K. Moldenhauer (eds.) B.R. Wells Rice Research Studies 2005. AR Ag. Exp. Stn. Res. Ser. 540. Fayetteville, AR. p.324-332.

Slaton, N.A., R.E. DeLong, R.J. Norman, C.E. Wilson, Jr., and B.R. Golden. 2006. Rice Response to Phosphorus and Potassium Fertilization. In R.J. Norman, J.F. Meullenet, and K.A.K. Moldenhauer (eds.) B.R. Wells Rice Research Studies 2005. AR Ag. Exp. Stn. Res. Ser. 540. Fayetteville, AR. p.333-340.

Slaton, N.A., R.E. DeLong, M. Mozaffari, S. Clark, C. Allen, and R. Thompson. 2006. Wheat Grain Yield Response to Phosphorus Fertilizer Rate. In N.A. Slaton (ed.) Wayne E. Sabbe Arkansas Soil Fertility Studies 2005. AR Ag. Exp. Stn. Res. Ser. 537. Fayetteville, AR. p.93-96.

Slaton, N.A., R.E. DeLong, M. Mozaffari, J. Shafer, J. Branson, and T. Richards. 2006. Soybean Response to Phosphorus and Potassium Fertilization Rate on Silt Loam Soils. In N.A. Slaton

(ed.) W. E. Sabbe Arkansas Soil Fertility Studies 2005. AR Ag. Exp. Stn. Res. Ser. 537. Fayetteville, AR. p. 97-101.

Smith, K.L., J.L. Barrentine, and R.C. Scott. 2006. Have They Changed That Formulation? That Herbicide Won't Kill Weeds Anymore. In Proc. South. Weed Sci. Soc. 59:00

Stacey, S.P. and D.M. Oosterhuis. 2006. Effect of EDTA on the Foliar Absorption of Trace Element Fertilizers. Summaries of Cotton Research in 2005. AR Ag. Exp. Stn. Res. Ser. 543:58-61.

Teague, T.G., D. Wildy, M. Ismanov, J. Lund, L. Hendrickson, N. Emanuel, J. Willers and M. Mozaffari. 2006. Comparison of Broadcast and Image-Based, Variable Rate Application of Mepiquat Chloride on Crop Growth and Fruit Retention Using the COTMAN Crop Monitoring System-Year 2. In Proc. of Beltwide Cotton Conf., New Orleans, LA. 04-07 Jan. [CD-ROM] Natl. Cotton Counc. of Am. Memphis, TN.

Wilson, Jr., C.E., R.J. Norman, K.A.K. Moldenhauer, J.W. Gibbons, D.L. Frizzell, and A.L. Richards. 2006. Development of Degree-Day 50 Thermal Unit Thresholds for New Rice Cultivars. In R.J. Norman et al.(eds.), B.R. Wells Rice Research Studies 2005. AR Ag. Exp. Stn. Res. Ser. 540. p.356-364.

Wilson, C.E. Jr., A.L. Richards, C.E. Parsons, D.L. Frizzell, J.A. Yingling, J.W. Branson, S. Runsick, J.W. Gibbons, and R.D. Cartwright. 2006. On-Farm Rice Variety Performance. In R.J. Norman, J.F. Muellenet and K.A.K. Moldenhauer (eds.) Rice Research Studies 2006. AR Ag. Exp. Stn. Res. Ser. 540. p. 94-101.

## **Entomology**

Ali, M.I. and R.G. Luttrell. 2006. Baseline susceptibilities of *Heliothis virescens* and *Helicoverpa zea* to Vip3A insecticidal protein expressed in VipCot Cotton: Results of 2006 Studies. Research Report to Syngenta Biotech.

Ali, M.I. and R.G. Luttrell. 2006. Susceptibilities of *Heliothis virescens* and *Helicoverpa zea* to Cry1Ac and cypermethrin as measured during 2005. Report to Monsanto Company.

Ali, M.I. and R.G. Luttrell. Susceptibilities of *Heliothis virescens* and *Helicoverpa zea* to Cry2Ab insecticidal protein in diet incorporated assays conducted in 2005. Report to Monsanto Company.

Crockett, R.J. and M.V. Meisch. 2006. Initiating arbovirus surveillance in Arkansas. Entomological Abstracts.

- Goggin, F.L. 2006. Plant activators and genetic resistance for integrated management of nematodes and aphids on tomato. California Tomato Commission Project Termination Report.
- Johnson, D.T. and B.A. Lewis. 2006. Grape phylloxera efficacy study in Missouri, 2006. 2006 Report to IR4 Program and Bayer CropSciences.
- Johnson, D.T. and B.A. Lewis. 2006. Insecticide efficacy against raspberry crown borer in blackberry. 2006 Report to IR4 Program and Bayer CropSciences.
- Kay, S. and D. C. Steinkraus. 2006. Effect of *Neozygites fresenii* infection on cotton aphid movement. In: Oosterhuis, D.M. (Ed.), Summaries of Arkansas Cotton Research 2005, Arkansas Agricultural Experiment Station, Research Series 521.
- Lund, J., T.G. Teague, D.C. Steinkraus and J.E. Leland. 2006. Control of tarnished plant bugs using *Beauveria bassiana* and the insect growth regulator, Novaluron. In: Oosterhuis, D.M. (Ed.), Summaries of Arkansas Cotton Research 2005, Arkansas Agricultural Experiment Station, Research Series 521.
- Luttrell, R. G., K.C. Allen and T.G. Teague. 2006. Large farm variability in COTMAN and cotton insect management: A foundation for community-wide management systems. Final Report, Project 02-281, Cotton Incorporated.
- Luttrell, R.G., M.I. Ali and K.C. Allen. 2006. Relating variability in heliothine Cry1Ac susceptibility to within field assays and spatial and temporal patterns of selection. Annual Progress Report, US-EPA Biotechnology Risk Assessment Program, Project 2000-0043328.
- Luttrell, R.G., J. Greene and J. Smith. 2006. Refining the strategic use of soybean as a trap crop for stink bugs in Arkansas' diverse cropping systems. Final Report, Project 0403-61103, Arkansas Soybean Promotion Board.
- Luttrell, R.G. and J.F. Smith. 2006. Spatial and temporal abundance of stink bugs on cultivated crops and wild hosts in Southeast Arkansas: Understanding their threat to early and late soybean production in Arkansas. Research Project Update, Arkansas Soybean Promotion Board, Project.
- McLeod, P.J. 2006. Technical consultancy report on improvement in insect management for vegetables produced in Bolivia. Farmer-to-farmer program (USAID) Winrock International.
- McLeod, P.J. 2006. Use of foliar insecticides for aphid management on spinach, 2006. Report submitted to IR-4, FMC, Cerexagri-Nisso and Allen Canning Co.
- Meisch, M.V. 2006. Assessment of six larvicide formulations in flooded rice plots against caged *Psorophora columbiae*. Data analysis and final report for Clarke Mosquito Control.

Meisch, M.V. 2006. Excitation potential of Duet™ as it relates to increased efficacy of control. Data analysis and final report for Clarke Mosquito Control.

Raghu, S., S. Post and R. Wiedenmann. 2006. Invasive exotic plants in Illinois. *Outdoor Illinois* 14:2-5.

Singh, N., D.T. Johnson, R.J. Bryant and J.L. Bernhardt. 2006. Chemical ecology and population dynamics of rice stink bug, *Oebalus pugnax* F. and natural enemies around rice plantings. *B.R. Wells Rice Research Studies* 2005.

Stephen, F.M. and W.F. Limp. 2006. Assessment, monitoring and analysis of red oak borer populations. USDA Forest Service, Special Technology Development Program, Final Report.

Stephen, F.M. and W.F. Limp. 2006. Development of geospatial techniques for the prediction and assessment of red oak decline due to red oak borer. USDA Forest Service, Evaluation Monitoring Project, Forest Health Monitoring Program, Final Report.

Stephen, F.M. and M.P. Lih. 2006. Revision and validation of the Arkansas SPBMODEL to improve accuracy and accessibility, USDA Forest Service, Special Technology Development Program, Progress Report.

Zawislak, J. and D.C. Steinkruas. 2006. Natural attachment sites for capilliconidia of *Neozygites fresenii* (Entomophthorales: neozygitaceae) on cotton aphids, *Aphis gossypii* (Homoptera: Aphididae). In: Oosterhuis, D.M. (Ed.), *Summaries of Arkansas Cotton Research 2005*, Arkansas Agricultural Experiment Station, Research Series 521.

## **Food Science**

Cooper, N.T.W. and T.J. Siebenmorgen. 2006. Correcting head rice yield for surface lipid content (Degree of Milling) variation. *Arkansas Rice Research Studies*, 2005. AES Research Series 540:364-372.

Counce, P.A., L.C. Purcell, K.B. Watkins, and T.J. Siebenmorgen. 2006. Water savings for rice producers using a model to predict safe growth stages for rice-field drainage. *Arkansas Rice Research Studies*, 2005. AES Research Series 540:263-269.

Meullenet, J-F., E. Roques, T.J. Siebenmorgen, and A. Couch. 2006. Prediction of rice surface lipids and color by diode array near-infrared spectroscopy. *Arkansas Rice Research Studies*, 2005. AES Research Series 540:373-378.

Morris, J.R. 2006. Development and incorporation of mechanization into intensely managed grape vineyards. Paper and Abstract Book, *Wine Growing for the Future*, 6<sup>th</sup> International Cool Climate Symposium for Viticulture and Enology. pp 68-83.

Morris, J.R. 2006. University of Arkansas grape and wine program: The Muscadine experience. Proceedings of Georgia Blueberry, North American Bramble Growers Assoc., and Georgia-South Carolina Muscadine Conferences. Savannah, GA. pp. 16-31. January.

Parker, A., A. Proctor and R.L. Eason. 2006. The effects of harvesting conditions on milled rice surface free fatty acid levels. B.R. Wells Rice Studies. pp:379-386.

Saleh, M.I. and J.-F. Meullenet. 2006. Effect of surface lipids on cooked long-grain rice textural properties. B.R. Wells Rice Research Series 2005. pp:387-395.

Siebenmorgen, T.J. and D.A. Schluterman. 2006. Relating rough rice drying and tempering durations to head rice yield reduction. Arkansas Rice Research Studies, 2005. AES Research Series 540:404-412.

Siebenmorgen, T.J., R.C. Bautista, and G. Qin. 2006. Influence of drying on rice fissure formation rates and mechanical strength distributions. Arkansas Rice Research Studies, 2005. AES Research Series 540:396-403.

## **Horticulture**

Buck, J.S., M.R. Evans and P. Sambo. 2006. Physical properties of whole fresh-ground parboiled rice hulls for use as a horticultural root substrate. HortScience 41(4):979.

Choi, H., C.R. Rom, M. Gu, J. McAfee. 2006. Seasonal variations of nutrient status in soil and leaves, soil properties, and tree growth under different organic apple groundcover management systems. HortSci. 41: 1032.

Clark, J.R. 2006. Recent variety releases from the University of Arkansas peach breeding program. Proc. Southeast Peach Conv. 8-10.

Clark, J.R. 2006. The primocane-fruited blackberry story: progress and prospects. Proc. N. Amer. Bramble Growers Assoc. 6-12.

Evans, M.R., B.W. Krumpelman, R. Sealy and C.S. Rothrock. 2006. The effect of substrate silica incorporation on post-emergence damping off of vinca. HortScience 41(4):979.

Evans, M.E., T.J. Cavins, J.S. Kuehny, R.L. Harkess and R.L. Greer. 2006. Virtual field trips for improving undergraduate education in greenhouse management. HortScience 41(4):1003.

Garcia, M.E, 2006. Nutrition of Pecan Trees. Proceedings of the 76<sup>th</sup> Annual Oklahoma Pecan Growers Association.

- Garcia, M.E. 2006. Nutrition of Deciduous Fruits. Proceedings of the 25<sup>th</sup> Annual AR-OK Horticulture Industry Show.
- Gu, M., J. Robbins, C. Rom. 2006. Japanese Beetle (*Popilla japonica* Newman) Feeding Preference on Eighteen Field-grown Birch (*Betula* L.) Accessions. SNA Rsch. Conf. 50: 185-187.
- Gu, M., J. Robbins, C. Rom. 2006. Landscape Performance of Twenty-three Field-grown Birch Accessions at Fayetteville and Hope, Arkansas. SNA Rsch. Conf. 50: 639-642.
- Gu, M., C. Rom, J. Robbins. 2006. Acclimation to Prolonged Water Deficit in Four Birch Taxa: Gas Exchange and Growth. SNA Rsch. Conf. 50: 589-592.
- Karcher, D.E., M.D. Richardson, J. W. Landreth, and J. H. McCalla. 2006. Variety selection affects bermudagrass and zoysiagrass divot recovery time. Golf Course Management 74(12):83-87.
- Kuehny, J., M. Evans, T. Cavins., R. Harkess, and L. Greer. 2006. Virtual field trips: a supplement for teaching greenhouse management. Proceedings 27<sup>th</sup> Int. Horticulture Congress. August 13 – 19, 2006.
- McAfee, J. and C.R. Rom. 2006. Effects of sulfur compounds on CO<sub>2</sub> assimilation, evapotranspiration, and stomatal conductance of apple. HortSci. 41: 1032.
- McAfee, J., K. Harper, H. Friedrich, and C. R. Rom 2006. Using Volunteers to assist with Fruit Research. Proceedings of the 25<sup>th</sup> Arkansas-Oklahoma Horticulture Industries Show, p. 41-43.
- Perkins Veazie, P. and J.R. Clark. 2006. Development of a simple system for blackberry shelflife evaluation. The Bramble 21(3): 14-15.
- Rainey, R. and J. Robbins. 2006. Demographics and Characteristics of Arkansas Ornamental Sales and Service Firms. SNA Rsch. Conf. 50: 340-343.
- Rainey, R. and J. Robbins. 2005. Partial Return Analysis of Liner Size on Field Shade Tree Profitability. SNA Rsch. Conf. 50: 311-313.
- Richardson, M. D., J. W. Boyd, D. E. Karcher, J. H. McCalla, and J. W. Landreth. 2006. Herbicide Trials Show Mostly Short-term Injury to Bermudagrass Seedlings. Turfgrass Trends (Nov. Issue).
- Richardson, M. D., J. W. Boyd, D. E. Karcher, J. H. McCalla, and J. W. Landreth. 2006. Choosing appropriate herbicides for establishing bermudagrass from seed. USGA Turfgrass and

Environmental Research Online 5(3): 1-9 (posted 7/1/2004 at <http://usgatero.msu.edu/v05/n03.pdf>).

Robbins, J. 2006. Starting a wholesale nursery: Diversification through alternative enterprises. AAES Rsch. Series 539: 73-74.

Robbins, J. 2006. Japanese Barberry. Arkansas Gardener. 6(5):42.

Robbins, J. 2006. Japanese Holly. Arkansas Gardener. 6(4): 42.

Robbins, J. 2006. Know Your Fertilizer Alternatives. Nursery Management and Production. 22(3): 44-46.

Robbins, J. 2006. Cranberrybush Viburnum. Arkansas Gardener. 6(3): 42.

Robbins, J. 2006. Japanese Ternstroemia. Arkansas Gardener. 6(2): 42.

Robbins, J. 2006. Arizona Cypress. Arkansas Gardener. 6(1): 42.

Robbins, J. 2005. Thorny Elaeagnus. Arkansas Gardener. 5(9): 42.

Robbins, J. 2006. Butterfly Bush. Arkansas Gardener. 6(6): 42.

Robbins, J. 2005. Laurel and Hardy. Arkansas Gardener. 5(8):42.

Robbins, J. 2006. Chinese Holly. Arkansas Gardener. 6(8): 42.

Robbins, J. 2006. 'Gold Dust' Aucuba. Arkansas Gardener. 6(9): 42.

Rom, C.R. and H. Friedrich. 2006. Organic Fruit Production in the South: Is it a lost cause? HortSci. 41: 949.

Rom, C.R. and J. McAfee. 2006. Tree Fruit Crop Load Management; An update of current practices and new research. Proceedings of the 25<sup>th</sup> Arkansas-Oklahoma Horticulture Industries Show, p. 51-53.

Sambo, P. F. Sannazzaro and M. Evans. 2006. Effect of root substrates and nutrient solution electrical conductivity on tomato transplant characteristics. HortScience 41(4):982.

Shaver, B., M. Richardson, J. McCalla, D. Karcher, and P. Berger. 2006. Dormant seeding: a new option for establishing bermudagrass. Golf Course Management 74(10):93-95.

Stafne, E.T. and J.R. Clark. 2006. Japanese beetle damage on five blueberry cultivars: Potential ramifications for Oklahoma and Arkansas. Proc. Ark. Okla. Hort. Indust. Show.

Strik, B., C. Finn, J.R. Clark, and P. Banados. 2006. Worldwide production of blackberries. The Bramble 21(3):8, 9-11.

### **Human Environmental Sciences**

Bailey, W.C. 2006. "Financial counselor as change agent." Proceedings of the Conference Toward Excellence in Education and Counseling. Sponsored by the Foundation for Credit Education of St. Louis, MO. Baltimore, MD.

Mobley, C., and W.C. Bailey. 2006. "The relationships between satisfaction with business administration education, work satisfaction, and stress among retail managers." Proceedings of American Collegiate Retailing Association. Springdale, AR.

Hodgson, T., and F.L. Farmer. 2006. "Annotated sources of social and environmental data sets for Arkansas." Electronic publication available at [http://ruralsoc.uark.edu/reports\\_new.htm#Soc\\_Env\\_Data\\_Sources](http://ruralsoc.uark.edu/reports_new.htm#Soc_Env_Data_Sources).

Nelson, L., etc. 2005-2006. "Fun with finance: the business of pre-schoolers." Beginnings. 3:1-43.

Nelson, L., etc. 2005-2006. "Telling stories linking past, present and future." Beginnings. 4:1-38

Nelson, L., etc. 2006-2007. "Playing with lines, shapes and colors." Beginnings. 1:1-41.

Nelson, L., etc. 2006-2007. "Playing let's pretend." Beginnings. 2:1-39.

Robertson, L.J., K. Keim, and C.A. Taylor. 2006. "The disposition to think critically among freshmen students in human environmental sciences." Proceedings of the 96<sup>th</sup> Annual Meeting and Exposition of the Association of Family and Consumer Sciences. Charlotte, NC.

Wallack, C.J., N.G. Miller, and J.D. Webb. 2006. "Learning styles: not just for lecture anymore." Proceedings from the 22<sup>nd</sup> Annual Conference for the Beginning Design Student. Ames, IA.

Wallack, C.J., J.D. Webb. 2006. "Territory in temporary shelters: media- documented space claiming following Hurricane Katrina." Proceedings from the Environmental Design Research Association 37<sup>th</sup> Annual Meeting. Atlanta, GA.

Webb, J.D., K.H. Smith, and N.G. Miller. 2006. "Using q-sort to evaluate environmental components of home." Proceedings of the Environmental Design Research Association, 37<sup>th</sup> Annual Meeting. Atlanta, GA.

Wallack, C.J., and J.D. Webb. 2006. "Senioritis sufferers: help available." Proceedings of the 2006 Southwest Regional Conference of the Interior Design Educators Conference Council.

Warnock, M.M. 2006. "Summary of nonwovens symposium." Proceedings of the Beltwide Cotton Conference. San Antonio, TX.

Warnock, M.M., and M.D. Doyal. 2006. "Colorfastness properties of reactive and direct dyed cotton and kenaf fibers and cotton/kenaf blended yarns." American Association of Textile Chemists and Colorists. Proceedings of the Annual International Conference and Exhibition of AATCC.

Warnock, M.M., etc. 2006. "Flammability of innovative fabrics for firefighter protective clothing." Proceedings of joint INDA-TAPPI Conference. Houston, TX.

Doyal, M.D., and M.M. Warnock. 2006. "Effects of laundering on colorfastness properties of reactive and direct dyed cotton and kenaf fibers." Proceedings of the Arkansas Association of Family and Consumer Sciences.

Doyal, M.D., and M.M. Warnock. 2006. "Effects of laundering on the colorfastness properties of reactive and direct dyed cotton fibers and cotton/kenaf blended yarns." Arkansas Cotton Research Summaries. Edited by Dr. Derick Oosterhuis.

Doyal, M.D., and M.M. Warnock. 2006. "Colorfastness properties of reactive and direct dyed cotton and kenaf fibers." American Association of Family and Consumer Sciences. Charlotte, NC. <http://www.cwu.edu/~fandcs/fcsea/AAFCS%20abstracts.html>.

Apple, L.M., and M.M. Warnock. 2006. "Utilization of innovative fabrics in redesigning of firefighter protective clothing." American Association of Family and Consumer Sciences, Charlotte, NC. <http://www.cwu.edu/~fandcs/fcsea/AAFCS%20abstracts.html>.

Miller, N.G., G.M. Gentry, and H. Sattar. 2006. "A shifting paradigm: integrating critical thinking with learning styles of the millennium generation." Proceedings of the International Conference of the Interior Design Educators Council. Scottsdale, AZ.

Miller, N.G., H. Sattar, and B. Loewer. 2006. "Success stories or not: service learning best practices." Proceedings of the International Conference of the Environmental Design Research Association. Atlanta, GA.

## **Plant Pathology**

Abbas, H.K., Shier, W.T., Johnson, B.J., Cartwright, R.D., and Dong, Y. 2006. Effect of planting date on aflatoxin and fumonisin contamination in commercial corn hybrids in Arkansas. Proc. 2006 APS Meeting. <http://www.apsnet.org/meetings/2006/abstracts/a06ma07.htm>.

Bae, Chang-Hwan, A.L. Szalanski, and R.T. Robbins. 2006. Intraspecific ITS1 polymorphism in the Columbia lance nematode *Hoplolaimus columbus*. *Journal of Nematology* 8:259-260. (Abstract).

Bary, J., and T.L. Kirkpatrick. 2006. Fusiform Rust in Arkansas. Arkansas Cooperative Extension Service Fact Sheet (FSA7543). Emerging Threat: Soybean Rust on October 24-26 in Quincy, FL. 50 attendees.

Bates, G.D. and Rothrock, C.S. 2006. Efficacy of a high-glucosinolate Indian mustard cover crop for biofumigation of soil to control reniform nematode on cotton. Pages 135-139 in: *Summaries of Arkansas Cotton Research 2005*. D. M. Oosterhuis, ed. Arkansas Agricultural Experiment Station Research Series 543.

Bates, G.D., and Rothrock, C.S. 2006. Use of high glucosinolate Indian mustard cover crops to suppress soilborne pathogens of cotton. *Phytopathology* 96:S10. (Abstract).

Browne, R.A., Murphy, J.P., Cooke, B.M., Devaney, D., Milus, E.A., and Walsh, E.J. 2006. Page 84 in: *Proceedings of the 8<sup>th</sup> Conference of the European Foundation for Plant Pathology and the British Society for Plant Pathology Presidential Meeting 2006*.

Buchanan, M.L., and Rothrock, C.S. 2006. Value of the use of in-furrow fungicides for cotton. Page 65 in: *Proceedings of the 2006 Beltwide Cotton Conferences* <http://www.cotton.org/beltwide/proceedings>.

Cartwright, R.D., Watkins, K.B., Parsons, C.E., Yingling, J., Sutton, E.A., and Wilson, C.E. 2006. Effect of Preventative Fungicide Application on Rice Yield, Milling Quality, and Return. In: *B.R. Wells Rice Research Series 2005*.

Correll, J.C. 2006. Genetic and molecular characterization of *Verticillium dahliae* from spinach and screening for disease resistance. *Phytopathology* 96: S118.

Correll, J.C., Feng, C., Bentley, T. C., Koike, S. T., Irish, B. M., and Morelock, T. E. 2006. Update on downy mildew of spinach in the U.S. and Europe. Overview of races of the downy mildew pathogen on spinach and efforts to develop molecular markers linked to disease resistance loci. *International Spinach Meeting (August)*. Mt. Vernon, WA.

Ditmore, M. and D.O. TeBeest. 2006. Detection of seed-borne *Ustilaginoidea virens* by nested-PCR. *Rice Research Studies 2005*. Ed. R.J. Norman and J.F. Meullenet. Arkansas Agricultural Experiment Station Research Series. Pages 121-126.

Eizenga, G.C., H.A. Agrama, F. N. Lee, W. Yan, and Y. Jia. 2006. Twelve Rice Germplasm Accessions Identified with Novel Blast Resistance for U.S. Rice Variety Improvement. In: Norman, R. J., Meullenet, J.-F., and Moldenhauer, K.A.K. (eds.). *B.R. Wells Rice Research Studies 2005*. Univ. of Arkansas Agric. Exp. Stn. Res. Ser. 540 p 53-62.

Emerson, M.E., Cartwright, R.D., Coker, C.M., Parsons, C.E., Yingling, J.A., and Long, J.R. 2006. Evaluation of selected foliar fungicides for control of Asian soybean rust and other foliar diseases, 2006-1. Fungicide Test Report.

Emerson, M.E., Cartwright, R.D., Coker, C.M., Parsons, C.E., Yingling, J.A., and Long, J.R. 2006. Evaluation of selected foliar fungicides for control of Asian soybean rust and other foliar diseases, 2006-2. Fungicide Test Report.

Emerson, M.E., Cartwright, R.D., Parsons, C.E., Yingling, J.A. and Kelley, J. 2006. Evaluation of foliar fungicides for control of leaf rust on different wheat cultivars. Fungicide Test Report.

Emerson, M.E., Cartwright, R.D., Parsons, C.E., Yingling, J.A. and Kelley, J. 2006. Evaluation of foliar fungicides for control of stripe rust on wheat. Fungicide Test Report.

Emerson, M.E., Markell, S. and Barham, J.D., Cartwright, R.D. 2006. Evaluation of wheat cultivars for reaction to powdery mildew disease. Breeding Test Report.

Evans, M.R., Krumpelman, B. W., Sealy, R., and Rothrock, C.S. 2006. The effect on substrate silica incorporation on post-germination damping off of vinca. Annual meeting of the American Society for Horticultural Science. Jul 27-30, New Orleans.

Evans, M.R., Krumpelman, B.W., Sealy, R., and Rothrock, C.S. 2006. The effect on substrate silica incorporation on post-germination damping off of vinca. HortScience 41:979. (Abstract).

Feng, C., J.C. Correll, E.J. Boza, and F. N. Lee. 2006. Screening Uniform Rice Regional Nursery Lines for Resistance to Rice Blast Pathogen *Magnaporthe oryzae*. In: Norman, R. J., Meullenet, J.-F, and Moldenhauer, K.A.K. (eds.). B.R. Wells Rice Research Studies 2005. Univ. of Arkansas Agric. Exp. Stn. Res. Ser. 540 p 126-132.

Giammaria, S., Atallah, Z.K., Stevenson, W.R., and Rupe, J. 2006. Sequence Analysis and Pathogenic Characterization of *Fusarium* spp. Associated with Sudden Death Syndrome of Soybean Agron. Abstract (online). American Society of Agronomy, Madison, WI (1319b).

Giammaria, S., Shi, A., Rupe, J., and Chen, P. 2006. Genetic analysis of the resistance to sudden death syndrome in Hartwig soybean. Agron. Abstract (online). American Society of Agronomy, Madison, WI (1320a).

Giammaria, S.L., and Rupe, J.C. 2006 Effect of field resistance to the soybean cyst nematode on soybean sudden death syndrome development and yield components. Southern Division APS, [www.apsnet.org.library.uark.edu/meetings/div/so06abs.asp](http://www.apsnet.org.library.uark.edu/meetings/div/so06abs.asp).

Gibbons, J.W., K.A.K. Moldenhauer, F. N. Lee, J.L. Bernhardt, M.M. Anders, N.A. Slaton, R.J. Norman, J.N. Rutger, J.M. Bulloch, K. Taylor, and M.M. Blocker. 2006. Development of Semi-

Dwarf Long- and Medium-Grain Cultivars. In: Norman, R. J., Meullenet, J.-F., and Moldenhauer, K.A.K. (eds.). B.R. Wells Rice Research Studies 2005. Univ. of Arkansas Agric. Exp. Stn. Res. Ser. 540 p 71-76.

Horevaj, P. and Milus, E.A. 2006. Evaluation of soft red winter wheat lines for resistance to mycotoxins and kernel infection. Pages 99 to 102 in: Proceedings of the 2006 National Fusarium Head Blight Forum.

Kelley, J.P., Sheets, S., Reaper, T., Cordell, M., Bacon, R., Kelly, J., Milus, E.A., Emerson, M., Cartwright, R., and Parsons, C. 2006. Wheat Update 2006: Arkansas wheat performance trials and variety selection for 2006. Univ. of Ark. Coop. Ext. Serv. Pub. 17 pages.

Kirkpatrick, T.L., W.S. Monfort, A.H. Khalilian, and J.D. Mueller. 2006. Site-specific nematicide application on the farm: Problems and progress. 38<sup>th</sup> Annual Meeting of the Organization of Tropical Americas (ONTA). June 26-30. San Jose, Costa Rica. Nematropica. (Abstract).

Kirkpatrick, W.D., R.J. Bateman, J.D., and T.L. Kirkpatrick. 2006. Dynamics of *Rotylenchulus reniformis* Populations in Cotton Monoculture and in Crop Rotations with Corn and Rice. Proceedings of the 2006 Beltwide Cotton Conferences. January 3-6. San Antonio, TX.

Korth, K.L. (2006) Education and Outreach Efforts of the Rice Coordinated Agriculture Project – RICECAP. Abstracts of the annual meeting of American Society of Plant Biologists.

Korth, K.L. 2006. Education and Outreach Efforts of the Rice Coordinated Agriculture Project – RICECAP. Poster presentation at annual meeting of American Society of Plant Biologists, Boston, MA.

Korth, K.L., S.K. Gomez, J. Bede, Qin Wang, A. More, W. Navia. 2006. Regulation of terpene biosynthesis-related genes in *Medicago truncatula* responses to insect feeding. Poster presentation at annual meeting of American Society of Plant Biologists, Boston, MA.

Korth, K.L., 2006. “Transgenic Material Found Unexpectedly in U.S. Grown Rice”, RiceCAP Newsletter.

Korth, K.L., S.K. Gomez, J. Bede, Qin Wang, A. More, W. Navia (2006) Regulation of terpene biosynthesis-related genes in *Medicago truncatula* responses to insect feeding. Abstracts of the annual meeting of American Society of Plant Biologists.

Lee, F.N., Cartwright, R.D., Wilson, C.E. and Moldenhauer, K.A.K. 2006. Historical use of field resistance to control rice blast in Arkansas. Proc. 2006 APS Meeting <http://www.apsnet.org/meetings/2006/abstracts/a06ma424.htm>.

Lee, F.N., R.D. Cartwright, C.E. Wilson, Jr., and K.A.K. Moldenhauer. 2006. Historical Use of Field Resistance to Control Rice Blast Disease in Arkansas. In: Norman, R. J., Meullenet, J.-F, and Moldenhauer, K.A.K. (eds.). B.R. Wells Rice Research Studies 2006. Univ. of Arkansas Agric. Exp. Stn. Res. Ser. 540 p 133-137.

Markell, S., Milus, E.A., and Cartwright, R. 2006. Fungal leaf-spotting diseases of wheat: Septoria blotch, Stagonospora blotch, and tan spot. Univ. of Ark. CES FSA 7544. 4 pages. Markell, S., Milus, E.A., Cartwright, R., and Hedge, J. 2006. Rust diseases of wheat. Univ. of Ark. CES FSA 7547. 4 pages.

Markell, S.G., and Milus, E.A. 2006. Molecular and virulence differentiation between populations of *Puccinia striiformis* f. sp. *tritici* in the south-central United States. *Phytopathology* 96:(Supplement) S73. (Abstract).

Melgar, M.O., C.P. West, R.T. Robbins, T.L. Kirkpatrick, and D. Fishe. 2006. Endophyte Strain Effects on Soil-Borne Nematode Populations and Tall Fescue Host Suitability. *Agronomy Journal*. (Abstract).

Milus, E.A., Hovmoller, M.S., and Justesen, A. 2006. Aggressiveness of *Puccinia striiformis* f. sp. *tritici* isolates, relationship to pathotype and AFLP fingerprint group, and implications for durable resistance. Page 34 in: Proceedings of the 8<sup>th</sup> Conference of the European Foundation for Plant Pathology and the British Society for Plant Pathology Presidential Meeting 2006.

Moldenhauer, K.A.K., J.W. Gibbons, F. N. Lee, C.E. Wilson, Jr., J.L. Bernhardt, M.A. Anders, R.D. Cartwright, R.J. Norman, R. Bryant, J.N. Rutger, M.M. Blocker, V.A. Boyett, A. Griffith, J.M. Bulloch, and K. Taylor. 2006. Breeding and Evaluation for Improved Rice Varieties - the Arkansas Rice Breeding and Development Program. In: Norman, R. J., Meullenet, J.-F, and Moldenhauer, K.A.K. (eds.). B.R. Wells Rice Research Studies 2006. Univ. of Arkansas Agric. Exp. Stn. Res. Ser. 540 p 87-93.

More, A.B., and K.L. Korth. 2006. Insect- and pathogen-defense signaling pathway interactions in *Medicago truncatula*. Poster presentation at annual meeting of American Phytopathological Society, Quebec City, Canada.

More, A.B., and Korth, K.L. (2006) Plant defense signaling and pathway interactions in *Medicago truncatula*. *Phytopathology* 96:S81. (Abstract).

Parsons, C.E., Yingling, J.A., Parsons, C.E., Sutton, E.A., Carroll, A.G., Smith, S., Emerson, M.E., and Cartwright, R.D. 2006. Effect of seed treatment fungicides on stand and yield of rice. Fungicide Test Report.

Parsons, C.E., Yingling, J.A., Parsons, C.E., Sutton, E.A., Carroll, A.G., Smith, S., Emerson, M.E., and Cartwright, R.D. 2006. Effect of fungicide treatment on yield of 16 rice cultivars. Fungicide Test Report.

Parsons, C.E., Yingling, J.A., Sutton, E.A., Carroll, A.G., Smith, S., Emerson, M.E., and Cartwright, R.D. 2006. Effect of novel fungicides on sheath blight and yield of CL 131, Cheniere, and Cybonnet rice cultivars. Fungicide Test Report.

Robbins, R.T., 2006. A preliminary examination of two undescribed longidorids from the USA *Journal of Nematology* 38:289. (Abstract).

Robbins, R.T., A review of reniform nematode resistance on soybean. 2006. Proceedings of the Southern Soybean Disease Workers. Page 19.

Robbins, R.T., L. Rakes, L.E. Jackson, E.E. Gbur, D.G. Dombek, P. Chen, E. Shipe and G. Shannon. 2006. Reniform nematode reproduction on soybean cultivars and breeding lines in 2005 tests. Proceedings of the Beltwide Cotton Conferences, San Antonio, 46-59.

Rosso, M.L., Rupe, J.C., Martin, F. N., and Rothrock, C.C. 2006. Molecular identification of *Pythium* spp. isolated from soybean fields in Arkansas. *Phytopathology* 96:S100. (Abstract).

Rosso, M.L., Rupe, J.C., Martin, F.N., and Rothrock, C.S. 2006. Molecular identification of *Pythium* spp. isolated from soybean fields in Arkansas. *Phytopathology* 96:S100. (Abstract).

Rosso, M.L., Rupe, J.C., Martin, F.N., and Rothrock, C.S. 2006. Molecular identification of *Pythium* spp. isolated from soybean fields in Arkansas. Annual meeting of the American Phytopathological Society, July 29-August 2, Quebec City, Canada.

Rothrock, C.S., R.L. Sealy, F. N. Lee, J. Gibbons, and R.D. Cartwright. 2006. Relationship of Cold-Tolerance and *Pythium* Resistance to Rice Stand Establishment. In: Norman, R. J., Meullenet, J.-F, and Moldenhauer, K.A.K. (eds.). B.R. Wells Rice Research Studies 2005. Univ. of Arkansas Agric. Exp. Stn. Res. Ser. 540 p 138-142.

Rothrock, C.S., Sealy, R., Lee, F. N., Gibbons, J., and Cartwright R. 2006. Identification of *Pythium* resistant cold-tolerant rice germplasm through controlled environmental and field evaluations. Pages 108-109 in: 31<sup>st</sup> Rice Technical Working Group Meeting Proceedings.

Rothrock, C.S., Sealy, R.L., Lee, F.N., Gibbons, J., and Cartwright, R.D. 2006. Relationship of cold-tolerance and *Pythium* resistance to rice stand establishment. Pages 138-142 in: Rice Research Studies 2005. R. J. Norman, J. F. Meullenet, and K. A. K. Moldenhauer, eds. Arkansas Agricultural Experiment Station Research Series 540.

Rupe, J.C. Wigglesworth, M.D., Smith, S., and Wickizer, S. 2006. Asian soybean rust: Syngenta spore trap project. Southern Division of APS.  
[www.apsnet.org.library.uark.edu/meetings/div/so06abs.asp](http://www.apsnet.org.library.uark.edu/meetings/div/so06abs.asp).

Schroud, P., and D.O. TeBeest. 2006. Germination and infection of rice roots by spores of *Ustilagoidea virens*. 2005. Ed. R.J. Norman and J.F. Meullenet. Arkansas Agricultural Experiment Station Research Series. Pages 143-151.

Singh, P., Y. Jia, E.J. Boza, J.C. Correll, and F. N. Lee. 2006. Development of a Molecular Marker from the Rice Blast Avirulence Gene AVR-Pita for Surveillance of Durable Rice Blast Resistance Conferred by Pi-ta in Arkansas. In: Norman, R. J., Meullenet, J.-F, and Moldenhauer, K.A.K. (eds.). B.R. Wells Rice Research Studies 2005. Univ. of Arkansas Agric. Exp. Stn. Res. Ser. 540 p 152-159.

Smith, S., and Cartwright, R. D. Plant Health Clinic Newsletter. 15 issues. (NEW).

Still, J.A. and T.L. Kirkpatrick. 2006. Ecology and over-wintering ability of *Rotylenchulus* reinforms on cotton in Arkansas. Annual Meeting, of the Society of Nematologists. June 12-16. Kauai, HI. (Abstract).

Still, J.A., M.A.C. Penteado, and T. L. Kirkpatrick. 2006. Impact of Early Seedling Infection by the Root-knot Nematode on Cotton Growth, Development, and Yield. Proceedings of the 2006 Beltwide Cotton Conferences. January 3-6. San Antonio, TX.

Sutton, E.A., Parsons, C.E., Yingling, J.A., Wilson, C.E., Norman, R.J., Frizzell, D., and Cartwright, R.D. 2006. Effect of nitrogen rate and timing on bacterial panicle blight and yield of 'Bengal' rice. Fungicide Test Report.

Taylor, J.H., and Rothrock, C.S. 2006. Influence of cultural practices and the environment on pod rot incidence in green beans in the mid-south. *Phytopathology* 96:S113. (Abstract).

Taylor, J.H., and Rothrock, C.S. 2006. Influence of cultural practices and the environment on pod rot incidence in green beans in the mid-south. Annual meeting of the American Phytopathological Society, July 29-August 2, Quebec City, Canada.

Thomas, A.C., and T.L. Kirkpatrick. 2006. The influence of corn on *Meloidogyne incognita* population dynamics. Annual Meeting, of the Society of Nematologists. June 12-16. Kauai, HI. *Journal of Nematology*. (Abstract).

Tomlinson, A. N., Correll, J. C., Feng, C., and Irish, B. M. 2006. Genetic mapping and identification of genes for important traits using a genomic library. *Phytopathology* 96: S115.

Wilson, C. and Cartwright, R. D. Arkansas Rice. April – August. Weekly Issues.

Wilson, C.E. (editor). Rice Info Sheet 154 Arkansas Rice Performance Trials 2004-2006. Cartwright, R. D.

Wilson, G., J.D. Barham, R.J. Bateman, and T.L. Kirkpatrick. 2006. Assessment of Field Tolerance to Root-knot Nematodes in Eight Cotton Cultivars. Proceedings of the 2006 Beltwide Cotton Conferences. January 3-6. San Antonio, TX.

Winters, S. A., and Rothrock, C. S. 2006. Results from the national cottonseed treatment program for 2005. 2006 Beltwide Cotton Conferences, Jan 3-6, San Antonio.

Winters, S.A., and Rothrock, C.S. 2006. Results from the national cottonseed treatment program for 2005. Pages 72-79 in: Proceedings of the 2006 Beltwide Cotton Conferences <http://www.cotton.org/beltwide/proceedings>.

Yingling, J.A., Parsons, C.E., Sutton, E.A., Carroll, A.G., Smith, S., Emerson, M.E., and Cartwright, R.D. 2006. Evaluation of the URRN for reaction to bacterial panicle blight and sheath blight diseases. Rice Breeding Test Report.

Yingling, J.A., Parsons, C.E., Sutton, E.A., Carroll, A.G., Smith, S., Emerson, M.E., and Cartwright, R.D. 2006. Evaluation of the URRN for reaction to blast, false smut, black sheath rot and narrow brown leaf spot diseases. Rice Breeding Test Report.

Yingling, J.A., Parsons, C.E., Sutton, E.A., Carroll, A.G., Smith, S., Emerson, M.E., and Cartwright, R.D. 2006. Evaluation of rice disease monitoring sites for reaction to various foliar diseases. Rice Breeding Test Report.

Yingling, J.A., Parsons, C.E., Sutton, E.A., Carroll, A.G., Smith, S., Emerson, M.E., and Cartwright, R.D. 2006. Evaluation of rice cultivars in grower field nurseries for disease reaction. B.R. Wells Rice Research Series Reports 2006.

Yingling, J.A., Parsons, C.E., Sutton, E.A., Carroll, A.G., Smith, S., Emerson, M.E., and Cartwright, R.D. 2006. Effect of plant growth regulators on standability and yield of Koshihikari rice. Fungicide Test Report.

## **Poultry Science**

Spanakos, M. V., H. O. Pavlidis, S. M. Sullivan, L. K. Stamps, R. Kopulos, G. G. Erf, and N.B. Anthony, 2006. Effects of the Rfp-Y gene complex on the development of rous sarcoma tumors in the Arkansas progressor and regressor chicken line. Poultr. Sci. (Suppl. 1) 85: 37.

A. Swaffar, R. K. Bramwell, D. E. Yoho, Effects of heavy or light body weight broiler breeder hens on reproductive characteristics and hatchability. Department of Poultry Science, The

University of Arkansas, Fayetteville, Arkansas. Presented at the International SPSS meetings, Atlanta, GA, January, 2006.

Chapman, H. D. 2006. Guidelines for coccidiosis vaccines (pages 14-19). In: Cocciforum, Number 12, Published by Schering-Plough Animal Health Corp.

Chapman, H. D. 2006. Safety and toxicity of polyether ionophores in poultry. In: FeatherData, An Update of recent poultry research (8 pages). Published by ALPharma Animal Health, Fort Lee, NJ.

Chapman, H. D. 2006. Effect of shuttle programs upon performance and immunity to coccidiosis in broilers. In: FeatherData, An Update of recent poultry research. Published by ALPharma Animal Health, Fort Lee, NJ.

Chapman, H. D. 2006. Robenz Technical Bulletin. In: FeatherData, An Update of recent poultry research. Published by ALPharma Animal Health, Fort Lee, NJ.

Chapman, H. D. 2006. The importance of rotation programs for the control of coccidiosis in poultry. International Poultry Production.

M K. Manangi and C. N. Coon. 2006. Calcium particle size effects on excreta, and urinary Ca and P changes in broiler breeder hens. Poult. Sci. 85: Supplement 1, p30.

M. de Beer, C.N. Coon, R.W. Rosebrough, B.A. Russel, S.M. Poch, and M.P. Richards. 2006. An examination of the role of feeding regimens in regulating metabolism during the broiler breeder grower period. Poult. Sci. 85: Supplement 1, p88.

M.K. Manangi and C.N. Coon. 2006. Effects of varied levels of dietary nonphytate P and Ca on P excretion and relationship between plasma inorganic P and urinary excretion of P in broilers. Poult. Sci. 85: Supplement 1, p92.

M.K. Manangi, F.D. Clark, and C.N. Coon. 2006. Improved colostomy technique and excrement collection device for broilers and broiler breeder hens. Poult. Sci. 85: Supplement 1, p125.

M.de Beer and C.N. Coon. 2006. The amino acid requirements for production and fertility of broiler breeder hens at peak production. Poult. Sci. 85: Supplement 1, p126.

M de Beer and C.N. Coon. 2006. The effect of dietary L-carnitine on production and metabolism of broiler breeder hens reared using everyday or skip-a-day feed restriction programs. Poult. Sci. 85: Supplement 1, p131.

J.W. Lu and C.N. Coon. 2006. The effect of vitamins supplementation on broiler breeder performance, hatchability, and methionine metabolism in 18 day-old chick embryos. Poult. Sci. 85: Supplement 1, p65.

M.K. Manangi and C.N. Coon. 2006. The effect of calcium carbonate particle size and solubility on the utilization of phosphorus from phytase for broilers. *Poult. Sci.* 85: Supplement 1, p 110.

D.E. Yoho, R.K. Bramwell, C.N. Coon, and C. Wiernusz. 2006. Feeding broiler breeder hens into a second production cycle following forced molting. *Poult. Sci.* 85: Supplement 1, p157.

M.K. Manangi, F.D. Clark, and C.N. Coon. Improved colostomy technique and excrement collection device for broilers and broiler breeder hens. *Poult. Sci.* 85(Suppl. 1):125. 2006.

Manangi, M. and C.N. Coon. 2006. Phosphorus utilization and environmental concerns. Proceedings of 4th Mid-Atlantic Nutrition Conference. P 1-19. Timonium, Maryland.

Coon, C., M. de Beer, M. Manangi, J. Lu, M. Reyes, K. Bramwell, J.M. Sun, N. Sakomura, B. Rosebrough, M. Richards, and J. McMurtry. 2006. Broiler breeder nutrition. Proceedings for Arkansas Nutrition Conference. P1-24. Rogers, Arkansas.

Coon, C. 2006. Nutrient requirement of laying hens. Centro Latinoamericano De Nutrición animal-Lance. Curso de Actualización en Nutrición Avícola. American Soybean Association Proceedings. P1-87. San José, Costa Rica.

Coon, C. 2006. Optimizing ingredient utilization through a better understanding of amino acid bioavailability. Centro Latinoamericano De Nutrición animal-Lance. Curso de Actualización Nutrición Avícola. American Soybean Association Proceedings. P1-30. San José, Costa Rica.

Coon, C. 2006. The development of a chick retention bioassay for evaluating phosphorus sources and determining requirements. Centro Latinoamericano De Nutrición animal-Lance. Curso de Actualización en Nutrición Avícola. American Soybean Association Proceedings. P1-15. San José, Costa Rica.

Coon, C. 2006. The present and future utilization of biotechnology in the feed industry. Centro Latinoamericano De Nutrición animal-Lance. Curso de Actualización en Nutrición Avícola. American Soybean Association Proceedings. P1-20. San José, Costa Rica.

Coon, C. 2006. The digestible amino acid requirement of broilers for maintenance and gain. Centro Latinoamericano De Nutrición animal-Lance. Curso de Actualización en Nutrición Avícola. American Soybean Association Proceedings. P1-16. San José, Costa Rica.

Coon, C. 2006. The amino acid requirement of broilers, layers, and broiler breeders. Proceedings for Russia Feed and Nutrition Conference. P1-34. Samara, Russia.

Coon, C. 2006. The digestible ideal amino acid requirements for broilers, layers and broiler breeders. American Soybean Association Proceedings. P1-18. Izmir, Turkey.

Coon, C. 2006. The calcium requirements of commercial layers. American Soybean Association Proceedings. P1-5, Izmir, Turkey.

- Coon, C. 2006. Modeling layer requirements for nutrients. American Soybean Association Proceedings. P1-11, Izmir, Turkey.
- Coon, C. 2006. The digestible ideal amino acid requirements for broilers, layers and broiler breeders. American Soybean Association Proceedings. P1-18. Cairo, Egypt.
- Coon, C. 2006. The calcium requirements of commercial layers. American Soybean Association Proceedings. P1-5, Cairo, Egypt.
- Coon, C. 2006. Modeling layer requirements for nutrients. American Soybean Association Proceedings. P1-11, Cairo, Egypt.
- Coon, C. The ideal amino acid requirement of broilers, layers, and broiler breeders. St. Petersburg Feed and Nutrition Conference, St. Petersburg, Russia. October 2, 2006.
- Coon, C. The structure of the broiler industry in the U.S. St. Petersburg Feed and Nutrition Conference, St. Petersburg, Russia. October 3, 2006.
- Coon, C. Corn and corn co-products for poultry. St. Petersburg Feed and Nutrition Conference, St. Petersburg, Russia. October 4, 2006.
- de los Santos, F.S., M.B. Farnell, A.M. Donoghue, G.R. Huff, H.E. Huff, N.C. Rath and D.J. Donoghue (2006). Yeast extract (alphamune™) supplementation enhances early gut development in turkey poults. *Poult. Sci.* 85:146-147.
- Hargis, B.M., Farnell, M.B., Donoghue, A.M., Solis de los Santos, F., Blore, P.J., Tellez G. and Donoghue, D. J. 2006. Stimulation of mucosal immunity with probiotics. Arkansas Bioscience Institute Annual Meeting.
- de los Santos, F.S., M.B. Farnell, A.M. Donoghue, G.R. Huff, H.E. Huff, N.C. Rath and D.J. Donoghue (2006). Gastrointestinal maturation is accelerated in turkey poults supplemented with a mannan-oligosaccharide yeast extract (Alphamune™). *Poult. Sci.* 85:75.
- Donoghue, D.J., M.B. Farnell, K. Cole, I. Reyes-Herrera, P.J. Blore and A.M. Donoghue (2006). Ciprofloxacin resistance of *Campylobacter* isolated from broiler gastrointestinal tracts. Food Safety Consortium. Fayetteville AR, CDrom.
- de los Santos, F.S., M.B. Farnell, A.M. Donoghue, G.R. Huff, W.E. Huff, N.C. Rath and D.J. Donoghue (2006). Mannan-oligosaccharide yeast extract accelerates gastrointestinal maturation in turkey poults. Food Safety Consortium. Fayetteville AR, CDrom.
- Reyes-Herrera, I., K. Cole, M.B. Farnell, P.J. Blore and D.J. Donoghue (2006). Incorporation of antibiotic residues within different sections of breast muscle tissues of broiler chickens. Food Safety Consortium. Fayetteville AR, CDrom.

Dirain, M.L., F. Solis de los Santos, P.J. Blore, K. Cole, I. Reyes-Herrera and D.J. Donoghue (2006). Litter Alum treatment reduces *Campylobacter* colonization in the ceca of broilers. Food Safety Consortium. Fayetteville AR, CDrom.

Donoghue, D.J., N.J. Stern, A.M. Donoghue and M.B. Farnell (2006). Preharvest intervention with bacteriocins: reducing the incidence of *Campylobacter* in poultry. Progress report. Food Safety Consortium. Fayetteville AR, CDrom.

de los Santos, F.S., M.B. Farnell, A.M. Donoghue, G.R. Huff, H.E. Huff, N.C. Rath and D.J. Donoghue (2006). Yeast extract (alphamune™) supplementation enhances early gut development in turkey poults. *Poult. Sci.* 85:146-147.

Hargis, B.M., Farnell, M.B., Donoghue, A.M., Solis de los Santos, F., Blore, P.J., Tellez G. and Donoghue, D. J. 2006. Stimulation of mucosal immunity with probiotics. Arkansas Bioscience Institute Annual Meeting.

de los Santos, F.S., M.B. Farnell, A.M. Donoghue, G.R. Huff, H.E. Huff, N.C. Rath and D.J. Donoghue (2006). Gastrointestinal maturation is accelerated in turkey poults supplemented with a mannan-oligosaccharide yeast extract (Alphamune™). *Poult. Sci.* 85:75.

Donoghue, D.J., M.B. Farnell, K. Cole, I. Reyes-Herrera, P.J. Blore and A.M. Donoghue (2006). Ciprofloxacin resistance of *Campylobacter* isolated from broiler gastrointestinal tracts. Food Safety Consortium. Fayetteville AR, CDrom.

de los Santos, F.S., M.B. Farnell, A.M. Donoghue, G.R. Huff, W.E. Huff, N.C. Rath and D.J. Donoghue (2006). Mannan-oligosaccharide yeast extract accelerates gastrointestinal maturation in turkey poults. Food Safety Consortium. Fayetteville AR, CDrom.

Reyes-Herrera, I., K. Cole, M.B. Farnell, P.J. Blore and D.J. Donoghue (2006). Incorporation of antibiotic residues within different sections of breast muscle tissues of broiler chickens. Food Safety Consortium. Fayetteville AR, CDrom.

Brewer, V. B., T. O'Connor-Dennie, and J. L. Emmert. 2006. Phase-feeding during the grower and finisher periods: impact of calcium and phosphorus. *Poult. Sci.* 85: (1):29.

O'Connor-Dennie, T., and J. L. Emmert. 2006. Incorporation of wheat-middlings, citric acid, and phytase in a corn soybean meal diet: effects on phosphorus utilization and growth in the grower and finisher phases. *Poult. Sci.* 85: (Suppl. 1):90. (Abstr.).

O'Connor-Dennie, T., and J. L. Emmert. 2006. Impact of wheat-middlings, citric acid, and phytase on phosphorus utilization and growth performance of broiler chicks in the starter phase. *Poult. Sci.* 85: (Suppl. 1):108. (Abstr.).

Fanatico, A. C., P. B. Pillai, T. O'Connor-Dennie, and J. L. Emmert. 2006. Methionine requirements of alternative slow-growing genotypes. *Poult. Sci.* 85: (Suppl. 1):110.

- Brewer, V. B., P. B. Pillai, A. Saha, C. M. Owens, J. F. Meullenet, and J. L. Emmert. 2006. Phase-feeding in broilers: impact on breast fillet dimension, cook loss and tenderness. *Poult. Sci.* 85 (Suppl. 1):161.
- Fanatico, A. C., P. B. Pillai, J. L. Emmert, J. F. Meullenet, and C. M. Owens. 2006. Impact of alternative broiler genotype and production system on sensory attributes. *Poult. Sci.* 85 (Suppl. 1):198. (Abstr.).
- Brewer, V. B., P. B. Pillai, T. O'Connor-Dennie, and J. L. Emmert. 2006. Phase-feeding during the grower and finisher phases: impact on growth, uniformity, and production cost. *Poult. Sci.* 85 (Suppl. 1):205. (Abstr.).
- Erf, G. F. 2006. Animal model for autoimmune vitiligo: the Smyth line chicken. *Vitiligo Bulletin*, a publication of the National Vitiligo Foundation, Spring: pp 6&10.
- Plumlee, B. L., X. Wang, and G. F. Erf. 2006. Interferon-gamma expression in feathers from vitiliginous Smyth line chickens. *J. Immunol.* 176:S283.
- Flórez-Díaz, H., E. B. Kegley, G. F. Erf, D. L. Kreider, K. P. Coffey, J. K. Apple, and N. D. Luchini. 2006. Effects of rumen-protected Ca salts of conjugated linoleic acid (CLA) and previous rate of gain on growth performance, immune function, lipid metabolism, and carcass characteristics of feedlot cattle. *Nat ASAS*.
- Flórez-Díaz, H., E. B. Kegley, G. F. Erf, D. L. Kreider, K. P. Coffey, N. D. Luchini, and S. L. Krumpelman. 2006. Influence of rate of growth and rumen-protected Ca salts of conjugated linoleic acid (CLA) on growth performance, immune function, and lipid metabolism of growing cattle. *Nat ASAS*.
- Spanakos, M., H.O. Pavlidis, S. M. Sullivan, L.K. Stamps, R. Kopulos, G. F. Erf, and N. B. Anthony. 2006. Effects of the Rfp-Y gene complex on the development of Rous sarcoma tumors in Arkansas Progressor and Regressor chicken lines. *Poult. Sci.* 85(1):37.
- Bowen, O. T., G. F. Erf, M. E. Chapman, and R. F. Wideman, Jr. 2006. Plasma nitric oxide concentrations in broilers after i.v. injections of lipopolysaccharide or microparticles. *Poult. Sci.* 85 (Suppl.1):37. (award winning paper).
- Hamal, K. R., R. F. Wideman, Jr., B. L. Plumlee, and G. F. Erf. 2006. Time-course of expression of inducible nitric oxide synthase in lungs following intravenous cellulose microparticle injection in three broiler lines. *Poult. Sci.* 85 (Suppl.1):37.
- Higgins S.E., J. P. Higgins, G. F. Erf, A. D. Wolfenden, S. N. Henderson, G. Tellez and B. M. Hargis Enumeration of macrophages in the cecae following challenge with *Salmonella enteritidis* and treatment with a probiotic culture. *Poult. Sci.* 85 (Suppl.1):37.
- Erf, G. F. 2006. Smyth line chicken autoimmune vitiligo model revisited. *Pigment Cell Res.* 19:370-371.

Plumlee, B. L., and G. F. Erf. 2006. Differential cytokine expression in feathers from vitiliginous Smyth line chickens. *Pigment Cell Res.*19:371.

Tinsley, N. B., K. Lassiter, and G.F. Erf . 2006. Protein expression by melanocytes derived from autoimmune vitiligo-prone Smyth line and control chickens. *Pigment Cell Res.* 19:375.

Plumlee, B. L., and G. F. Erf. 2006. Differential cytokine expression in feathers during active autoimmune Smyth line vitiligo. Avian Immunology Research Group Meeting, Paris, France, October 21-24.

Erf, G. F. 2006. The feather – a window into cell-mediated immune responses? Avian Immunology Research Group Meeting, Paris, France, October 21-24.

Goodwin, Jr., H. L., R. I. Carreira, S. J. Hamm, K.B. Young, “Developing a Viable Poultry Litter Transport Option for the Ozark Region”, Final Deliverable of the Mack Blackwell Transportation Center funded Project 1802, December 31, 2006.

Carreira, R.I., H.L. Goodwin, Jr., “Estimating a Demand Function for Poultry Litter.”, Selected paper for presentation at the American Agricultural Economics Association Annual meeting, Long Beach, CA., July 23-26, 2006.

Goodwin, Jr., H.L., “The Future of Animal Agriculture in North America – Looking Back on a Multidisciplinary Industry/Policy Analysis”, organized symposium presented at the American Agriculture Economics Association Annual Meeting, Long Beach, CA, July 23-26, 2006.

A. D. Wolfenden, C. M. Pixley, J. P. Higgins, S. E. Higgins, A. Torres Rodriguez, G. Tellez, and B. M. Hargis. Evaluation of spray application of a *Lactobacillus* –based probiotic and ability to protect broiler chicks against *Salmonella enteritidis* infection. PSA 2006.

Torres Rodriguez, G. Gaona, A. Wolfenden, G. Tellez, and B. Hargis. Screening of selected probiotic isolates for phytase activity and effects on poultry when fed low phosphorus diets. PSA 2006.

J. P. Higgins, S. E. Higgins, A. Torres-Rodriguez, V. Salvador, S. N. Henderson, A. D. Wolfenden, C. M. Pixley, A. M. Donoghue, G. Tellez, W. G. Bottje, and B.M. Hargis. Use of a *lactobacillus*-based probiotic culture to reduce *Salmonella* in day of hatch broilers. PSA 2006.

S.E. Higgins, J.P. Higgins, G.F. Erf, A.D. Wolfenden, S.N. Henderson, G. Tellez and B.M. Hargis. Enumeration of macrophages in the cecae following challenge with *Salmonella enteritidis* and treatment with a probiotic culture. PSA 2006.

Kuenzel, W.J. 2006. Neurobiological basis of sensory perception: welfare implications of beak trimming. *Poult. Sci.* 85(Suppl. 1):103-104. (Invited Symposium Presentation) Li, H., J.A. Proudman and W.J. Kuenzel.

- Kuenzel. 2006. Gene expression of the septal-pituitary-gonadal axis in chicks after long day photostimulation and administration of sulfamethazine. Soc. Neurosci. Abstr. # 257.20.
- Li, H., J.A. Proudman and W.J. Kuenzel. 2006. Effect of sulfamethazine and photostimulation on gene expression of vasoactive intestinal polypeptide (VIP) and phosphodiesterase in the lateral septal organ (LSO) and pituitary gonadotropin content in the chick. Poul. Sci. 85(Suppl. 1):44.
- Madison, F.N., A. Jurkevich and W.J. Kuenzel. 2006. The efficacy of retroventricular injections of arginine vasotocin (AVT) and corticotrophin releasing hormone (CRH) on plasma corticosterone levels in male and female broilers (*Gallus gallus*) and their respective distribution of AVT and CRH neurons. Poul. Sci. 85(Suppl. 1):44.
- Madison, F.N., A. Jurkevich and W.J. Kuenzel. 2006. Sex differences in the septal-hypothalamo-pituitary-adrenal axis and the interaction of arginine vasotocin and corticotrophin releasing neurons in the domestic fowl. Soc. Neurosci. Abstr. #745.13.
- Rathinam, T., Y. Obara, J.A. Proudman and W.J. Kuenzel. 2006. Effect of eyes on reproduction in formoguanamine injected male chicks. Poul. Sci. 85(Suppl. 1):94.
- Cox, M. M., and Y. M. Kwon. 2006. Simultaneous and Quantitative Mapping of Transposon Insertions for Functional Genomic Analysis of Bacterial Genomes. 106th American Society for Microbiology Annual Meeting, Orlando, Florida.
- Calhoun, L. N., and Y. M. Kwon. 2006. The Effect of Gastrointestinal Short Chained Fatty Acids on the Virulent Phenotype of *Salmonella enteritidis*. 106th American Society for Microbiology Annual Meeting, Orlando, Florida.
- Li, Y. 2006. Microbial models and biosensors for prediction and detection of foodborne pathogens in poultry products. Annual report to the Food Safety Consortium, October 1.
- Li, Y. 2006. Elimination of *Listeria* from ready-to-eat poultry products. Annual report to NAFSS and USDA/ARS, December 15.
- Li, Y. 2006. Rapid detection of foodborne pathogens using biosensor technology. Annual report to USDA/FAS, October 31.
- Jiang, X., Y. Ying, J. Wang, Z. Ye, Y. Li., and G. Zhu. 2006. Applications of antibody-based biosensor to pesticide residues monitoring. Presented at ASABE 2006 Annual Meeting, July 9-12, 2006, Portland, OR. ASABE Paper No. 067116.
- Li, Q., J. Wang, Y. Ying and Y. Li. 2005. Rapid detection of *E. coli* O157:H7 using piezoelectric immunosensor. Presented at ASABE 2006 Annual Meeting, July 9-12, 2006, Portland, OR. ASABE Paper No. 067117.
- Li, Y. 2006. Biosensors for detection of foodborne pathogenic bacteria: A review. Presented at ASABE 2006 Annual Meeting, July 9-12, 2006, Portland, OR. ASABE Paper No. 067026.

Liu, F., X. Su and Y. Li. 2006. Detection of Escherichia coli O157:H7 using a QCM immunosensor with nanoparticle amplification. Presented at ASABE 2006 Annual Meeting, July 9-12, 2006, Portland, OR. ASABE Paper No. 067119.

Pradhan, A., L. Cooney and Y. Li. 2006. Predictive modeling of microbial inactivation kinetics for Listeria and heat and mass transfer during thermal processing of ready-to-eat poultry products. Presented at IFT 2006 Annual Meeting, June 24-28, 2006, Orlando, FL.

Srinivasan, B., S. Tung, Y. Li, and M. Varshney, 2006. Simulation of an electrical impedance based microfluidic biosensor for detection of E. coli O157:H7. Presented at 2006 COMOS meeting, November 5-11, Houston, TX.

Sun, Q., X. Su, J. Millett and Y. Li. 2006. A capillary-based immunosensor for rapid detection of atrazine residue. Presented at IFT 2006 Annual Meeting, June 24-28, 2006, Orlando, FL.

Varshney, M. and Y. Li. 2006. Impedance biosensing method based on interdigitated array microelectrode coupled with magnetic nanoparticle-antibody conjugates for detection of Escherichia coli O157:H7 in ground beef. Presented at IFT 2006 Annual Meeting, June 24-28, 2006, Orlando, FL. Honorary mention (Finalist) of the Student Oral Presentation Competition.

Ye, Z., Y. Li, Y. Ying, X. Su, and Q. Sun. 2006. Design, Construction and evaluation of a portable biosensor for rapid detection of E. coli O157:H7. Presented at ASABE 2006 Annual Meeting, July 9-12, 2006, Portland, OR. ASABE Paper No. 067121.

Cooney, L., Y. Li, R. Tian, W. Dong, H. Wang, and M.F. Slavik. 2006. TiO<sub>2</sub> nanofiber coating with UV catalysis for inactivation of Escherichia coli O157:H7. Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Li, Y. 2006. Nanotechnologies and biosensors for detection of foodborne pathogens. In: CD of Food Safety Consortium 2006 Symposium, October 1-3, Fayetteville, AR.

Liu, F., X. Su, and Y. Li. 2006. Detection of Escherichia coli O157:H7 using a QCM immunosensor with nanoparticle amplification. Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Pradhan, A., and Y. Li. 2006. Quantitative microbial risk assessment model for exposure assessment of Salmonella during poultry processing. Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Su, X., Q. Sun, Z. Ye, L. Bielke, and Y. Li. 2006. A versatile multichannel immunoassay instrument for food safety and quality. Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Sun, Q., X. Su, J. Millett, and Y. Li. 2006. A capillary column-based immunosensor for rapid detection of atrazine residue in drinking water. Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Varshney, M., and Y. Li. 2006. Impedance biosensor based on interdigitated microelectrode coupled with magnetic nanoparticle-antibody conjugates for detection of Escherichia coli O157:H7. Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006.

Wang, R., Y. Li, B. Hargis, S. Tung, and W. Bottje. 2006. Microfluidics-based impedance biosensor for rapid screening of avian influenza viruses H5N1. Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Ye, Z., Y. Li, X. Su, and Q. Sun. 2006. Design, construction and evaluation of a portable biosensor for rapid detection of E. coli O157:H7. Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Owens, C.M. 2006. Delayed bleedout of turkeys irreversibly stunned with carbon dioxide. Report prepared for Praxair, Inc.

Owens, C.M., J.L. Emmert, and J-F. C. Meullenet, 2006. Impact of Outdoor Production on Growth, Meat Quality, and Sensory Attributes of Fast- and Slow-Growing Broilers. Project #596. Report prepared for U.S. Poultry and Egg Association.

Owens, C., A. Fanatico, P. Pillai, J. Meullenet, and J. Emmert. 2006. Evaluation of alternative genotypes and production systems for natural and organic poultry markets in the U.S.A. Proceedings of the XII European Poultry Conference. Verona, Italy. September 10-14, 2006. (Electronic Proceedings).

Owens, C.M., and A. Saha. 2006. Impact of Time of Boning and Marination on the Quality of Chicken Breasts. Proceedings of the III Symposium on the Quality Of The Meat, International Symposium on the Quality of Meat (III Simpósio Sobre A Qualidade Da Carne; I Simpósio Internacional Sobre A Qualidade Da Carne). Jaboticabal, Sao Paulo, Brazil. November 9, 2006.

Owens, C.M., 2006. Tenderness Assessment of Poultry Meat. Proceedings of the III Symposium on the Quality of The Meat, I International Symposium on the Quality of Meat (III Simpósio Sobre A Qualidade Da Carne; I Simpósio Internacional Sobre A Qualidade Da Carne). Jaboticabal, Sao Paulo, Brazil. November 9, 2006.

Fanatico A.C., Emmert J.L., Owens C.M., Meullenet J.F. 2006. Impact of Genotype and Production System on Performance, Meat Quality and Sensory Attributes of Meat Chickens. Feedinfo News Service Scientific Reviews. July 2006. Available from URL: <http://www.feedinfo.com>."

- Brewer, V. P., Pillai, A., Saha, J., Meullenet, C., Owens, and J. Emmert. 2006. Phase-feeding in broilers: Impact on breast fillet dimensions, cook loss, and tenderness. *Poult. Sci.* 85 (Suppl.1):161 (Abstr.).
- Fanatico, A., P. Pillai, J. Emmert, J. Meullenet, and C. Owens. 2006. Impact of alternative broiler genotype and production system on sensory attributes. *Poult. Sci.* 85 (Suppl.1):198 (Abstr.).
- Saha, A., A. Perumalla, J. Meullenet, and C. Owens. 2006. Deboning time, extending aging, and marination: Impact on poultry breast meat quality. *Poult. Sci.* 85 (Suppl.1):163 (Abstr.).
- Saha, A., A. V. Perumalla, Y. Lee, J. F. Meullenet, and C.M. Owens. 2006. Optimizing meat tenderness, juiciness and flavor of marinated broiler breast fillets using varying levels of salt. *Poult. Sci.* 85 (Suppl.1):59 (Abstr.).
- Saha, A., A. V. S. Perumalla, J. F. Meullenet, and C.M. Owens. 2006. Tenderness, juiciness and flavor of pre- and post-Rigor marinated broiler breast fillets evaluated by consumer sensory panel. *Poult. Sci.* 85(Suppl.1):115 (Abstr.).
- Owens, C.M., A. Saha, A. V. S. Perumalla, and J. F. Meullenet. 2006. Impact of age and time of portioning on tenderness of slittered broiler breast fillets. *Poult. Sci.* 85 (Suppl.1):58.
- Perumalla, A.V., A.Saha, Y. Lee, J.F.Meullenet, and C.M.Owens. 2006. Marination properties of air chilled and water chilled broiler breast fillets. *Poult. Sci.* 85(Suppl.1):59.
- Lee, Y. S., C. M. Owens and J. F. Meullenet. 2006. The Application of the Meullenet-Owens-Razor-Shear (MORS) for the Prediction of Broiler Pectoralis Major Muscle Tenderness to the Instron InSpec. IFT Annual Meeting Book of Abstract (Orlando, FL).
- Lee, Y. S., R. Xiong, A. Saha, C. M. Owens and J. F. Meullenet. 2006. Tenderness of broiler breast fillets during long-term freezing. IFT Annual Meeting Book of Abstract (Orlando, FL).
- Dunkley, C.S., J.L. McReynolds, W.K. Kim, K.D. Dunkley, T. Friend, L.F. Kubena, D.J. Nisbet, and S.C. Ricke. 2006. The behavior of laying hens on an alfalfa crumble molt diet. SPSS Annual Meeting, Atlanta, GA.
- Njongmeta-Nenge, L.A., J.T. Keeton, S.C. Ricke, R.C. Anderson, and D.R. Miller. 2006. Application of antimicrobials in a hurdle fashion to pre-rigor beef rounds for reduction of pathogens. 2006 Reciprocal Meat Conference, University of Illinois, Champaign-Urbana, IL, June 18-21.
- Dunkley, K.D., C.S. Dunkley, T.R. Callaway, M.E. Hume, L.F. Kubena, D.J. Nisbet, and S.C. Ricke. 2006. Virulence gene expression and DGGE profiles in the gastrointestinal tract of *Salmonella* Enteritidis-challenged laying hens. The 8<sup>th</sup> Biennial Congress of the Anaerobe Society of the Americas, Boise, ID, July 25-28.

McReynolds, J.L., K.J. Genovese, H. He, J.A. Byrd, S.C. Ricke, D.J. Nisbet, and M.H. Kogut. 2006. Evaluation of heterophyll function in molting hens fed an alfalfa diet. Poultry Science Society Annual Meetings, Edmonton, Canada.

Ma, Y., I. Hanning, and M. Slavik. 2006. Comparison of protein expression profile of starved and non-starved *Campylobacter jejuni*. Food Safety Consortium, Fayetteville, AR. Abstract.

Hanning, I., and M. Slavik. Mechanisms of biofilm formation by *Campylobacter jejuni*. Food Safety Consortium. Abstract.

Wang, H., Y. Li, and M. Slavik. 2006. Rapid detection of *Listeria monocytogenes* using quantum dots/nanobeads based optical biosensor. Food Safety Consortium. Abstract.

Hanning, I. and M. Slavik. 2006. *Campylobacter jejuni* as a secondary colonizer of poultry biofilms. Poultry Science Assoc., Pg. 87; Edmonton, Alberta, Canada. Abstract.

Hanning, I. and M. Slavik. 2006. Mechanisms of biofilm formation by *Campylobacter jejuni*. Food Safety Consortium, Fayetteville, AR. Abstract.

Hanning, I. and M. Slavik. 2006. Mechanisms of biofilm formation by *Campylobacter jejuni*. Progress report for USDA/CREES Food Safety.

Gilbert, C., H. Kanta, B. Vaughn, I. Hanning and M. Slavik. 2006. Prevalence and comparison of cytolethal distending toxin B-subunit in *Campylobacter jejuni* isolated from humans, chickens, and turkeys. Progress report of USDA/CREES Food Safety.

Slavik, M., A. O'Leary, and C. Gilbert. 2006. Development of rapid detection methods and determination of pathogenicity factors of *C. jejuni*. AD-421 Progress Report.

Waldroup, P.W. 2006. Challenges in Broiler Nutrition in the 21<sup>st</sup> Century—Opportunities for China Agriculture. July 10-11, Szechuan University Centennial Symposium. Yaan, China.

Waldroup, P.W. 2006. Amino acid interactions and interrelationships in broiler diets low in crude protein. Oct. 17-20. Pages 48-55 in: Proceedings X International Seminar on Poultry Production and Pathology, Santiago, Chile.

Waldroup, P.W. 2006. Improving corn-soybean meal diets with enzyme supplementation. Oct. 17-20. Pages 76-81 in: X International Seminar on Poultry Production and Pathology, Santiago, Chile.

Yan, F., and P. W. Waldroup. 2006. Fumaric acid improves feed utilization in broiler diets void of antibiotic growth promoters. Proc. SPSSP. 37.

Yan, F., and P. W. Waldroup. 2006. An evaluation of MINTREX Mn organic trace mineral as a source of manganese in broiler diets. P. 46 in Proc. Southern Poultry Sci. Soc.

- Yang, J., F. Yan, and P. W. Waldroup. 2006. Evaluation of high levels of sodium in broiler prestarter diets. P. 56 in Proc. Southern Poultry Sci. Soc.
- Cerrate, S., F. Yan, Z. Wang, C. Coto, P. Sacakli, and P. W. Waldroup. 2006. Glycerin useful energy source in broiler diets. *Feedstuffs* 78:29 (July 17). P. 14.
- Waldroup, P. W. 2006. Organic acid can replace growth-promoting antibiotics in broiler diets. *Poultry International*, October, pp. 16-17.
- Waldroup, P. W. 2006. Fumaric acid in broiler diets. *Feed Management* 57(6):12-13.
- Yan, F., and P. W. Waldroup. 2006. Fumaric acid improves feed utilization in broiler diets void of antibiotic growth promoters. Southern Poultry Sci. Soc., Atlanta GA.
- Yan, F., and P. W. Waldroup. 2006. An evaluation of MINTREX Mn organic trace mineral as a source of manganese in broiler diets. Southern Poultry Sci. Soc., Atlanta, GA.
- Wideman, R. F. 2006. Kidney damage in laying hens (Urolithiasis). International Conference on Avian Nutritional and Metabolic Disorders (Proceedings pp1-13), 15 April, Nanjing Agricultural University, Nanjing China (Invited Presentation).
- Chapman, M. E., and R. F. Wideman. 2006. Evaluation of the serotonin receptor blockers ketanserin and methiothepin on the pulmonary hypertensive responses of broilers to intravenously infused serotonin. *Poult. Sci.* 85 (Supplement 1):41.
- Chapman, M. E., and R. F. Wideman. 2006. Evaluation of the serotonin receptor blocker methiothepin in broilers injected intravenously with lipopolysaccharide and microparticles. *Poult. Sci.* 85 (Supplement 1):41.
- Bowen, O. T., G. F. Erf, M. E. Chapman, and R. F. Wideman Jr. 2006. Plasma nitric oxide concentrations in broilers after i.v. injections of lipopolysaccharide or microparticles. *Poult. Sci.* 85 (Supplement 1):48.
- Hamal, K. R., R. F. Wideman Jr., B. L. Plumlee, and G. F. Erf. 2006. Time-course of expression of inducible nitric oxide synthase in lungs following intravenous cellulose microparticle injection in three broiler lines. *Poult. Sci.* 85 (Supplement 1):48.
- Wideman, R. F. 2006. Inadequate pulmonary vascular capacity and susceptibility to pulmonary hypertension syndrome in broilers. *Poult. Sci.* 85 (Supplement 1):142.

## **INVITED LECTURES**

### **Agricultural Economics and Agribusiness**

- Rainey, Ron. 2006. "Floriculture and Nursery Crop Situation and Outlook" Invited presentation at 2006 Southern Region Outlook Conference. Atlanta, Georgia. August.

Wailes, E. 2006. "Challenges for Market Intelligence in an Increasingly Differentiated Global Rice Economy." Invited Lead Paper presentation at 26<sup>th</sup> International Rice Research Conference, New Delhi, India. October 9-13.

### **Agricultural and Extension Education**

Dickinson, A.R., Johnson, D.M., & Wardlow, G.W. (2006). Development and testing of a variable rate sprayer for use in university and Extension education programs. Paper presented at the 2006 International Meeting of the American Society of Agricultural and Biological Engineers, Portland, OR.

### **Agricultural Statistics**

Mauromoustakos A. 2006. Generalized linear mixed models. Agricultural University of Athens, Department of Agriculture, Athens, GR.

Mauromoustakos, A. 2006. A nonlinear modeling case study: Modeling relationship of Complex II activity over time and determining the activity rate of succinate-UQ2 reductase enzyme in isolating frozen liver mitochondria from broilers. 15<sup>th</sup> Undergraduate USA/USM Conference on Science and Math, University of South Alabama, Mobile AL.

Mauromoustakos, A. 2006. Predictive modeling case study. Annual Rice Industry Meetings in Fayetteville AR.

### **Animal Science**

Brown, Jr., A. Hayden. 2006. Assessment of Respiratory Chain Complex Activities in Muscle Mitochondria in Angus Steers with Low and High Feed Efficiency. Invited presentation to The Scottish Agricultural College and the Sustainable Livestock Systems Group, University of Edinburgh, Scotland.

Kegley, E., Health and nutrition post-parturition: impacts on lifelong performance. Joint Annual Meeting of the American Dairy Science Association, American Society of Animal Science, Minneapolis, MN; July 9-13, 2006.

Kellogg, Wayne was invited to speak at the Manager's Luncheon at Pilgrim's Pride Company at Pittsburg, TX. Sept. 2006.

Kellogg, Wayne was an invited speaker at the College of Agriculture at Southern Arkansas University, Magnolia, AR. Dec. 2006.

Yazwinski, Tom made invited presentation on his research findings in Colorado, Kansas, Nebraska, Missouri and Wisconsin.

Yazwinski, T.A. Parasite Control in Goats and Sheep. Conway, AR. 2006.

Yazwinski, T.A. Parasite Control in Goats and Sheep. Heber Springs, AR. 2006.

### **Biological and Agricultural Engineering**

Chaubey, I., “Mathematical modeling of watershed processes”. Public Policy Symposium. Little Rock, AR. November 17, 2006.

Chaubey, I., “Modeling approaches to evaluate watershed and water quality processes”. Upper White River Water Quality Conference. Branson, MO. April 6, 2006.

Chaubey, I., “Water quantity/quality issues in the L’Anguille River watershed. Arkansas Soil and Water Education Conference. Arkansas State University, Jonesboro. January 12, 2006.

Costello, T. A. 2006. “Update on On-Farm Litter Combustion”, presented to Arkansas Farm Bureau commodity meetings, June 21, 2006, Conway, Arkansas.

Costello, T. A. 2006. “Alternate Energy for Heating Poultry Building using Broiler Litter as a Fuel”, presented to Poultry Energy Workshop, UA Cooperative Extension Service, December 12, 2006, Broiler Energy Farm, Savoy Arkansas.

Costello, T. A. 2006. “Demonstration of Broiler Litter Fired Furnace to Heat a Poultry House” presented to Field Day (Open House) participants, December 14, 2006, Broiler Energy Farm, Savoy, Arkansas.

Chávez MD and M. Kavdia, “Superoxide dismutase impact on nitric oxide levels in the microcirculation- a mathematical model.” Experimental Biology (FASEB), San Francisco, CA. April 1-5, 2006.

Kavdia M., Computational Model of Tyrosine Nitration Resulting from Oxidative Stress and Nitric Oxide Interaction in the Microcirculation. Experimental Biology (FASEB), San Francisco, CA. April 1-5, 2006.

Kavdia M., N. Bhise, and P. Deonikar, “Quantitative analysis of nitric oxide interaction with free hemoglobin and red blood cell hemoglobin.” Experimental Biology (FASEB), San Francisco, CA. April 1-5, 2006.

Marwali, Mohandas, C.P. Hu, Jaiwei Chen, Mahendra Kavdia, Ian Cawich, Prabhakar Deonikar, Sawamura, Mehta. “Reduction of platelet lox-1 expression by aspirin and pravastatin; mechanism relating to nitric oxide, oxidative stress and chemokine rantes.” American Heart Association society conference, Dallas July 2006.

Kavdia M., “Modeling of Oxidative Stress and Nitric Oxide Interactions Leading to Tyrosine Nitration Formation.” Biomedical Engineering Society (BMES) Annual Fall Meeting, Chicago, IL, October, 2006.

Potdar S. S., and M. Kavdia, “Effect of SOD and vitamin-E on high glucose related endothelial cell dysfunction” Biomedical Engineering Society (BMES) Annual Fall Meeting, Chicago, IL, October, 2006.

Kavdia M., MD Chávez, S. S. Potdar, and W. Richardson, “In silico and in vitro models of NO, ROS and RNS biotransport: towards understanding of endothelial cell dysfunction.” Arkansas Biosciences Institute Research Symposium, Little Rock, Arkansas, Oct 26, 2006.

Matlock, M. 2006. “Conducted a Nutrient Criteria National Watershed Management Workshop,” Fayetteville, AR, April 2006, in conjunction with the AWRC Annual Meeting.

Matlock, M., Chair, AWRA Session – Decision Support Systems. AWRA Specialty Conference, Montana, 2006.

Matlock, M., Keynote Speaker, Low Impact Development Workshop, WRI, Fayetteville, AR August 2006.

Matlock, M., Invited Keynote Speaker, Arkansas Institute of Architecture Annual Meeting, Hot Springs, AR, November 2006.

### **Crop, Soil and Environmental Sciences**

Anders, M.M. 2006. Conservation Tillage for Cattle Production and Soil Health. Conservation Tillage & Stocker Cattle 2006 Arkansas Cattle Growers’ Conf., 08 Aug. Arkadelphia, AR. (Invited).

Bourland , F.M. 2006. Cotton Varieties and Breeding. 2006 Cotton Station Field Day, Marianna, AR 24 Aug. (Invited).

Bourland , F.M. 2006. Cotton Varieties and Breeding. 2006 SEBS Field Day, Rohwer, AR 03 Aug. (Invited).

Burgos, N.R., L. Brandenberger, C. Thomas, L. Wells, V. Shivrain, D. Motes, S. Eaton, L. Martin, and T. Morelock. 2006. Cowpea Tolerance to Sandea® Herbicide. Natl. Cowpea Germplasm Mtg., Orlando, FL, (Invited).

Burgos, N.R. 2006. Outcrossing and the Seed Business. Presented for the Seed Growers’ Association in the Mid-South. New Orleans, Louisiana, 09 Nov. Sponsored by Horizon Ag, LLC. (Invited).

Burgos, N.R. and J. Popp. 2006. Alleviating Hunger and Boosting Education Through a Community School Garden. Presentation about the Belize Study Abroad Project – CAFLS for the Research in Progress Seminar Series, 21 Sept. Public Policy Program and the Coll. of Educ. and Health Profession. (Invited).

Chen, P. 2006. Molecular Marker Development and Specialty Soybean Breeding for the Soyfood Market Ann. USDA-NRI Research Conf. 06-09 Aug. Washington, D.C. (Invited).

Daniel, T.C., M. Cochran, P. Delanune, B.E. Haggard, and A.N. Sharpley. 2006. Agricultural Runoff and Water Quality. Half-Day Lawyer Workshop. Aug. Fayetteville, AR. (Invited).

Daniel, T.C., J. Lemunyon, and A.N. Sharpley. 2006. Transitioning the Phosphorus Index to Quantify Risk: Modeling, the Next Journey. SERA17 Keynote Address. Cornell University. Ithaca, NY. (Invited).

Mozaffari, M. 2006. Utilization of By-Products as Agricultural Soil Amendments. Arkansas Cooperative Extension Service Soil Fertility Training Session. Ferndale, Arkansas (Invited).

Norman, Richard. 2006. Nitrogen Sources and Management of Nitrogen in Delayed Flood Rice. Lake Hogue Field Day. Poinsett Co. 02 Aug. 2006. (Invited).

Norman, Richard. 2006. Efficient N Fertilization of Rice. Rice Research and Extension Center Field Day. Stuttgart, AR. 09 Aug. 2006. (Invited).

Norman, Richard. 2006. Efficient N Fertilization of Rice. Rice Research and Extension Center Field Day. Clay Co. Field Day. 10 Aug. 2006. (Invited).

Norman, Richard. 2006. Benefits of Agrotain in Delayed Flood Rice. Agrotain International Company Mtg. St. Louis, MO. 18 - 19 Jul. 2006. (Invited).

Norsworthy, J.K., N.R. Burgos, R.C. Scott, and K.L. Smith. 2006. Consultant Perspectives on Weed Management Issues in Rice. Arkansas Crop Protection Association Ann. Mtg. Fayetteville, AR. 27 - 28 Nov. 2006. (Invited).

Oosterhuis, D.M. 2006. Boll Temperature and Heat Unit Calculation. Cotton Incorporated sponsored Mtg. on COTMAN. Austin, TX. 17 Nov. (Invited).

Oosterhuis, D.M. 2006. The Potential of Foliar Fertilization. Fluid fertilizer School. 19 Jan. Lubbock, TX. Fluid Fertilizer Foundation Mtg. (Invited).

Oosterhuis, D.M. 2006. Increased Proteins, Insect Mortality and Yield with Chaperone. Louisiana Consultants Mtg. Monroe, LA. (Invited).

Oosterhuis, D.M. 2006. The Effect of an Anti-Ethylene Product on the Growth and Yield of Cotton. AgroFresh research Mtg. Denver, CO. Dec. (Invited).

Purcell, L.C. 2006. Redefining the Requirements for Light and Water in Soybean for Irrigated and High Yielding Environments. Argentinean No-Till Farmer's Association. 08-11 Aug. Rosario, Argentina. (Invited).

Purcell, L.C. 2006. Bending the Rules for Crop Growth and Yield. Interdisciplinary Plant Group at the University of Missouri, Columbia, MO. 03 Apr. (Invited).

Sharpley, A.N. 2006. Agronomic and Environmental Management of Phosphorus and Risk Assessment. Ann. Arkansas Farm Bureau Mtg. 29 Nov. The Convention Center, Little Rock, AR (Invited).

Sharpley, A.N. 2006. Phosphorus and the Environment. NRCS Engineers Ann. Training Workshop, Harry Kelly Park, Ft. Smith. 05 Dec. Ft. Smith, AR. (Invited).

Sharpley, A.N. 2006. Assessing the Risk of Phosphorus Loss at Field, Farm and Watershed Scales. At Arkansas Water: Preparing Local Leaders for Water Challenges. University of Arkansas, Division of Agriculture, Public Policy Center. Third Ann. Water Conf. 17 Nov. C.A. Vines 4-H Center, Ferndale, AR. (Invited).

Sharpley, A.N., T.C. Daniel, B. Gburek, and S. Herron. 2006. Targeting Best Management Practices in Contrasting Watersheds. Managing Agricultural Landscapes for Environmental Quality: Strengthening the Science Base. Workshop sponsored by Soil & Water Conservation Soc. 14 Oct. Kansas City, MO. (Invited).

Srivastava V. 2006. Cre/Lox-Mediated Site-Specific Gene Integration in Plants. 2007 In Vitro Biology Mtg. Minneapolis, 02-06 Jun. (Invited).

Stephenson IV, D.O. 2006. Twin Row 15-in. Cotton. 2006 Mississippi State University Cotton Short Course, 06 Dec. (Invited).

## **Entomology**

Austin, J.W. and A.L. Szalanski. 2006. Reticulitermes of North America: Molecular identification, biogeography and systematics. National Conference on Urban Entomology, Raleigh, North Carolina.

Billings, S.A., L.J. Haavik, F.M. Stephen, M.K. Fierke, V.B. Salisbury, and S.W. Leavitt. 2006. Dendrochronological parameters of northern red oak (*Quercus rubra* Fagaceae) subjected to a major forest disturbance (red oak borer, *Enaphalodes rufulus*). IUFRO (International Union of Forest Researchers' Organization). Conference on Forest Canopy Processes. Harvard Forest, Petersham, MA.

Goggin, F.L. 2006. Comparative analysis of responses to aphid feeding in tomato. CSREES USDA-NRI Awardee Workshop, Tuscon, Arizona. (poster).

Goggin, F.L. 2006. Field trials of plant activators and resistant cultivars for integrated nematode control on tomato. California Tomato Commission Annual Board Meeting, San Francisco, California.

Goggin, F.L. 2006. Genomic analysis of induced responses to aphid feeding in tomato. 17<sup>th</sup> Biennial International Plant Resistance to Insects Workshop, Purdue University, West Lafayette, Indiana.

Goggin, F.L. 2006. Mechanisms of broad spectrum and R gene-mediated plant defenses against aphids. Department of Entomology, University of Nebraska, Lincoln, Nebraska.

Goggin, F.L. 2006. Mechanisms of broad spectrum and R gene-mediated plant defenses against aphids. 5<sup>th</sup> International Symposium on Molecular Insect Science, Tuscon, Arizona.

Goggin, F.L. 2006. Transcriptional reprogramming in response to insect damage in tomato. Texas A&M University, Department of Entomology Seminar Series.

Luttrell, R.G. 2006. Bollworm issues in transgenic cotton. Cotton Incorporated, Crop Management Seminar, Memphis, Tennessee.

Luttrell, R.G. 2006. Cotton arthropod sampling at a landscape level. SERA-IEG 23 Cotton Insects, Memphis, Tennessee.

Luttrell, R.G. 2006. Transgenic Insecticidal Crops: History, Challenges and Opportunities. Science Seminar, Arkansas State University.

McKern, J.A. and A.L. Szalanski. 2006. Genetic variation and molecular diagnostics of economically important species in southeastern United States. Southeastern Branch meeting of the Entomological Society of America, Wilmington, North Carolina.

McLeod, P.J. 2006. Development of IPM programs for insect pests of vegetables. Center for Tropical Agricultural Research, Santa Cruz, Bolivia.

McLeod, P.J. 2006. Planning and implementation of insect IPM programs on vegetables in Beni, Bolivia, SENASAG, Trinidad, Bolivia.

Steinkraus, D. 2006. Entomopathogens in row crops: A candid appraisal. S-1024 Southern Region Microbial Control Working Group Meeting. Savannah, Georgia.

Steinkraus, D. 2006. Tales of the Fungi: Entomopathogenic fungi and their arthropod hosts. Seminar, Department of Plant Pathology, University of Arkansas.

Stephen, F.M. 2006. Challenges to biological control. North American Forest Insect Work Conference, Asheville, North Carolina.

Stephen, F.M. 2006. Southern pine beetle and red oak borer: Insects that can change Arkansas forests. Department of Horticulture, University of Arkansas.

Stephen, F.M. and J.M. Guldin. 2006. Upland oak-hickory forests and the red oak borer in the Ozark and Ouachita Mountains of Arkansas. North American Forest Insect Work Conference, Asheville, North Carolina.

Wiedenmann, R. N. 2006. Control Biológico de Malezas en Áreas Naturales en los Estados Unidos. Keynote address presented to the Congress of the Mexican Society of Biological Control, Manzanillo, Mexico.

### **Food Science**

### **SCIENTIFIC MEETINGS**

Hettiarachchy, N.S. 2006. Protein chemistry and functionality with integrated value-added nutraceuticals, functional foods, and food safety research program. Institute of Crop Science and Food Science, Zhejiang Academy of Agricultural Sciences. Hangzhou, P.R. China. July 17-21.

Hettiarachchy, N.S. and R. Horax. 2006. Can phenolics in green tea and grape seed extract inhibit oxidation in irradiated poultry? International Conference on “Antioxidant and Free Radicals in Health-Nutrition and Radio-protectors” and IV Annual Conference of the Society for Free Radical Research in India” (SFRR), Calcutta, India. January 10-12.

Hettiarachchy, N.S., A. Donya, R. Horax. 2006. Value-added uses of bitter melon. DSM, Basal, Switzerland. December 11-13.

Hettiarachchy, N.S., A. Kannan. 2006. Modification of proteins, chemical and enzymatic methods and functionality. Institute of Crop Science and Food Science, Zhejiang Academy of Agricultural Sciences. Hangzhou, P.R. China. July 17-21.

Hettiarachchy, N.S., I. Paraman. 2006. Functional properties of rice endosperm proteins with special reference to emulsion. DSM, Basal, Switzerland. December 11-13.

Howard, L. 2006. Processing effects on the content and absorption of berry polyphenolics. USDA-CSREES, NRI Program 71.1 Project Directors Meeting. Washington, DC. August 8.

Morris, J. 2006. Developing a muscadine grape industry: Why research is critical. Southeastern Regional Muscadine Grape Growers Association. Savannah, GA. January.

Morris, J. 2006. Development and commercialization of a complete vineyard mechanization system. ASHS Annual Meeting. New Orleans, LA. July.

Morris, J. 2006. Development and commercialization of a complete vineyard mechanization system. TX Wine and Grape Growers Assoc. Fredericksburg, TX. November.

Morris, J. 2006. Future of the grape industry in the southwestern United States. Texas Wine and Grape Growers Assoc. Fredericksburg, TX. November.

Proctor, A. and V.P. Jain. 2006. Production of CLA rich soy oil in the session nutraceuticals and bioactives in edible oils and their processing co-products. American Oil Chemists Society World Conference and Exhibition on Oilseed and Vegetable Oil Utilization. Istanbul, Turkey. August 16.

Proctor, A. and V.P. Jain. 2006. Photocatalytic production and use of conjugated linoleic acid-rich soy oil 2<sup>nd</sup> Renewable Resources and Biorefineries Conference. The University of York, York, UK. September 8.

Proctor, A. 2006. Renewable resources and Clean Technology Opportunities at the University of Arkansas. Karl Franzens University, Graz, Austria. January 16.

Ricke, S. 2006. Development of a Food Safety Center: Current perceptions and future goals. Annual National Agricultural Biosecurity Alliance - Kansas State University. Manhattan, KS. April 21.

Ricke, S. 2006. Ecology and pathogenesis of foodborne Salmonella in egg laying hens. Food Safety Consortium Symposium. University of Arkansas. Fayetteville, AR. October 2.

Ricke, S. 2006. Emerging foodborne Salmonella issues in poultry production. Animal Science Department- Iowa State University. Ames, IA. April 28.

Ricke, S. 2006. Salmonella fermentation and colonization ecology in the Avian gastrointestinal tract. Texas Branch Meeting of the American Society for Microbiology. University of Texas Medical Branch. Galveston, TX. November 17.

Siebenmorgen, T.J. 2006. How drying techniques affect head rice yield. Texas Rice, Vol. VI Number 6. Agricultural Research and Extension Center. Beaumont, TX. Texas A&M University System. Texas Rice Research Newsletter. August.

## **Horticulture**

Burgos, N.R., L. Brandenberger, C. Thomas, L. Wells, V. Shivrain, D. Motes, S. Eaton, L. Martin, and T.E. Morelock. 2006. Cowpea tolerance to Sandea® Herbicide. HortScience 40:516.

Butcher, J., and T.E. Morelock. 2006. Effects of postharvest storage genotypes on quality and shelflife on fresh southernpeas [*Vigna unguiculata* (L.) Walp] HortScience 40(3):516.

Butcher, J., T.E. Morelock and D.R. Williams. 2006. Effect of storage conditions and genotypes on shelf-life of fresh southernpeas. Proc. 25<sup>th</sup> Annual Horticulture Industries Show, Vol. 25:94.

Carson, Janet. 2006. 65+ Invited lectures.

Clark, J.R. Arkansas fruit breeding. Clarksville Rotary Club, Clarksville, September.

Clark, J.R. 2006. Blackberry breeding and industry expansion worldwide. Sunnyridge Farm Growers' Conference, Amelia Island, Fla., January.

Clark, J.R. 2006. Blackberry cultivars and the University of Arkansas breeding program. Tenn. Fruit and Veg. Assoc. Conv. Nashville, December.

- Clark, J.R. 2006. Blackberry: World production and perspectives. III Simposio nacional do morango II Encontro sobre pequenas frutas e frutas nativas do Mercosul, Pelotas, Brazil, November.
- Clark, J.R. 2006. Introduction to the Symposium: Intellectual Property Rights for Clonally Propagated Plants: Basics to Application. ASHS, New Orleans, July.
- Clark, J.R. 2006. Peach and nectarine varieties, University of Arkansas. Tenn. Fruit and Veg. Assoc. Conv. Nashville, December.
- Clark, J.R. 2006. Plant breeding in Horticulture at the University of Arkansas. Arkansas Farm Bureau 72<sup>nd</sup> Conv., Hot Springs, November.
- Clark, J.R. 2006. Pouring cold molasses or new variety introduction: Which moves quicker? Ann. Mtg. North Amer. Fruit Explorers/Southern Fruit Fellowship, Lexington, Ky. August.
- Clark, J.R. 2006. Primocane-fruiting blackberry breeding. ASHS Viticulture and Small Fruits Working Group Workshop, New Orleans, July.
- Clark, J.R. 2006. Primocane fruiting blackberries: Origin and potential. Ann. Mtg. North Amer. Fruit Explorers/Southern Fruit Fellowship, Lexington, Ky. August.
- Clark, J.R. 2006. Public to Public Agreements – presented at the Symposium for Intellectual Property Rights for Clonally Propagated Plants: Basics to Application. ASHS, New Orleans, July.
- Clark, J.R. 2006. Recent variety releases from the University of Arkansas peach breeding program. S.E. Peach Conf. Savannah, January.
- Clark, J.R. and P.M. Carter. 2006. Chilling requirements of selected floricanes and primocane-fruiting blackberries. ASHS, New Orleans, July (poster).
- Goddard, M, J. Sorochan, S. McElroy, T. Samples, and D. Karcher. 2006. Effects of crumb rubber topdressing on Kentucky bluegrass and bermudagrass athletic fields in the transition zone. In Annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.
- Karcher, D.E., M.D. Richardson, and J. Miller. 2006. Impact on water requirements and turf quality of water repellency and its correction with surfactant in a USGA Specification green. ASA-CSSA-SSSA Annual Meeting, Indianapolis, IN, Nov 2006.
- Morelock, T.E. 2006. New greens varieties. Proc. 25<sup>th</sup> Annual Horticulture Industries Show Vol. 25:104.
- Morelock, T.E. and J.C. Correll. 2006. History of spinach production in the United States. International Spinach Conference (August). Mt. Vernon, WA.

- Richardson, M.D. 2006. Setting up a fertilizer program for a cool-season and warm-season turf. Estes Annual Workshop, Springdale, AR, Oct. 2006.
- Richardson, M.D. 2006. Herbicide safety on seeded bermudagrass, buffalograss, and zoysiagrass. Kansas Turfgrass Conference, Topeka, KS, Nov. 2006.
- Richardson, M.D. 2006. Moss control on bentgrass putting greens. Kansas Turfgrass Conference, Topeka, KS, Nov. 2006.
- Richardson, M.D. 2006. Managing bermudagrass to enhance survival. Kansas Turfgrass Conference, Topeka, KS, Nov. 2006.
- Richardson, M.D. 2006. Tall fescue development for disease resistance. Kansas Turfgrass Conference, Topeka, KS, Nov. 2006.
- Richardson, M.D. 2006. Utilizing the new seeded bermudagrasses on athletic fields. Texas Turfgrass Conference, Austin, TX, Dec. 2006.
- Richardson, M.D. 2006. What's new with bermudagrass cultivars? Texas Turfgrass Conference, Austin, TX, Dec. 2006.
- Robbins, J. 2006. 32+ invited lectures.
- Rom, C. 2006. Opportunities and Challenges for Organic Fruit Production Science and Research. International Symposium on Organic Tree Fruit Production, Wolfville, Nova Scotia, Canada.
- Rom, C. 2006. Organic Fruit Production in the South: Opportunity or Lost Cause. ASHS. New Orleans, LA,
- Rom, C. 2006. History and Development of Crop Load Regulation in Fruit Trees. International Fruit Tree Association International Meeting. Hershey, PA.
- Rom, C. Training Systems for Modern Orchards Mid-America Fruit Growers Conference. Excelsior Springs, Mo.
- Stafne, E.T. and J.R. Clark. 2006. Japanese beetle damage on five blueberry cultivars: Potential ramifications for Oklahoma and Arkansas. Ark. Okla. Hort. Indust. Show, Tulsa, January.
- Stanton, M.A, J.C. Scheerens, R.C. Funt, and J.R. Clark. 2006. Floral Competence of Primocane-fruited Blackberries Prime-Jan™ and Prime-Jim™ Grown at Three Temperature Regimes. ASHS, New Orleans, July (poster).
- Wycislo, A.P., D.E. Karcher, and J.R. Clark. 2006. Analysis of fruit shape using digital photography. ASHS, New Orleans, July, (poster).

## **Human Environmental Sciences**

Bailey, W.C. 2006. "Dealing with couple and family issues in financial counseling." Continuing education program for financial counselors from 5 states sponsored by Consumer Credit Counseling of Arkansas. Webster College, Fayetteville, AR.

Bailey, W.C. 2006. "Financial counselor as change agent." At the Conference Toward Excellence in Education and Counseling sponsored by the Foundation for Credit Education of St. Louis, MO. Baltimore, MD.

Bailey, W.C., and J. Grable. 2006. "Vision 2007: setting a national agenda for research in financial education and financial counseling, a panel discussion." Annual Meeting of the Association for Financial Counseling, Planning and Education. San Antonio, TX.

Baldwin, V.G. 2006. "What and how to read." Northwest Arkansas Early Childhood Association. Fayetteville, AR.

Baldwin, V.G. 2006. "Project approach: hands-on learning." Northwest Arkansas Spring Child Care Conference. Fayetteville, AR.

Baldwin, V.G. 2006. "Quality family child care is not expensive – it's priceless." Northwest Arkansas Family Child Care Association. Fayetteville, AR.

Farmer, F.L. 2006. "Demographic drivers of extension planning." Annual Planning Meeting of Family and Consumer Sciences Section, Arkansas Cooperative Extension Service. Mount Magazine, AR.

Foote, J.C. 2006. "Evaluating the safety of ergogenic aids." Texas Dietetic Association Annual Meeting. The Woodlands, TX.

Foote, J.C. 2006. "Dietary supplements as possible sources of or protective measures against environmental contaminants." Arkansas Public Health Association Annual Convention. Hot Springs, AR.

Foote, J.C. 2006. "Safety and efficacy of dietary supplements." The National Kidney Foundation Network 8 Conference. Nashville, TN.

Martin, S.S. 2006. "Brain development." Parent School Involvement Conference. Arkansas Department of Education. Springdale, AR.

Jones, R., etc. 2006. "Beginnings' activities." Springdale, AR.

Takigiku, S.K. 2006. "Drug abuse in rural communities." Arkansas Women in Agriculture Conference. Hot Springs, AR.

## **Plant Pathology**

Kirkpatrick, T.L. 2006. *Meloidogyne incognita* and *Thielaviopsis basicola*: Interaction, Spatial Relationships, and Significance in Arkansas Cotton. Dept. of Plant Pathology. Louisiana State University. Baton Rouge, LA. October 18. Invited.

Korth, K.L. 2006. Entomology Department Seminar, Penn State University (September, 2006). "Preformed and induced defenses of *Medicago truncatula* against chewing insects." (Invited).

Milus, E.A. 2006. A new and more aggressive population of *Puccinia striiformis* f. sp. *tritici* in eastern United States. Page 28 in: Proceedings of the 8<sup>th</sup> Conference of the European Foundation for Plant Pathology and the British Society for Plant Pathology Presidential Meeting 2006. (Invited).

Rupe, J.C. 2006. "Current Status of Soybean Rust" Arkansas Pesticide Applicators Training Little Rock, November 21 Fayetteville, AR November 27 and Brinkley, AR, December 7. (Invited).

Rupe, J.C. 2006. "Soybean Disease Research at the Cotton Branch Station" Cotton Branch Field Day, Marianna, AR, August 24. (Invited).

Rupe, J.C. 2006. "Spore Trapping." 2006 National Soybean Rust Symposium. St. Louis, MO, November 30. (Invited).

Rupe, J.C. Wigglesworth, M.D., Smith, S., and Wickizer, S. 2006. Asian soybean rust: Syngenta spore trap project. Southern Division of APS  
[www.apsnet.org.library.uark.edu/meetings/div/so06abs.asp](http://www.apsnet.org.library.uark.edu/meetings/div/so06abs.asp). (Invited).

Rupe, J.C. 2006. "Seedling Disease Research" Arkansas Soybean Promotion Board Meeting, Stuttgart, AR, September 20. (Invited).

## **Poultry Science**

Kwon, Y.M. Invited lecture for Food Safety Consortium 2006 Symposium. "Genomic approaches to bacterial pathogens: food safety application", Oct. 1-3, 2006, Fayetteville, AR.

Anthony, N.B., and G.F. Barbato. 2006. The curve is mightier than the sword. Fifty-Fifth Annual National Breeders Roundtable Proceedings, St. Louis, Missouri, USA.

Anthony, N.B., Poultry Selection and breeding practices. Macfarlane Pheasant Farms, Janesville, Wisconsin. Invited presentation.

Anthony, N. B., Update of Midwest Poultry Grant: Growth and development of the commercial pheasant reared under different feeding regimes. Macfarlane Pheasant Farms, Janesville, Wisconsin. Invited presentation.

Bramwell, R. Keith, Effects of Uniformity on Hatching Egg Quality and Uniformity, Proceedings of the USPE Hatchery Breeder Clinic, Birmingham, AL, July 2006. (invited presentation).

Bramwell, R. Keith, Incubation and Hatchery Management, proceedings of the Annual Poultry Federation Symposium, Springdale, AR, September 2006. (invited presentation).

Bramwell, R. Keith, Scott Martin, Chris Fritts, On Farm Hatching Egg Transport and Storage, proceedings of the Jamesway Hatchery Management Seminar, Springfield, Mo., October, 2006. (invited presentation).

Chapman, H.D. (2006). World tendencies in coccidiosis control: management, anticoccidial drugs, and vaccines. In: Proceedings of the Coccidiosis Symposium, September 8, 2006, Puerto Vallarta, Mexico.

Chapman, H.D. (2006). Crossroads for coccidiosis control: anticoccidial drugs, and vaccines. In: Proceedings of the 4<sup>th</sup> Simposium Internacional de patologia aviar. October 27, 2006, Cordoba, Mexico.

Chapman, H.D. World tendencies in coccidiosis control. Poultry Coccidiosis Symposium, September 8<sup>th</sup>, 2006, Puerto Vallarta, Mexico.

Chapman, H.D. Perspectives for the control of coccidiosis in broilers by chemotherapy and vaccination. 4<sup>th</sup> Simposium Internacional de Patologia Aviar. October 27, 2006, Cordoba, Mexico.

Chapman, H.D. (2006). Managing coccidiosis in turkeys. The 2006 Poultry Federation Symposium, 4 October 2006, Holiday Inn, Springdale AR.

Donoghue (2006), Invited Presentation, Association of Registered Professional Animal Scientists. "Food Borne Pathogen Control in the Avian Gastrointestinal Tract: Strategies for the Use of Probiotics as Alternatives to Antibiotic Therapy" Washington, DC.

Donoghue (2006), Invited Presentation, Department of Animal Sciences, University of Connecticut. "Preharvest intervention strategies to reduce Campylobacter in poultry" Storrs, CT.

Donoghue (2006), Invited Presentation, Food Safety Consortium Annual Meeting. "Preharvest control and ecology of Campylobacter in poultry" Fayetteville, AR.

Emmert, J. An invited presentation titled "Methionine and cysteine metabolism in broilers" was presented on January 24, 2006 at meeting sponsored by Adisseo in Atlanta, GA.

Erf, G. "Understanding the avian immune system through basic and biomedical research." Wageningen Institute of Animal Sciences, Wageningen University, Wageningen, The Netherlands.

Erf, G. "The Smyth line chicken model for spontaneous autoimmune vitiligo." Autoimmune chicken project meeting at Krägga Herrgård, Sweden.

Erf, G. “Smyth animal model for vitiligo” National Vitiligo Foundation Meeting, Cincinnati, OH. (invited presentation).

Erf, G. Short presentations on “immunology program and flow cytometry” for various recruitment efforts, Fayetteville, AR, 4 to 5 times per year (invited presentation).

Owens, C.M., and A. Saha. 2006. Impact of Time of Boning and Marination on the Quality of Chicken Breasts. III Symposium on the Quality Of The Meat, I International Symposium on the Quality of Meat (III Simpósio Sobre A Qualidade Da Carne; I Simpósio Internacional Sobre A Qualidade Da Carne). Jaboticabal, Sao Paulo, Brazil. November 9, 2006. (Invited).

Owens, C.M., 2006. Tenderness Assessment of Poultry Meat. III Symposium on the Quality of The Meat, I International Symposium on the Quality of Meat (III Simpósio Sobre A Qualidade Da Carne; I Simpósio Internacional Sobre A Qualidade Da Carne). Jaboticabal, Sao Paulo, Brazil. November 9, 2006. (Invited).

Waldroup, P.W., 2006. Challenges in Broiler Nutrition in the 21<sup>st</sup> Century—Opportunities for China Agriculture. Szechuan University Centennial Symposium. Yaan, China.(invited).

Waldroup, P.W., 2006. Amino acid interactions and interrelationships in broiler diets low in crude protein. X International Seminar on Poultry Production and Pathology, Santiago, Chile. (invited).

Waldroup, P.W., 2006. Improving corn-soybean meal diets with enzyme supplementation. X International Seminar on Poultry Production and Pathology, Santiago, Chile.(invited).

Wideman, R. F. Developing productive research partnerships between academia and the poultry industry, 14 April, Nanjing Agricultural University, Nanjing China (Invited Presentation), 2006.

Wideman, R. F. Kidney damage in laying hens (Urolithiasis). International Conference on Avian Nutritional and Metabolic Disorders, 15 April, Nanjing Agricultural University, Nanjing China (Invited Presentation), 2006.

Wideman, R. F. Kidney damage in laying hens (Urolithiasis). International Conference on Avian Nutritional and Metabolic Disorders, 20 April, Shanxi Agricultural University, China (Invited Presentation), 2006.

Wideman, R. F. An inadequate pulmonary vascular capacity and susceptibility to pulmonary hypertension syndrome in broilers. Symposium: Metabolic and Cardiovascular Diseases in Poultry, Poultry Science Association Annual Meeting in Edmonton, Canada (Invited Presentation), 2006.

Wideman, R. F. An inadequate pulmonary vascular capacity and susceptibility to pulmonary hypertension syndrome in broilers. Seminar, Department of Animal Science, West Virginia University, Morgantown WV. (Invited Presentation), October 5, 2006.

## **OTHER LECTURES, PAPERS, AND ORAL PRESENTATIONS**

### **Agricultural Economics and Agribusiness**

Ahrendsen, Bruce L., Bruce L. Dixon, Chris Bacchus, and Latisha A. Settlege. 2006. "Commercial Bank Usage of the Farm Service Agency Interest Assistance Program." Selected paper presented at Regional Research Committee NC-1014, Agricultural and Rural Finance Markets in Transition. Washington D.C., October 2-3.

Ahrendsen, Bruce L., Bruce L. Dixon, Eddie C. Chavez, and O. John Nwoha. 2006. "Farmers on the Financial Margin." In organized symposium "Can Credit be an Effective Farm Policy Tool?" Presented at the American Agricultural Economics Association Annual Meeting, Long Beach, California, July 23-26.

Ahrendsen, Bruce L., Bruce L. Dixon, O. John Nwoha, Sandra J. Hamm and Diana Danforth. 2006. "Analysis of Farm Service Agency Direct Loan Loss Likelihoods and Loss Rates." Selected Paper presented at the American Agricultural Economics Association Annual Meeting, Long Beach, California, July 23-26.

Carreira, R. I. and H. L. Goodwin, Jr. "Estimating a Demand Function for Poultry Litter." Selected paper presented at the American Agricultural Economics Association Annual Meeting, Long Beach, California, July 23-26.

Dixon, Bruce L., Bruce L. Ahrendsen, O. John Nwoha, Sandra D. Hamm and Diana D. Danforth. 2006. "FSA Direct Farm Loan Program Graduation Rates and Reasons for Exiting." Selected paper presented at the American Agricultural Economics Association Annual Meeting, Long Beach, California, July 23-26.

Fabiosa, J., J. Beghin, D. Fengxia, E. Amani, F. Fuller, C. Hart, M. Holger, S. Tokgoz, Y. Tun-Hsiang, E. Wailes. 2005. "U.S. Proposal for WTO Agriculture Negotiations: Its Impact on U.S. and World Agriculture." Iowa State University, Dept. of Econ. Staff Research Paper No. 12488. Prepared for Senator Chabliss, Committee on Agriculture, U.S. Senate. December.

Mane, R. and E. Wailes. 2006. "Impact of Trade Liberalization in Rice: Assessing Alternative Proposals." Selected paper presented at American Agricultural Economics Association Annual Meeting, Long Beach, CA, July 23-26.

McKenzie, A. M., and M. R. Thomsen. 2006. "Impact of Disaster Events on the U.S. Grain and Oilseed Sector: The Case of Hurricane Katrina." In organized symposium for American Agricultural Economics Association Annual Meeting, Long Beach, California, July 23-26.

Nwoha, John, Bruce L. Ahrendsen, Bruce L. Dixon, Eddie C. Chavez, and Daniel M. Settlege. 2006. "Farm Service Agency Direct Farm Loan Volumes and Market Penetration by Farm Size, Socially disadvantaged and Beginning Farmer Cohorts, 2000-2003." Selected paper presented at Regional Research Committee NC-1014, Agricultural and Rural Finance Markets in Transition, Minneapolis, MN, October 3-4.

Settlage, Latisha A., Bruce L. Dixon, Bruce L. Ahrendsen, and Steve R. Koenig. 2006. "Factors Determining the Use of Guaranteed Loans by U.S. Commercial Banks." Selected paper presented at the American Agricultural Economics Association Annual Meeting, Long Beach, California, July 23-26.

Settlage, Latisha, Bruce Dixon, Bruce Ahrendsen, and Steve Koenig. 2006. "A Detailed Look at Lender Participation in the Farm Service Agency Guaranteed Loan Program." Presented at Regional Research Committee NC-1014 Agricultural and Rural Finance Markets in Transition, Washington D.C., October 2-3.

Teague, Tina Gray, N. P. Tugwell, Diana M. Danforth and Patricia F. O'Leary. 2006. "Decisions Guides for Late Season Management of Tarnished Plant Bug in Midsouth Cotton Using the COTMAN™ crop monitoring system." Poster presented at the Fifth National IPM Symposium, St. Louis, Missouri, April 4-6. Poster 052 at web site <http://www.ipmcenters.org/ipmsymposiumv/poster/index.html>

Wailes, E. J. "Prospect and Challenges for the 2007 Farm Bill." 2006. Paper prepared for the Arkansas Farm Bureau. Arkansas Agriculture. February.

Wailes, E. 2006. "China's Food and Agriculture: Key Issues." Presentation to NATO Parliamentary Assembly, Economics and Security Committee. June 26, Springdale, Arkansas.

Wailes, E. 2006. "U.S. Rice Trade with Mexico: Integrated Supply Chain or Just Exports?" In organized symposium "Impacts of North American Economic Integration on U.S. Agricultural Products." American Agricultural Economics Association Annual Meeting, Long Beach, CA. July 23-26.

Wailes, E. 2006. "Payment Limits." Informa Farm Policy Roundtable. Washington, DC. July 27.

Watkins, B. 2006. "Environmental Issues Related to Arkansas Rice Production." Presented at the Arkansas Department of Education, Economic Education Workshop entitled "Economics and the Environment: A Natural Connection," Stuttgart High School, Stuttgart, Arkansas, July 17-21.

Watkins, K. B., P. A. Beck, D. S. Hubbell, M. M. Anders, S. A. Gunter, J. L. Hill, S. Gadberry, and K. S. Lusby. 2006. "Whole-Farm Economic Analysis of Conservation Tillage Winter Small Grains Forage Production in Arkansas." Presented at the 2006 Arkansas Cattle Growers' Conference, Senior Adult Center, Clark County Fairgrounds, Arkadelphia, Arkansas, August 8.

### **Agricultural Statistics**

Buchanan, M.L., C.S. Rothrock, E.E. Gbur, P.D. Coyer, R. Kemerait, and K.W. Seebold 2006. Value of the use of in-furrow fungicides for cotton. Beltwide Cotton Conferences.

Krementz, D.G. and E.E. Gbur 2006. American woodcock Wingbee reliability. Tenth American Woodcock Symposium.

Golden, B.R., N.A. Slaton, R.J. Norman, E.E. Gbur, K.R. Brye, and R.E. DeLong 2006. The urea-nitrogen equivalence of fresh and pelleted poultry litter for flood-irrigated rice. Meeting of the Rice Technical Working Group.

Pollard, S.P. J.S. Popp, E.E. Gbur and M.K. Cleaveland 2006. Extracting recyclables and solid waste generation rates at a multi-family dwelling. Air and Waste Management Association annual meeting.

Chaubey, I. M. Gitau, D. Ennannay, M. Nelson, E. Gbur, J. Popp, and J. Pennington. 2006. Effectiveness and optimization of BMPs in improving water quality impacted by land application of animal manure. Workshop entitled "Managing Agricultural Landscapes for Environmental Quality: Strengthening the Science Base." Kansas City, MO.

Popp, J., G. Rodriguez, J. Pennington, E. Gbur, M. Steele, I. Chaubey, and M. Gitau 2006. From Conflict to Cooperation: Enlisting stakeholders to address water quality disputes in an embattled watershed. Workshop entitled "Managing Agricultural Landscapes for Environmental Quality: Strengthening the Science Base." Kansas City, MO.

Chaubey, I., E. Gbur, B. Kurz, M. Nelson, J. Popp, M. Steele, and K. Teague 2006. Effectiveness and optimization of BMPs in improving water quality from an agriculturally dominated watershed. USDA-CSREES National Water Quality Conference. San Antonio, TX.

Popp, J., G. Rodriguez, J. Pennington, E. Gbur, and I. Chaubey 2006. From conflict to cooperation: Enlisting stakeholders to address water quality disputes in an embattled watershed. National Public Policy Education Conference. Fayetteville, AR.

Popp, J., G. Rodriguez, J. Pennington, E. Gbur, M. Steele, I. Chaubey, and M. Gitau 2006. From Conflict to Cooperation: Enlisting stakeholders to address water quality disputes in an embattled watershed. Arkansas Watershed Advisory Group Conference "Clean Water Stronger Communities". Fayetteville, AR. [Poster].

Mauromoustakos A. and K. Thompson. 2006. JSL scripts for extending available statistical tests in JMP Version 6. Joint Statistical Meetings of the American Statistical Association, Seattle, WA.

Mauromoustakos, A., V. Fasoula and K. Thompson 2006. Honeycomb designs computing and analysis. International Biometric Society, ENAR Spring Meetings, Tampa, FL.

Mauromoustakos, A. 2006. H-ITT use in the classroom. JMP Users Conference, Cary, NC.

## **Animal Science**

Apple, J. K., C. V. Maxwell, D. L. Galloway, S. Hutchison, and J. T. Sawyer. 2006. Effect of dietary fat source on fatty acid composition of backfat from growing-finishing swine. *J. Anim. Sci.* 84(Suppl. 2):58.

Apple, J. K., C. V. Maxwell, D. L. Galloway, S. Hutchinson, and J. T. Sawyer. 2006. Effect of dietary fat source on the polyunsaturated fatty acid (PUFA) composition on backfat from growing-finishing swine. *J. Anim. Sci.* 84(Suppl. 2):58.

Apple, J. K., C. V. Maxwell, D. L. Galloway, S. Hutchison, and J. T. Sawyer. 2006. Effect of dietary fat source on fatty acid composition of backfat from growing-finishing swine. *J. Anim. Sci.* 84(Suppl. 2):58.

Apple, J. K., C. V. Maxwell, D. L. Galloway, S. Hutchinson, and J. T. Sawyer. 2006. Effect of dietary fat source on the polyunsaturated fatty acid (PUFA) composition on backfat from growing-finishing swine. *J. Anim. Sci.* 84(Suppl. 2):58.

Apple, J. K., C. V. Maxwell, D. L. Galloway, S. Hutchison, and J. T. Sawyer. 2006. Effect of dietary fat source on the monounsaturated fatty acid (MUFA) composition of backfat from growing-finishing swine. *J. Anim. Sci.* 84(Suppl. 2):111.

Apple, J. K., C. V. Maxwell, D. L. Galloway, S. Hutchison, and J. T. Sawyer. 2006. Effect of dietary fat source on the saturated fatty acid (SFA) composition of backfat from growing-finishing swine. *J. Anim. Sci.* 84(Suppl. 2):111.

Apple, J. K., C. V. Maxwell, D. L. Galloway, S. Hutchison, and J. T. Sawyer. 2006. Effect of dietary fat source on the saturated fatty acid (SFA) composition of backfat from growing-finishing swine. *J. Anim. Sci.* 84(Suppl. 2):111.

Baublits, R.T., F.W. Pohlman, A.H. Brown, Jr., Z.B. Johnson, A. Proctor, J. Sawyer, P. Dias-Morse, and D.L. Galloway. 2006. Injection of conjugated lineolic acid into beef strip loins. *AAES Research Series* 545:12-18.

Baublits, R.T., F.W. Pohlman, A.H. Brown, Jr., Z.B. Johnson, A. Proctor, J.T. Sawyer, P. Diass-Morse, and D.L. Galloway. 2006. Injection of conjugated lineolic acid into beef strip loins. 59<sup>th</sup> Reciprocal Meat Conference, June 18-21, Univ. of Illinois (Abstr.).

Bradley, C.L., M.E. Davis, D.C. Brown, C.V. Maxwell, Z.B. Johnson, R. Musser and R. Dvorak. 2006. Leukocyte proportions and interferon-gamma concentration in colostrum and milk of lactating sows supplemented with mannan oligosaccharides during gestation and lactation. *J. Anim. Sci.* 84(Suppl. 2):74.

Brown, D.C., M.E. Davis, C.V. Maxwell, T. Rehberger and Z.B. Johnson. 2006. Evaluation of *Bacillus* cultures (88/18) and antibiotic supplementation administered in the diets of nursery pigs on growth performance and potential immunological model of action. *AAES Research Series* 545:108-112.

Brown, D.C., M. E. Davis, B. Lockhart, B. Bass, T. Rehberger, G. I. Solano-Aguilar, E. A. Jones, H. D. Dawson, and C. V. Maxwell. 2006. Effect of milk supplementation with *Lactobacillus brevis* 1E1 on jejunal gene expression. *FASEB* 20(5):A1057.

Brown, D.C., M. E. Davis, B. Lockhart, B. Bass, T. Rehberger, G. I. Solano-Aguilar, E. A. Jones, H. D. Dawson, and C. V. Maxwell. 2006. Effect of milk supplementation with *Lactobacillus brevis* 1E1 on jejunal gene expression. *FASEB* 20(5):A1057.

Davis, M.E., D.C. Brown, C.V. Maxwell, T. Rehberger and Z.B. Johnson. 2006. Immunomodulatory effects of a bacillus-based direct-fed microbial and antibiotics on the cytokine profile of nursery pigs. *J. Anim. Sci.* 84(Suppl. 2):114.

Davis, M. E., D. C. Brown, M. S. Dirain, H. D. Dawson, C. Maxwell and T. Rehberger. 2006. Comparison of direct-fed microbial and antibiotic supplementation on innate and adaptive immune characteristics of weanling pigs. *Reprod. Nutr. Dev.* 46(Suppl. 1):S63.

Davis, T. E., B. Kegley, K. Coffey, W. Coblenz, R. Ogden, and P. Hornsby. 2006. Effects of grain by-products as supplements for stocker cattle grazing bermudagrass. *Ark. Anim. Sci. Dept. Rep.*, p. 120-123.

Davis, T. E., E. B. Kegley, K. P. Coffey, W. K. Coblenz, R. K. Ogden, and J. A. Hornsby. 2006. Effects of grain by-products as supplements for stocker cattle grazing bermudagrass. *Discovery, The Student Journal of the DBCAFLS* 7:19-26.

Florez-Diaz, H., E. B. Kegley, G. F. Erf, D. L. Kreider, K. P. Coffey, J. K. Apple, and N. D. Luchini. 2006. Effects of rumen-protected Ca salts of conjugated linoleic acid (CLA) and previous rate of gain on growth performance, immune function, and carcass characteristics of feedlot cattle. *J. Anim. Sci.* 84(Suppl. 1):70.

Florez-Diaz, H., E. B. Kegley, G. F. Erf, D. L. Kreider, K. P. Coffey, N. D. Luchini, and S. L. Krumpelman. 2006. Influence of rate of growth and rumen-protected Ca salts of conjugated linoleic acid (CLA) and on growth performance, immune function, and lipid metabolism of growing cattle. *J. Anim. Sci.* 84(Suppl. 1):70.

Florez-Diaz, H., E. B. Kegley, G. F. Erf, D. L. Kreider, K. P. Coffey, J. K. Apple, and N. D. Luchini. 2006. Effects of Ca salts of conjugated linoleic acid and previous rate of weight gain on growth performance, immune function, and carcass characteristics of beef cattle. *Ark. Anim. Sci. Dept. Rep.*, p. 163-166.

Florez-Diaz, H., E. B. Kegley, G. F. Erf, D. L. Kreider, K. P. Coffey, N. D. Luchini, and S. L. Krumpelman. 2006. Influence of live weight gain and calcium salts of conjugated linoleic acid on growth performance and immune function of growing cattle. *Ark. Anim. Sci. Dept. Rep.*, p. 167-169.

Frank, J.W., C.L. Bradley, M.E. Davis, D.C. Brown, Z.B. Johnson, R. Musser, and C.V. Maxwell. 2006. Feeding mannan oligosaccharides to sows during gestation and lactation alters immune cells in milk. *AAES Research Series* 545:105-107.

- Harrington, T., J. Pennington, Z. Johnson, A.H. Brown, D.W. Kellogg, C. Rosenkrans, M. Andrews, and J. Hawkins. 2006. Factors affecting udder singeing in dairy cattle. *J. Anim. Sci.* 84(Suppl. 1):280.
- Johnson, Z.B., and R.A. Nugent, III. 2006. Prediction of number born alive and weaning weight of litter in first parity sows using performance test traits in four breeds of swine. *AAES Research Series* 545:113-116.
- Johnson, Z., J. May, R. Dollar, C. Golden, M. Nihsen, K. May, M. Looper, and C. Rosenkrans, Jr. 2006. Use of blood metabolites at weaning as predictors of beef carcass traits. *J. Anim. Sci.* 84(Suppl. 2):38.
- Kellogg, D.W., J.A. Pennington, Z.B. Johnson, K.S. Anschutz, D.P. Colling, and A.B. Johnson. 2006. Effects of feeding *Tasco Ascophyllum nodosum* to large and small dairy cows during summer months in central Arkansas. *J. Anim. Sci.* 84(Suppl. 1):72.
- Lee, M. S., J. K. Apple, C. V. Maxwell, D. L. Gallowy, J. T. Sawyer, and J. W. S. Yancey. 2006. Effects of dietary fat source and slaughter weight on LM fatty acid composition of growing-finishing swine. *J. Anim. Sci.* 84(Suppl. 2):20.
- Lee, M. S., J. K. Apple, C. V. Maxwell, D. L. Gallowy, J. T. Sawyer, and J. W. S. Yancey. 2006. Effects of dietary fat source and slaughter weight on LM fatty acid composition of growing-finishing swine. *J. Anim. Sci.* 84(Suppl. 2):20.
- Maxwell, C. V. 2006. Three invited presentations were made to three regional Land-O'-Lakes meetings on October 2 at Albert Lee, MN, on October 4 at Sioux City, IA, and on October 11 at Indianapolis, IN. Title of presentation was "Nutrition and Management of the Neonatal and Weaned Pig."
- Moubarak, A.S., Hehai Wang, Z.B. Johnson and C.F. Rosenkrans, Jr. 2006. Interaction of fescue toxin with liver enzyme P450 3A. *AAES Research Series* 545:143-145.
- Pereira, J.A.C., J. Landivar, J. Asfura, A.H. Brown, Jr., Z. Johnson, and D.W. Kellogg. 2006. Parameters and correlations of body measurements related to growth traits in Nelore cattle prepared for show and judging. 8<sup>th</sup> World Congress on Genetics Applied to Livestock Production, August 13-18. Belo Horizonte, MG, Brazil.
- Pereira, J.A.C., J.H. Landivar, A.H. Brown, Jr., Z.B. Johnson, and D.W. Kellogg. 2006. Influence of the reproductive system on gestation length and birth weight of Nelore cattle in the sub-tropical area of Bolivia. *J. Anim. Sci.* 84(Suppl. 1):15.
- Reiter, S., M. Nihsen, D. Freider, Z. Johnson, and C. Rosenkrans, Jr. 2006. Effects of dexamethasone, and selenium and vitamin E on heat shock protein concentrations and lactate dehydrogenase activity in immune challenged steers consuming tall fescue baleage. *J. Anim. Sci.* 84(Suppl. 2):14.

Rorie, Rick. Use of Electronic Heat Detection in Breeding Dairy Cattle. Fayetteville Dairy Meeting. April, 2006.

Rowe, C.W., R.T. Baublits, A.H. Brown, Jr., F.W. Pohlman, E.J. Yancey, Z.B. Johnson, and P. Dias-Morse. 2006. Solution enhancement and post-enhancement storage effects on the quality, sensory and retail display characteristics of beef triceps brachii muscles. *J. Anim. Sci.* 84(Suppl. 1):115.

Rowe, C.W. F.W. Pohlman, A.H. Brown, Jr., R.T. Baublits, and Z.B. Johnson. 2006. Effects of salt, BHA/BHT and differing phosphate types on quality and sensory characteristics of beef longissimus muscles. 59<sup>th</sup> Reciprocal Meat Conference, June 18-21, Univ. of Illinois (Abstr.).

Rowe, C.W., R.T. Baublits, F.W. Pohlman, A.H. Brown, Jr., E.J. Yancey, and Z.B. Johnson. 2006. Impact of muscle type and sodium chloride concentration on the quality, sensory, and instrumental color characteristics of solution enhanced whole-muscle beef. 59<sup>th</sup> Reciprocal Meat Conference, June 18-21, Univ. of Illinois (Abstr.).

Sawyer, J.T., R.T. Baublits, J.K. Apple, J.-F. Meullenet, Z.B. Johnson, and T.K. Alpers. 2006. Lateral and longitudinal characterization of instrumental tenderness and sensory characteristics in the beef semimembranosus. *AAES Research Series* 545:43-46.

Sawyer, J.T., R.T. Baublits, J.K. Apple, and Z.B. Johnson. 2006. Longitudinal and lateral characterization of color stability in the beef semimembranosus. *AAES Research Series* 545:47-51.

Sawyer, J.T., R.T. Baublits, J.K. Apple, and Z.B. Johnson. 2006. Longitudinal and lateral characterization of color stability in the beef semimembranosus. 59<sup>th</sup> Reciprocal Meat Conference, June 18-21, Univ. of Illinois (Abstr.).

Sawyer, J.T., R.T. Baublits, J.K. Apple, J.-F. Mullenet, Z.B. Johnson and T.K. Alpers. 2006. Longitudinal and lateral characterization of instrumental tenderness and sensory characteristics in the beef semimembranosus. 59<sup>th</sup> Reciprocal Meat Conference, June 18-21, Univ. of Illinois (Abstr.).

Tabler, G.T., Jr., A.H. Brown, Jr., E.E. Gbur, Jr., I.L. Berry, Z.B. Johnson, D.W. Kellogg and K.C. Thompson. 2006. Effects of selected weather factors prior to feeding on feed intake of beef bulls during feedlot performance tests. *AAES Research Series* 545:191-195.

Tovar-Luna, I., A.L. Goetsch, R. Puchala, T. Sahlu, G.E. Carstens, H.C. Freetly, and Z.B. Johnson. 2006. Efficiency of energy use for pregnancy by crossbred Boer x Spanish does with different litter size. *J. Anim. Sci.* 84(Suppl. 1):26.

Yancey, J. W. S., J. K. Apple, C. V. Maxwell, D. L. Galloway, J. T. Sawyer, and M. S. Lee. 2006. Effects of dietary fat source and slaughter weight on the fatty acid composition of carcass composition samples from growing-finishing swine. *J. Anim. Sci.* 84(Suppl. 2):20-21.

Yancey, J. W. S., J. K. Apple, C. V. Maxwell, D. L. Galloway, J. T. Sawyer, and M. S. Lee. 2006. Effects of dietary fat source and slaughter weight on the fatty acid composition of carcass composition samples from growing-finishing swine. *J. Anim. Sci.* 84(Suppl. 2):20-21.

### **Biological and Agricultural Engineering**

Bajwa, S. G., and M. Mozaffari. 2006. "Response of cotton canopy reflectance to nitrogen fertilization." In. N. A. Slaton (Ed.) Wayne E. Sabbe *Arkansas Soil Fertility Studies 2005*, p.18-21, Research Series 525, Arkansas Agricultural Experiment Station, Division of Agriculture, Fayetteville, AR.

Bajwa, S. G., and M. Mozaffari. 2006. "Correlating vegetative indices with nitrogen treatments in Cotton." In. D. Oosterhuis (Ed.) *Summaries of Arkansas Cotton Research 2005*, p.164-170, Arkansas Agricultural Experiment Station, Division of Agriculture, Fayetteville, AR.

Daniels, M. B., B. E. Haggard, and A.N. Sharpley. 2006. "Arkansas Watersheds", UA Division of Agriculture Cooperative Extension Service FSA.

Singh, N., and S. G. Bajwa. 2006. "Analysis of evolving surface urban heat island in NW Arkansas." IEEE Region 5 Technical Meeting, April 20-22, 2007, Fayetteville, AR.

Leh, M., and S. G. Bajwa. 2006. "Long term land use patterns in NW Arkansas." IEEE Region 5 Technical Meeting, April 20-22, 2007, Fayetteville, AR.

Bajwa, S. G., and J. Rupe. 2006. "Soybean disease discrimination with canopy reflectance." ASABE annual international meeting and conference, July 17-21, Minnesota, MN.

Bajwa, S. G., A. S. Anthony, and D. S. Bajwa. 2006. "Effect of accelerated aging on the physical and mechanical properties of wood-polymer composites." In. *Proc. Woodfiber-Plastic Composite 2007 International Conference*, May 21-23, 2007. Toronto, ON, Canada.

Bajwa, S. G., and D. Gardisser. 2006. "GIS/GPS spatial technology utilization in agricultural aviation." A professional development course presented at the National Agricultural Aviation Association Annual Meeting, Dec. 3-6, 2006, Orlando, FL.

Bajwa, S. G., and M. Mozaffari. 2006. "Effect of petiole nutrients in cotton on vegetative indices." ASABE Paper No. 061170. St. Joseph, MI: ASABE.

Bajwa, S. G., and E.D. Vories. 2006. "Spectral response of cotton canopy to water stress." ASABE Paper No. 061064. St. Joseph, MI: ASABE.

Kulkarni, S., and S. G. Bajwa. 2006. "Identifying soil compaction in cotton using vegetation index." In. *Proc. Eighth International Precision Agriculture Conference*, July 23-26, Minneapolis, MN.

Mutlu Buyuran, E. O., I. Chaubey, H. Hexmoor, and S. G. Bajwa. 2006. "Comparison of artificial neural network models for hydrologic prediction in agricultural watersheds." Arkansas Water Resources Commission's Annual Meeting. April 18, 2006. Fayetteville, AR.

Vibhava, V., and S. G. Bajwa. 2006. "Spatially distributed hydrological modeling with GIS and artificial neural networks." ASPRS Central Region's Spring Technical Meeting. April. 20, 2006. Fayetteville, AR.

Bajwa, S. G., and K. Kulkarni. 2006. "Soil Compaction Monitoring and Modeling with VERIS and Crop Response." Report Submitted to Cotton Foundation.

Bajwa, S. G. 2006. "Pesticide pollution risk assessment and mitigation training in Arkansas Delta." Report submitted to EPA Region 6.

Singh, N., and S. G. Bajwa. 2007. "Analysis of evolving surface urban heat island in NW Arkansas." IEEE Region 5 Technical Meeting, April 20-22, 2007, Fayetteville, AR.

Leh, M., and S. G. Bajwa. 2007. "Long term land use patterns in NW Arkansas." IEEE Region 5 Technical Meeting, April 20-22, 2007, Fayetteville, AR.

Bajwa, S. G., and J. Rupe. 2007. "Soybean disease discrimination with canopy reflectance." ASABE annual international meeting and conference, July 17-21, Minnesota, MN.

Bajwa, S. G., and H. Gadiraju. 2007. "Laboratory evaluation of clinoptilolite for ammonia emission mitigation from broiler houses." International Symposium on Air Quality and Waste Management for Agriculture. Sept. 15-19, Broomfield, CO.

Bajwa, S. G., A. S. Anthony, and D. S. Bajwa. 2007. "Effect of accelerated aging on the physical and mechanical properties of wood-polymer composites." In. Proc. Woodfiber-Plastic Composite 2007 International Conference, May 21-23, 2007. Toronto, ON, Canada.

Bajwa, S. G., and D. Gardisser. 2006. "GIS/GPS spatial technology utilization in agricultural aviation." A professional development course presented at the National Agricultural Aviation Association Annual Meeting, Dec. 3-6, 2006, Orlando, FL.

Bajwa, S. G., and M. Mozaffari. 2006. "Effect of petiole nutrients in cotton on vegetative indices." ASABE Paper No. 061170. St. Joseph, MI: ASABE.

Bajwa, S. G., and E.D. Vories. 2006. "Spectral response of cotton canopy to water stress." ASABE Paper No. 061064. St. Joseph, MI: ASABE.

Kulkarni, S., and S. G. Bajwa. 2006. "Identifying soil compaction in cotton using vegetation index." In. Proc. Eighth International Precision Agriculture Conference, July 23-26, Minneapolis, MN.

Mutlu Buyuran, E. O., I. Chaubey, H. Hexmoor, and S. G. Bajwa. 2006. "Comparison of artificial neural network models for hydrologic prediction in agricultural watersheds." Arkansas Water Resources Commission's Annual Meeting. April 18, 2006. Fayetteville, AR.

Vibhava, V., and S. G. Bajwa. 2006. "Spatially distributed hydrological modeling with GIS and artificial neural networks." ASPRS Central Region's Spring Technical Meeting. April. 20, 2006. Fayetteville, AR.

Bajwa, S. G., 2006. "Remote sensing to detect nitrogen stress in rice. Precision Agriculture Symposium." Arkansas Crop Management Conference. Jan. 31, 2006. Little Rock, AR.

Wallace S., K. Vaughn, D. J. Carrier, E. Clausen and J. King (2006) "Application of Bioassays for Evaluating Critical Fluid Extracts", ISSF2006, Kyoto Japan.

Carrier D. J., S. Wallace, K. Vaughn, E. Clausen and J. King (2006) "Extraction of phytochemicals coupled to energy production." American Society of Pharmacognosy, Washington DC August 2006.

King J., D. J. Carrier and E. Clausen, "Bioactive extracts for food use using pressurized fluid technology." In the session: Nutraceuticals and Bioactives in Edible Oils and their Processing Co-Products, American Oil Chemists Society (AOCS) World Conference and Exhibition on Oilseed and Vegetable Oil Utilization. Istanbul, Turkey. August 2006.

Costello, T. A. and L. A. Roe. 2006. "On-farm demonstration of litter combustion." Quarterly Reports, Annual Report, Final Report, Arkansas Natural Resources Commission, Project No. 03-800.

Haggard, B., and J. Giovanetti. 2006. "Watershed Investigative Support to the Beaver Water District: Total Organic Carbon Concentrations in Streams Draining the Beaver Lake Basin," Beaver Water District, Lowell, Arkansas.

Giovanetti, J., B. E. Haggard, R. Morgan, and M.D. Matlock. 2006. "Organic carbon and nutrient sources related to land use in the Beaver Reservoir Watershed," Northwest Arkansas. Annual Meeting American Water Resources Association, Baltimore, Maryland.

Giovanetti, J., B. E. Haggard, R. Morgan, and M.D. Matlock. 2006. "Total organic carbon concentrations related to land use in the Beaver Lake Basin." Annual Meeting American Ecological Engineering Society, Berkley, California.

Haggard, B. E. 2006. "Phosphorus sources, concentrations and loads at the Illinois River, Arkansas and Oklahoma." Annual Meeting ASA-SSSA-CSSA, Indianapolis, Indiana.

Haggard, B. E., M.D. Matlock, R.S. Avery and S.M. Williamson. 2006. "Algal nutrient limitation at Lake Eucha, Oklahoma 2003 – 2005." Arkansas Water Resources Center Annual Conference, Fayetteville, Arkansas.

Haggard, B. E., M.D. Matlock, R.S. Avery and S.M. Williamson. 2006. "Algal nutrient limitation at Lake Eucha, Oklahoma 2003 – 2005." Texas Rivers and Reservoirs Society Annual Conference, Austin, Texas.

Haggard, B. E., K.L. White, M.D. Matlock, and J. W. Kim. 2006. "Periphytic chlorophyll-a response to Triclosan exposure in the White River, Northwest Arkansas." Arkansas Water Resources Center Annual Conference, Fayetteville, Arkansas.

Haggard, B. E., K.L. White, M.D. Matlock, and J. W. Kim. 2006. "Periphytic chlorophyll-a response to Triclosan exposure in the White River, Northwest Arkansas." Texas Rivers and Reservoirs Society Annual Conference, Austin, Texas.

Haggard, B. E., K.R. Brye, and D.R. Smith. 2006. "Stream Water and Sediment Phosphorus Equilibrium at Ozark Streams, Northwest Arkansas, USA 2003–2004." Annual Meeting ASA–SSSA–CSSA, Indianapolis, Indiana.

Haggard, B. E. and G.S. Toor. 2006. "Water extractable elements in raw, heated and granulated poultry litters." USDA CSREES National Water Conference, San Antonio, Texas.

Haggard, B. E., G.S. Toor, M.S. Reiter, T.C. Daniel and A.M. Donoghue. 2006. "Does poultry litter affect water extractable phosphorus in litters and litter-amended soils." National Poultry Waste Management Symposium, Springdale, Arkansas.

Köller, M., M. D. Matlock, and B. E. Haggard. 2006. "Trophic conditions and nutrient limitation on Beaver Lake, Northwest Arkansas." Annual Meeting American Ecological Engineering Society, Berkley, California.

Ludwig, A. L., M. D. Matlock, and B. E. Haggard. 2006. "Application of nutrient diffusing substrate bio-assay for stream assessment." Arkansas Water Resources Center Annual Conference, Fayetteville, Arkansas.

Ludwig, A. L., M. D. Matlock, and B. E. Haggard. 2006. "Application of nutrient diffusing substrate bio-assay for stream assessment." Texas Rivers and Reservoirs Society Annual Conference, Austin, Texas.

Ludwig, A. L., M.D. Matlock, and B. E. Haggard. 2006. "Identification and Evaluation of limiting factors on algal growth in headwater Ozark streams." Annual Meeting American Ecological Engineering Society, Berkley, California.

Ludwig, A. L., M.D. Matlock, and B. E. Haggard. 2006. "Identification and Evaluation of limiting factors on algal growth in headwater Ozark streams." Annual Meeting Institute American Ecological Engineering Society, Berkley, California.

Migliaccio, K. W., B. E. Haggard, I. Chaubey, and M. D. Matlock. 2006. "Seasonality, land use and scale influences on stream water quality," Annual Meeting Florida Section ASABE, Jupiter, Florida.

Toor, G. S. and B. E. Haggard. 2006. "Phosphorus dynamics in soil amended with raw, ground, heated and granulated poultry litter." Annual Meeting ASA – SSSA – CSSA, Indianapolis, Indiana.

Toor, G. S., B. E. Haggard, and A. M. Donoghue. 2006. "Does poultry litter granulation affect trace elements in litters and litter amended soils." National Poultry Waste Management Symposium, Springdale, Arkansas.

Toor, G. S., J. T. Sims, and B. E. Haggard. 2006. "Phosphorus leaching in soils: effect of soil type, soil phosphorus saturation, and animal manures generated from modified diets." 18th World Congress of Soil Science, Philadelphia, Pennsylvania.

Toor, G. S., J. D. Peak, B. J. Cade-Menum, J. T. Sims, and B. E. Haggard. 2006. "Identification and quantification of organic and inorganic forms of phosphorus in animal manures generated by dietary modification." 18th World Congress of Soil Science, Philadelphia, Pennsylvania.

Toor, G. S., and B. E. Haggard. 2006. "Extractability of trace elements in raw, heated and granulated poultry litters." 18th World Congress of Soil Science, Philadelphia, Pennsylvania.

White, M., D. E. Storm, and B. E. Haggard. 2006. "Modeling phosphorus transport from catchments using SWAT and an in-stream component". Modeling Phosphorus Transport in Agroecosystems: Joining Users, Developers, and Scientists, SERA17-IEG, Ithaca, New York.

Kim, J. W. and T.L. Peebles. "Screening extremophiles for bioconversion potentials." Biotechnol. Prog. 22:1720-1724.

Kim, J. W., N. Kotagiri PhD, E.V. Shashkov, E.I. Galanzha, and V.P. Zharov. "Photothermal antimicrobial nanotherapy with self-assembling carbon nanotube clusters." Lasers in Surgery and Medicine.

Kim, J. W., N. Kotagiri PhD, J. H. Kim PhD, and R. Deaton. 2006. "In situ fluorescence microscopy visualization and characterization of nanometer scale carbon nanotubes labeled with 1-pyrenebutanoic acid, succinimidyl ester." Appl. Phys. Lett. 88:213110 (Selected for the June 5, 2006 issue (Vol. 13, Issue 22) of the Virtual Journal of Nanoscale Science and Technology).

S. Tung and J. W. Kim, 2006. "Microscale hybrid devices powered by biological flagellar motors." IEEE Transactions on Automation Science and Engineering 3:260-263.

Kim, J. W. and S. Tung. 2006. "Hybrid flagellar motor/MEMS based TNT detection system." Proc. SPIE 6223:62230A.

M. Al-fandi PhD, J. W. Kim, A. Malshe, S. Tung, J. Jenkins, and R. Pooran PhD. 2006. "Chemo-sensitivity and reliability of flagellar rotary motor in a MEMS microfluidic actuation system". Sensors and Actuators B: Chemical 114:229-238.

J. Chen, R. Deaton, M. Garzon, J. W. Kim, D.H. Wood, H. Bi, D. CarpenterMS, and Y.-Z. Wang. 2006. "Characterization of non-crosshybridizing DNA oligonucleotides manufactured in vitro." *Natural Computing* 5:165-181.

V.P. Zharov, J. W. Kim, D.T. Curiel, and M. Everts. 2006. "Amplified laser-nanocluster interaction in DNA, viruses, bacteria, and cancer cells: potential for nanodiagnostics and nanotherapy." *Lasers in Surgery and Medicine* 38(S18):16.

Kim, J. W. 2007. "Challenge to Bio-Actuators: Hybrid Flagellar Motor/MEMS Based Systems." *International Symposium on Neo-Robotics*, Nagoya Institute of Technology, Nagoya, Japan (Invited Paper).

Kim, J. W. N. Kotagiri PhD, R. Deaton, and S. Tung. 2007. "DNA-Directed Self-Assembly of Microscopic 1-D Carbon Nanotube Wire." *IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS)*, Bangkok, Thailand.

Clendenin J. PhD, S. Tung, and J. W. Kim. 2007. "An Aligned Carbon Nanotube Biosensor for DNA Detection." *IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS)*, Bangkok, Thailand.

Kim, J. W., J.S. Lee PhD, and R. Deaton. 2007. "Non-Crosshybridizing Oligonucleotide Building Blocks for Accurate, Scalable, and High-Rate Nanofabrication." *IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS)*, Bangkok, Thailand.

Kim, J. W., R. Deaton, and S. Tung. 2006. "Development of Electrically Addressable DNA-Based Carbon Nanotube Wire Bio/Nano Sensors." *International Food Nanotechnology Conference*, Orlando, FL.

Kim, J. W. and S. Tung. 2006. "Hybrid Flagellar Motor/MEMS Based TNT Detection System." *The International Society for Optical Engineering (SPIE) (Session – Micro (MEMS) and Nanotechnologies for Space Applications)*, Orlando, FL.

Kim, J. W., R. Deaton, J. Chen, and J.S. LeePhD. 2006. "Genomic Pattern Classifier Based on a Biological Memory with In Vitro Learning and Associative Recall." *DNA 12: 12th International Meeting on DNA Computing*, Seoul, Korea.

Zharov, V.P., J. W. Kim, D.T. Curiel, and M. Everts. 2006. "Amplified Laser-Nanocluster Interaction in DNA, Viruses, Bacteria, and Cancer Cells: Potential for Nanodiagnostics and Nanotherapy." *26th Annual Meeting of the American Society for Laser medicine and Surgery*, Boston, MA.

Kim, J. W., R. Deaton, J.S. LeePhD, and H.D. Wijesekera PhD. 2006."In Vitro Selection for Large Libraries of Non-Crosshybridizing DNA Oligonucleotides for DNA Computing and DNA-Based Nanotechnology." *Institute of Biological Engineering (IBE) Annual Meeting*, Tucson, AZ.

Kotagiri, N. PhD, and J. W. Kim. 2006. "Modeling of Hybridization kinetics of DNA-CNT Adducts in Solution." Institute of Biological Engineering (IBE) Annual Meeting, Tucson, AZ.

Kim, J. H. PhD, and J. W. Kim. 2006. "DNA Hybridization Kinetics Based on Reaction and Diffusion in DNA-Carbon Nanotube Nanoarray System." Institute of Biological Engineering (IBE) Annual Meeting, Tucson, AZ.

Garrison, T.F. MS, J. W. Kim, and R. Deaton. 2006. "Self-Assembly of Microscopic DNA Wire Through One-Dimensional DNA Percolation." Institute of Biological Engineering (IBE) Annual Meeting, Tucson, AZ.

Kim, J. W., J.S. Lee PhD, and R. Deaton. 2006. "A Biological Memory with In Vitro Learning and Associative Recall as a Genomic Pattern Classifier." Institute of Biological Engineering (IBE) Annual Meeting, Tucson, AZ.

Kim, J. W., N. Kotagiri PhD, R. Deaton, and S. Tung. 2007. "DNA-Directed Self-Assembly of Microscopic 1-D Carbon Nanotube Wire." IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Bangkok, Thailand.

Clendenin, J. PhD, S. Tung, and J. W. Kim. 2007. "An Aligned Carbon Nanotube Biosensor for DNA Detection." IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Bangkok, Thailand.

Kim, J. W., J.S. Lee PhD, and R. Deaton. 2007. "Non-Crosshybridizing Oligonucleotide Building Blocks for Accurate, Scalable, and High-Rate Nanofabrication." IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Bangkok, Thailand.

Kim, J. W., 2006. "Bio/Nano Technology: Extremophile Biocatalysis and Bio/Abio Interfacing Technology." University of Georgia, Athens, GA (Invited).

Kim, J. W., 2007. "Bio/Nano Technology for Environment and Medicine." Gwangju Institute of Technology, Gwangju, Korea (Invited).

Kim, J. W., 2007. Bio/Nano Technology, Shenyang Institute of Automation, Shenyang, China.

Kim, J. W., 2007. "Challenge to Bio-Actuators: Hybrid Flagellar Motor/MEMS Based Systems. International Symposium on Neo-Robotics, "Nagoya Institute of Technology, Nagoya, Japan.

Li, Y. 2006. "Microbial models and biosensors for prediction and detection of foodborne pathogens in poultry products." Annual report to the Food Safety Consortium, October 1.

Li, Y. 2006. "Elimination of Listeria from ready-to-eat poultry products." Annual report to NAFSS and USDA/ARS, December 15. 3).

Li, Y. 2006."Rapid detection of foodborne pathogens using biosensor technology." Annual report to USDA/FAS, October 31.

Li, Y., R. Wang, B. Hargis, S. Tung, L. Berghman, and W. Bottje. 2007. "Development and initial evaluation of a biosensor for in field screening of avian influenza virus." To present at International Poultry Scientific Forum. January 22-23, 2007, Atlanta, GA.

Li, Y., B. Hargis, S. Tung, L. Berghman, and W. Bottje. 2007. "An impedance biosensor for rapid screening of avian influenza virus H5N1 in poultry samples." To present at Institute of Biological Engineers 2007 Annual Meeting, March 29-April 1, 2007, St. Louis, MO.

Varshney, M., and Y. Li. 2007. "Impedance biosensor based on flow cell with double interdigitated array microelectrodes for detection of viable Escherichia coli O157:H7 in growth medium." To present at Institute of Biological Engineers 2007 Annual Meeting, March 29-April 1, 2007, St. Louis, MO.

Jiang, X., Y. Ying, J. Wang, Z. Ye, Y. Li., and G. Zhu. 2006. "Applications of antibody-based biosensor to pesticide residues monitoring." Presented at ASABE 2006 Annual Meeting, July 9-12, 2006, Portland, OR. ASABE Paper No. 067116.

Li, Q., J. Wang, Y. Ying and Y. Li. 2005. "Rapid detection of E. coli O157:H7 using piezoelectric immunosensor." Presented at ASABE 2006 Annual Meeting, July 9-12, 2006, Portland, OR. ASABE Paper No. 067117.

Li, Y. 2006. "Biosensors for detection of foodborne pathogenic bacteria: A review." Presented at ASABE 2006 Annual Meeting, July 9-12, 2006, Portland, OR. ASABE Paper No. 067026.

Liu, F., X. Su and Y. Li. 2006. "Detection of Escherichia coli O157:H7 using a QCM immunosensor with nanoparticle amplification." Presented at ASABE 2006 Annual Meeting, July 9-12, 2006, Portland, OR. ASABE Paper No. 067119.

Pradhan, A., L. Cooney and Y. Li. 2006. "Predictive modeling of microbial inactivation kinetics for Listeria and heat and mass transfer during thermal processing of ready-to-eat poultry products." Presented at IFT 2006 Annual Meeting, June 24-28, 2006, Orlando, FL.

Pradhan, A., and Y. Li. 2006. "Exposure assessment simulation for microbial behavior of Salmonella in poultry processing." Presented at SRA 2006 Annual Meeting, December 3-6, 2006, Baltimore, MD. The Winner of the Student Merit Awards of SRA 2006.

Srinivasan, B., S. Tung, Y. Li, and M. Varshney, 2006. "Simulation of an electrical impedance based microfluidic biosensor for detection of E. coli O157:H7." Presented at 2006 COMOS meeting, November 5-11, Houston, TX.

Ye, Z., Y. Li, Y. Ying, X. Su and Q. Sun. 2006. "Design, Construction and evaluation of a portable biosensor for rapid detection of E. coli O157:H7." Presented at ASABE 2006 Annual Meeting, July 9-12, 2006, Portland, OR. ASABE Paper No. 067121

Cooney, L., Y. Li, R. Tian, W. Dong, H. Wang and M.F. Slavik 2006. "TiO<sub>2</sub> nanofiber coating with UV catalysis for inactivation of Escherichia coli O157:H7." Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Li, Y.. 2006. "Nanotechnologies and biosensors for detection of foodborne pathogens." In: CD of Food Safety Consortium 2006 Symposium, October 1-3, Fayetteville, AR.

Liu, F., X. Su and Y. Li. 2006. "Detection of Escherichia coli O157:H7 using a QCM immunosensor with nanoparticle amplification." Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium. The winner of the Third Prize of the Graduate Students Poster Contest.

Pradhan, A., and Y. Li. 2006. "Quantitative microbial risk assessment model for exposure assessment of Salmonella during poultry processing." Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Su, X., Q. Sun, Z. Ye, L. Bielke, and Y. Li. 2006. "A versatile multichannel immunoassay instrument for food safety and quality." Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Sun, Q., X. Su, J. Millett and Y. Li. 2006. "A capillary column-based immunosensor for rapid detection of atrazine residue in drinking water." Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Varshney, M., and Y. Li. 2006. "Impedance biosensor based on interdigitated microelectrode coupled with magnetic nanoparticle-antibody conjugates for detection of Escherichia coli O157:H7." Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium. The winner of the First Prize of the Graduate Students Poster Contest.

Wang, R., Y. Li, B. Hargis, S. Tung and W. Bottje. 2006. "Microfluidics-based impedance biosensor for rapid screening of avian influenza viruses H5N1" Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Ye, Z., Y. Li, X. Su, and Q. Sun. 2006. "Design, construction and evaluation of a portable biosensor for rapid detection of E. coli O157:H7." Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Matlock, M. D., C. Thompson, G. S. Osborn. 2006. "Point Source Ozonation to Minimize Antibiotic Resistance. NSF Phase I SBIR Final Report." National Science Foundation.

Jat, P. and G.S. Osborn. 2006. "Chemical Reaction Kinetics Approach to Model Moisture Adsorption of Rough Rice." 31st Rice Technical Working Group. Annual Meeting, The Woodlands, TX.

Osborn, G.S. 2006. "Teaching Food/Bio Engineering: Spiraling Ahead." ASABE Annual Meeting, Invited Session, Portland, OR. Invited.

Osborn, G.S. 2006. "Applications of the SDOX<sup>TM</sup> for Emergency Spill Response." Presentation made to Arkansas Department of Environmental Quality, Little Rock, AR.

Osborn, G.S., M.D. Matlock, G.M. Magness. 2006. "Potential Applications of Dissolved Ozone Injection for Drinking Water Treatment." Presentation to City of Tulsa Utilities Water Division.  
Osborn, G.S. 2006. "Point Source Ozonation to Minimize Antibiotic Resistance." EPA Region VI Pretreatment Conference. N. Little Rock, AR.

Osborn, G.S. 2006. "Incorporating Design as Spiraling Connection in Biological Engineering Education." Presentation to College of Engineering Seminar Series. Virginia Polytechnic University. Blacksburg, VA.

Sudheer, K.P., I. Chaubey, and V. Garg. 2006. "Lake water quality assessment from Landsat TM data using neural network: An approach to optimal band combination selection." *Journal of the American Water Resources Association* 42(6):1683-1695.

Yuan, Y., R.L. Bingner, and I. Chaubey. 2006. "Phosphorus modeling in the Annualized Agricultural Nonpoint Source Pollution (AnnAGNPS) Model." In *Modeling Phosphorus in the Environment*, D.E. Radcliffe, and M.L. Cabrera (ed.). CRC Press, Boca Raton, FL. Pp. 215-240.

Chaubey, I., K.L. White, C.H. Green, J.G. Arnold, and R. Srinivasan. 2006. "Phosphorus Modeling in Soil and Water Assessment Tool Model." In *Modeling Phosphorus in the Environment*, D.E. Radcliffe, and M.L. Cabrera (ed.). CRC Press, Boca Raton, FL. Pp. 163-188.

Chaubey, I. and G.M. Ward. 2006. "Hydrologic budget analysis of a small natural wetland in southeastern USA." *Journal of Environmental Informatics* 8(1):10-21.

Shirmohammadi, A., I. Chaubey, R.D. Harmel, D.D. Bosch, R. Munoz-Carpena, C. Dharmasri, A. Sexton, M. Arabi, M.L. Wolfe, J. Frankenberger, C. Graff, and T.M. Sohrabi. 2006. "Uncertainty in TMDL models." *Transactions of the ASABE* 49(4):1033-1049.

Ekka, S.A., B.E. Haggard, M.D. Matlock, and I. Chaubey. 2006. "Dissolved phosphorus concentrations and sediment interactions in effluent dominated Ozark streams." *Ecological Engineering* 26:375-391.

DeLaune, P.B., B.E. Haggard, T.C. Daniel, I. Chaubey, and M.J. Cochran. 2006. "The Eucha/Spavinaw Phosphorus Index: A court mandated index for litter management." *Journal of Soil and Water Conservation* 61(2):96-105.

Chaubey, I., B.K. Schaffer, E. Vories, P. Tacker, J.H. Popp, and G. Rodriguez. 2007. "A decision support system framework for integrated agricultural watershed management." Annual Conference of the USDA-CSREES. Savannah, GA. January 28-31, 2007.

Gitau, M., I. Chaubey, and J.H. Popp. 2007. "Effectiveness and optimization of BMPs in improving water quality from agriculturally dominated watersheds." Annual Conference of the USDA-CSREES. Savannah, GA. January 28-31, 2007.

Chaubey, I., M.D. Leh, J.V. Brahana, and B.E. Haggard. 2006. "Where does runoff come from? A monitoring and modeling approach." Proc. An International Perspective on Environmental and Water Resources, eds. U.P. Singh, B. Datta, B. Panigrahi, and M. Sharma. New Delhi, India. December 18-20, 2006.

Vories, E.D., P. Tacker, and I. Chaubey. 2006. "On-farm studies of water use and water quality for rice production in the USA." Proc. An International Perspective on Environmental and Water Resources, eds. U.P. Singh, B. Datta, B. Panigrahi, and M. Sharma. New Delhi, India. December 18-20, 2006.

Chaubey, I., M. Gitau, D. Ennannay, M. Nelson, E. Gbur, J. Popp, and J. Pennington. 2006. "Effectiveness and optimization of BMPs in improving water quality impacted by land application of animal manure." Abstract published in the proceedings of the Workshop "Managing Agricultural Landscapes for Environmental Quality: Strengthening the Science Base". Kansas City, MO. October 11-13, 2006. 71 p.

Popp, J., G. Rodriguez, J. Pennington, E. Gbur, M. Steele, I. Chaubey, and M. Gitau. "From Conflict to Cooperation: Enlisting stakeholders to address water quality disputes in an embattled watershed." Abstract published in the proceedings of the Workshop "Managing Agricultural Landscapes for Environmental Quality: Strengthening the Science Base". Kansas City, MO. October 11-13, 2006. 68 p.

Merriman, K., M. Gitau, and I. Chaubey. 2006. "A tool for estimating best management practice effectiveness in Arkansas." Abstract published in the proceedings of the Workshop "Managing Agricultural Landscapes for Environmental Quality: Strengthening the Science Base". Kansas City, MO. October 11-13, 2006. 97 p.

Gitau, M. and I. Chaubey. 2006. "Regionalization of SWAT model parameters in Arkansas Priority Watersheds." Abstract published in the proceedings of the Workshop "Managing Agricultural Landscapes for Environmental Quality: Strengthening the Science Base". Kansas City, MO. October 11-13, 2006. 29 p.

Chaubey, I., P. Tacker, E. Vories, and B.K. Schaffer. 2006. "Development of a decision support system for integrated water quality management in Arkansas Delta." World Congress of Computers and Electronics in Agriculture. Orlando, FL.

Lakshmi, G., K.P. Sudheer, and I. Chaubey. 2006. "Autocalibration of complex watershed models using simulation optimization framework." ASABE Paper No. 06-2141. 2006 Annual International Conference of the ASABE. Portland, OR.

Chaubey, I., M. Leh, V. Brahana, and B.E. Haggard. 2006. "Quantification of spatial distribution of runoff source areas in an agricultural watershed." ASABE Paper No. 06-2126. 2006 Annual International Conference of the ASABE. Portland, OR.

Shirmohammadi, A., I. Chaubey, R.D. Harmel, D.D. Bosch, R. Munoz-Carpena, C. Dharmasri, A. Sexton, M. Arabi, M.L. Wolfe, J. Frankenberger, C. Graff, and T.M. Sohrabi. 2006. "Uncertainty in TMDL models." ASABE Paper No. 06-XXXX. 2006 Annual International Conference of the ASABE. Portland, OR.

Chaubey, I., E. Gbur, B. Kurz, M. Nelson, J. Popp, M. Steele, and K. Teague. 2006. "Effectiveness and optimization of BMPs in improving water quality from an agriculturally dominated watershed." USDA-CSREES National Water Quality Conference. San Antonio, TX.

Chaubey, I., E. Vories, and P. Tacker. 2006. "Integrated BMP assessment for improving water quality in a rice/soybean dominated watershed in the Arkansas Delta." USDA-CSREES National Water Quality Conference. San Antonio, TX.

Migliaccio, K.W., B.E. Haggard, I. Chaubey, and M.D. Matlock. 2006. "Seasonality, land use, and scale influences on stream water quality." Paper presented at the Florida section of ASABE conference. Jupiter, FL. June 1-3, 2006.

Merriman, K, M. Gitau, and I. Chaubey. 2006. "A tool for estimating best management practice effects in Arkansas." Poster presented at the Annual Conference of the Arkansas Water Resources Association. Fayetteville, AR. April 18, 2006.

Leh, M., I. Chaubey, J.B. Brahana, J. Murdock, and B.E. Haggard. 2006. "Field investigations of rainfall-runoff processes in a Karst watershed." Poster presented at the Annual Conference of the Arkansas Water Resources Association. Fayetteville, AR. April 18, 2006.

Mutlu, E., I. Chaubey, H. Hexmoore, and S. Bajwa. 2006. "Comparison of artificial neural network models for hydrologic prediction in agricultural watersheds." Poster presented at the Annual Conference of the Arkansas Water Resources Association. Fayetteville, AR. April 18, 2006.

### **Crop, Soil and Environmental Sciences**

Alford, J.L. and L.R. Oliver. 2006. Determining Weed Development Using Photothermal Days. In Abstr. WSSA 46:39.

Avila, C.A., J.McD. Stewart, and R.T. Robbins. 2006. Introgression of Reniform Nematode Resistance into Upland Cotton. Beltwide Cotton Conf., 03-06 Jan. San Antonio, TX.

Avila, C.A., and J.McD. Stewart. 2006. Gene Expression Profile Changes in Roots of *Gossypium Arboreum* Resistant to Reniform Nematode Infection. CSSA. Indianapolis, IN. Nov.

Avila, C.A., J.McD. Stewart and R.T. Robbins. 2006. Introgression of Reniform Nematode Resistance into Upland Cotton. In Proc. Beltwide Cotton Conf. Natl. Cotton Council of Am., Memphis, TN. p. 154.

Avila, C.A. and J. McD. Stewart. 2006. Gene Expression Profile Changes in Resistant *Gossypium Arboreum* Roots to Reniform Nematode Infection. In Abstr. ASA-CSSA-SSSA Natl. Mtgs., Madison WI.

Bangarwa, S. and J.K. Norsworthy. 2006. Impact of Tillage Frequency and Tuber Size on Purple and Yellow Nutsedge Regeneration. ACPA Ann. Mtg. Fayetteville, AR. 27 - 28 Nov. 2006.

Bangarwa, S.K., J.K. Norsworthy, A.S. Culpepper, P.Jha, M. S. Malik, and M.J. Oliveira. 2006. Integrated Strategies for Purple Nutsedge Suppression in Organically Grown Bell Pepper. In Proc. South. Weed Sci. Soc. 59:149.

Bangarwa, S.K., J.K. Norsworthy, J.P. Smith, and P. Jha. 2006. Tolerance of Direct-Seeded Green Onion to Herbicides. In Proc. South. Weed Sci. 59:155.

Bararpour, M.T., L.R. Oliver, N.R. Burgos, and R.C. Scott. 2005. Ryegrass Identification Keys. Uof A CES. 2 pages.

Barrenechea, M.L., and K.R. Brye. 2006. Evaluation of Water-Retention Ability of Eastern Arkansas Prairie and Agricultural Soil. *Discovery*, 7:3-7.

Bibi, A., D. Oosterhuis, E. Gonias, and J. Mattice. 2006. High Temperature Effect on Polyamines for Enhanced Pollination, Seed Set, and Yield of Cotton. In *Agronomy Abstr.* [CD-ROM]. ASA/CSSA/SSSA, Madison, WS.

Bibi, A., Oosterhuis, D., Gonias, E., Mattice, J. 2006. High Temperature Effect on Polyamines for Enhanced Pollination, Seed Set, and Yield of Cotton Genotypes. ASA-CSSA-SSSA International Ann. Mtgs.

Blair, R., M. Savin, and P. Chen. 2006. Soil Properties and Crop Performance of Vegetable Soybeans Following Application of Poultry Litter. ASA-CSSA-SSSA 2006 International Ann. Mtgs., 12-16 Nov. Indianapolis, IN.

Blair, R., M. Savin, and P. Chen. 2006. Soil Properties and Crop Performance of Vegetable Soybeans Following Application of Poultry Litter. In Abstr. [CD-ROM]. ASA, CSSA, and SSSA Ann. Mtgs., Madison, WI.

Blanton, R.L., J.K. Norsworthy, M.S. Malik, P. Jha, and M. J. Oliveira. 2006. Isothiocyanates Suppress Yellow and Purple Nutsedge. In Proc. South. Weed Sci. Soc. 59:178.

Blanton, R.L. and J.K. Norsworthy. 2006. Cantaloupe Tolerance and Weed Control with Postemergence Applications of Rimsulfuron and Halosulfuron. In Proc. South. Weed Sci. Soc. 59:153.

Boyett, V.A., Gibbons, J.W., Moldenhauer, K.A.K., Jia, Y., McClung, A.M., and Fjellstrom, R.G. 2006. Advances in Marker-Assisted Selection for Rice Blast Resistance. 31<sup>st</sup> Rice Technical Working Group. The Woodlands, TX.

Boza, E.J., Gibbons, J.W., Correll, J.C., Lee, F.N., and McNew, R.W. 2006. Segregation of Major Gene Blast Resistance in Early Generation Breeding Material. 31<sup>st</sup> Rice Technical Working Group. The Woodlands, TX.

Boza, E.J., Moldenhauer, K.A.K., Gibbons, J.W., Lee, F.N., Cartwright, R.D., Jia, Y., Boyett, V., and Blocker, M.M. 2006. Field and Milling Quality Analysis of My1 Mapping Population in Arkansas. 31<sup>st</sup> Rice Technical Working Group. The Woodlands, TX.

Brewer, C.E., L.R. Oliver, M.T. Bararpour, and F.H. Lyons IV. 2006. Common Ragweed Interference in Soybean. In Abstr. ACPA Res. Conf. 10:7-8.

Bryant, R.J. and P.A. Counce. 2006. Activities of Enzymes Related to Starch Synthesis and Functionality in Selected Rice Lines. Rice Technical Working Group, The Woodlands, Texas.

Bullington, J.A., N. R. Burgos, K. L. Smith, and V. K. Shivrain. 2006. Agronomic Management of Red Rice in Roundup Ready Soybean. In Abstr. of AC PA Res. Conf. 10:3.

Bulloch, J.M., Taylor, C.K., Anders, M.M., and Gibbons, J.W. 2006. Milling Yield Variation Among Different Rice Cultivars at Differing Harvest Moistures, Dates, and Years. 31<sup>st</sup> Rice Technical Working Group. The Woodlands, TX.

Burgos, N. R., V. K. Shivrain, K. A. K. Moldenhauer, and J. W. Moore. 2006. When Gene Flow Occurs Between Clearfield Rice and Red Rice. In Abstr., 2006 WSSA Mtgs. 46:90-91.

Burgos, N.R., R.C. Scott, and K.R. Smith. 2006. Managed Outcrossing to Stop Resistant Red Rice Development. Delta Farm Press. 39 Sept. p. 10.

Burton, M.G., G.T. Place, E.P. Prostko, T.M. Webster, A.S. Culpepper, and J.K. Norsworthy. 2006. Local and Regional Dispersal of Tropical Spiderwort (*Commelina benghalensis*). In Proc. SWSS 59:211.

Bushong, J.T., R.J. Norman, W.J. Ross, N.A. Slaton and C.E. Wilson, Jr. 2006. Evaluation of Several Indices of Potentially Mineralizable Soil Nitrogen on Arkansas Silt Loam Soils. In Rice Technical Working Group Abstr. [CD-ROM]. 31st Mtg., Woodlands, TX.

Bushong, J.T., R.J. Norman, W.J. Ross, N.A. Slaton, and C.E. Wilson, Jr. 2006. Evaluation of Several Indices of Potentially Mineralizable Soil Nitrogen on Arkansas Silt Loam Soils. In Rice Technical Working Group Abstr. [CD-ROM]. 31st Mtg., Texas A&M Univ., The Woodlands, TX.

Chen, P., B. Cornelious, C. Feng, A. Hou, L. Mozzoni, A. Shi, and B. Zhang. 2006. Genetic Divergence and Relatedness of Historical Soybean Cultivars Assessed by AFLP Markers. ASA-CSSA-SSSA 2006 International Ann. Mtgs., 12-16 Nov. Indianapolis, IN.

Coblentz, Wayne K., Johnny L. Gunsaulis, Robin K. Ogden, Robert Bacon, Ken P. Coffey, Donald S. Hubbell, III, J. Vaughn Skinner, Jr., Ron W. Cox, and Keith S. Lusby. 2005. Fall-Growth Potential of Cereal-Grain Forages for Livestock. Proc. Researching Critical Issues for Arkansas Cattlemen. Ark. Coop. Ext. Service, p. 4-12.

Cooper, N.T.W., T.J. Siebenmorgen and P.A. Counce. 2006. Effect of Nighttime Temperature on the Physicochemical Characteristics of Rice. Rice Technical Working Group, The Woodlands, Texas.

Cooper, N.T.W., T.J. Siebenmorgen and P.A. Counce. 2006. Explaining Head Rice Yield Variation Using Interpolative Historical Weather Data Analysis. Rice Technical Working Group, The Woodlands, Texas.

Copenhaver, Lindsay , Mary Savin, David Miller, Peter Tomlinson, Kris Brye, and Richard Norman. 2006. Use of Flooding to Analyze N Infiltration and Movement in Clay Versus Silt-Loam Soil Used for Arkansas Rice Production. In Ann. Mtg. Abstr. [CD-ROM]. 70th Ann. Mtg., Indianapolis, IN. 12-16 Nov. 2006. ASA, Madison, WI.

Copenhaver, L., M. Savin, D. Miller, P. Tomlinson, K. Brye, R. Norman. 2006. Use of Flooding to Analyze N Infiltration and Movement in Clay Versus Silt-Loam Soil Used for Arkansas Rice Production. In Ann. Mtgs. Abstr. [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.

Copenhaver, L.M., M.C. Savin, D.M. Miller, P.J. Tomlinson, K.R. Brye, and R.J. Norman. 2006. Infiltration and Short-Term Movement of Nitrogen in a Silt-Loam Soil Typical of Rice Cultivation in Arkansas. *Discovery* 7:14-18.

Counce, P.A. 2006. A Computer Program for Draining Rice by Growth Stages. Arkansas Soil & Water Education Conf., Arkansas State University, Jonesboro, 13 Jan. (Invited).

Counce P.A. 2006 Draining Rice by Growth Stages. Arkansas Rice Research and Extension Center Field Day Presentation 09 Aug.

Counce, P.A., T.J. Siebenmorgen and N.T.W. Cooper. 2006. Rice Enzymes Related to Grain Filling. In Abstr. Ann. Mtgs., ASA, Indianapolis, Indiana. 165:2.

Counce, P.A., L.C. Purcell, K.B. Watkins and T.J. Siebenmorgen. 2006. A Computer Program for Prediction of Safe Growth Stages for Draining Rice Fields. Rice Technical Working Group, The Woodlands, Texas.

Counce, P.A., T.J. Siebenmorgen and N.T.W. Cooper. 2006. Enzyme Responses to Nighttime Air Temperatures During Rice Kernel Development. Rice Technical Working Group, The Woodlands, Texas.

Daigh, A., M. Savin, L. Purcell. 2006. Mycorrhizal Infection in Roundup-Ready Row Crops. In Ann. Mtgs. Abstr. [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.

Daniel, T.C., P. DeLaune, B.E. Haggard, and M. Cochran. 2006. Phosphorus 101: Phosphorus, Eutrophication, and Agriculture. Litter Solutions. Workshop sponsored by Winrock International. July. Fayetteville, AR.

Daniel, T.C., P. DeLaune, B.E. Haggard, and D. Fishel. 2006. Edge of Field Water Quality Monitoring from Various Management Practices in the Ozark Highlands. Ann. NPS Review. Workshop sponsored by AR Natural Resources Commission. Sept. C.A. Vines Center, Ferndale, AR.

Daniel, T.C. and S. Herron. 2006. Arkansas & Oklahoma Law Suits. SERA17. Cornell University. Ithaca, NY.

Daniel, T.C., K. Brye, T.H. Harper, N. Slaton, L. Espinoza, M. Anders, and B.E. Haggard. 2006. Runoff, Soil Erosion, and Phosphorus Loss in the Delta. Div. of Ag.

DeLaune, P.B., T.C. Daniel, A.N. Sharpley, B.E. Haggard, and M.J. Cochran. 2006. Management of Poultry Litter and Other Animal Manures Using the Phosphorus Index. Div. of Ag.

DeLong, R., N. A. Slaton, and M. Mozaffari. 2006. Correlation Between Mehlich-3 Phosphorus and Wheat Response to Phosphorus Fertilization in Arkansas. Ann. Mtgs. of ASA. Indianapolis, IN.

DeLong, R.E., D.L. Boothe, N.A. Slaton, R.J. Norman, R.D. Cartwright, C.E. Wilson, Jr. and M.W. Duren. 2006. Seeding Date Effects on Kernel Smut and Grain Yield of Rice in Arkansas. In Rice Technical Working Group Abstr. [CD-ROM]. 31st Mtg., Woodlands, TX.

DeLong, R.E., N.A. Slaton, and M. Mozaffari. 2006. Correlation Between Mehlich-3 Phosphorus and Wheat Response to Phosphorus Fertilization in Arkansas. In Agronomy Abstr. [CD-ROM]. ASA Mtgs., 12-16 Nov. Indianapolis, IN. ASA, Madison, WI.

DeLong, R., N. A. Slaton, and M. Mozaffari. 2006. Correlation Between Mehlich-3 Phosphorus and Wheat Response to Phosphorus Fertilization in Arkansas. In 2006 Agronomy Abstr. ASA, Madison, WI. [CD-ROM].

Doherty, R.L., K.L. Smith, L.R. Oliver, and J.R. Meier. 2006. Cutting Herbicide Applications to "One" in Corn. In Abstr. Crop Prot. Assoc. 10:2.

Duncan, K., S. AbuBakr, K.L. Sublette, E.M. Jennings, N. Alahari, G. Thoma, D. Wolf, and J. Davis. 2006. Efficacy of Various Treatments on the Restoration of Nitrogen Cycling in Tallgrass Prairie Impacted by Oil and Brine Spills. In 13th Ann. International Petroleum Environmental Conf. 17-20 Oct. 2006. San Antonio, TX. Integrated Petroleum Environmental Consortium, Tulsa, OK. p. 35.

Duren, M.W., C.E. Wilson, Jr., R.J. Norman, D.L. Frizzell, A.L. Richards, and N.A. Slaton. 2006. Validation of the Rice DD50 Threshold Establishment at Two Locations in Arkansas. In Rice Technical Working Group Abstr. [CD-ROM]. 31st Mtg., Woodlands, TX.

Giammaria, S., A. Shi, J. Rupe, and P. Chen. 2006. Genetic Analysis of the Resistance to Sudden Death Syndrome in Hartwig Soybean. ASA-CSSA-SSSA 2006 International Ann. Mtgs., 12-16 Nov. Indianapolis, IN.

Golden, B.R., N.A. Slaton, R.J. Norman, E.E. Gbur, K.R. Brye, and R.E. DeLong. 2006. The Urea Nitrogen Equivalent of Fresh and Pelleted Poultry Litter for Flood-Irrigated Rice. In Rice Technical Working Group Abstr. [CD-ROM]. 31st Mtg., Woodlands, TX.

Gonias, E., D. Oosterhuis, and A. Bibi. 2006. Use of Ambient or Internal Boll Temperatures to Calculate Heat Units for Cotton Defoliation. In Abstr. [CD-ROM]. ASA/CSSA/SSSA, Madison, WI.

Griffith, A.L., Blocker, M.M., Moldenhauer, K.A.K., Gibbons, J.W., Gibbons, J.H., and Wilson, C.E., Jr. 2006. Twenty-Five Years of Progress in the Arkansas Rice Breeding Program. 31<sup>st</sup> Rice Technical Working Group. The Woodlands, TX.

Griffith, G., J.K. Norsworthy, L.R. Oliver, R.C. Scott, and K.L. Smith. 2006. Glyphosate Resistance in a Palmer Amaranth Population in Arkansas. ACPA Ann. Mtg. Fayetteville, AR. 27 - 28 Nov. 2006.

Griffith, G.M., J.K. Norsworthy, R.C. Scott, K.L. Smith, L.R. Oliver, and S.K. Bajwa. 2006. Palmer Amaranth (*Amaranth palmeri*) Resistance to Glyphosate in an Arkansas Population. In Abstr. Crop Prot. Assoc. 10:14-15.

Haggard, B.E., G.S. Toor, M.S. Reiter, T.C. Daniel, and A.M. Donoghue. 2006. Does Poultry Litter Granulation Affect Water Extractable Phosphorus in Litters and Litter-Amended Soils? In 2006 Poultry Waste Management Symposium Abstr. 23-25 Oct. 2006. Springdale, AR.

Hawkins, Carrie, E. Moye Rutledge, Edgar P. Mersiovsky, Larry B. Ward and Doug A. Wysocki. Soils and Geomorphic Surfaces of Eastern Craighead County, Arkansas. In Abstr. of the 43rd Ann. Soil Survey and Land Resources Workshop. Published by the Department of Soil and Crop Sciences, Texas A&M University, College Station.

Hawkins, C., E.M. Rutledge, M. Shipitalo, and M. Savin. 2006. Potential Effects of Earthworms on Soil Renovation of Household Wastewater. In Abstr. [CD-ROM]. ASA, CSSA, and SSSA Ann. Mtgs., Madison, WI.

Hawkins, Carrie, E.M. Rutledge, Martin Shipatelo, and Mary Savin. 2006. Potential Effects of Earthworms on Soil Renovation of Household Wastewaters. Ann. Mtgs., SSSA. Indianapolis, IN. 05 Nov.

- Hendrix, B.L., T.A. Wilkins, and J.McD. Stewart. 2006. A Model of Recovery from Osmotic Shock in the Roots of a Drought-Tolerant Cotton Cultivar. Beltwide Cotton Conf., 03-06 Jan. San Antonio, TX.
- Hou, A., P. Chen, C. Gray, E. Giannoccaro, and Y. Wang. 2006. Rapid Extraction and Quantification of Soluble Sugars in Soybean Seeds. ASA-CSSA-SSSA 2006 International Ann. Mtgs., Nov. 12-16, 2006, Indianapolis, IN.
- Hou, A., P. Chen, L. Mozzoni, C. Feng, and A. Shi. 2006. AFLP Analysis of Popular Soybean Cultivars in the past and at Present for Genetic Diversity. 11<sup>th</sup> Biennial Cellular and Molecular Biology of the Soybean Conf., 05-08 Aug. Lincoln, NE.
- Jha, P., J.K. Norsworthy, M.S. Malik, S. Bangarwa, and M.J. Oliveira. 2006. Soybean Row Width and Glyphosate Timing Influence Sicklepod Survival and Fecundity. In Proc. South. Weed Sci. 59:98.
- Jha, P., J.K. Norsworthy, S.K. Bangarwa, M.S. Malik, and M.J. Oliveira. 2006. Temporal Emergence of Palmer Amaranth from a Natural Seedbank. In Proc. South. Weed Sci. Soc. 59:177.
- Jia, Y., J.N. Rutger, J. Xie, M. Lin, K.A.K. Moldenhauer, and J. Gibbons. 2006. Development of US Genetic Resources for Rice Functional Genomics. 31<sup>st</sup> Rice Technical Working Group. The Woodlands, TX.
- Jiang, J., V.A. Boyett, J.A. Gibbons, K.A.K. Moldenhauer., and F.N. Lee. 2006. The Combined Use of Anther Culture and Marker-Assisted Selection Enhances Breeding Efficiency in Rice. 31<sup>st</sup> Rice Technical Working Group. The Woodlands, TX.
- Jordan, D.L., N.R. Burgos, J.M. Chandler, P.A. Dotray, J.L. Griffin, G.E. MacDonald, C.R. Medlin, T.C. Mueller, D.S. Murray, J.K. Norsworthy, A. Rankins, Jr., R. Smeda, D.H. Teem, W.K. Vencill, J.W. Wilcut, and W.W. Witt. 2006. Courses and Subject Matter Taught in the Southern Region Related to Weed Management. In Proc. South. Weed Sci. Soc. 59:243.
- Karim, K., G.J. Thoma, P.-T. Hsu, T. Ho, and D.C. Wolf. 2006. Effect of Nitrogen Addition on Rhizo-Degradation Rates of Pyrene. In 13<sup>th</sup> Ann. International Petroleum Environmental Conf. 17-20 Oct. 2006. San Antonio, TX. Integrated Petroleum Environmental Consortium, Tulsa, OK. p. 74.
- Karim, K., G.J. Thoma, P. White, K. Davis, and D. Wolf. 2006. A Field Study Evaluating Phytoremediation of a Crude Oil-Contaminated Soil. In Ann. Mtgs. Abstr. [CD-ROM]. ASA, CSSA, SSSA, Madison, WI.
- Karim, K., G.J. Thoma, K.J. Davis, E.E. Gbur, and D.C. Wolf. 2006. Influence of Sampling Variability in Assessing Phytoremediation Effectiveness of a Crude Oil-Contaminated Soil. In 13<sup>th</sup> Ann. International Petroleum Environmental Conf. 17-20 Oct. 2006. San Antonio, TX. Integrated Petroleum Environmental Consortium, Tulsa, OK. p. 73.

Karim, K., G.J. Thoma, P.-T. Hsu, T. Ho, and D.C. Wolf. 2006. Effect of Nitrogen Addition on Rhizo-Degradation Rates of Pyrene. In 13th Ann. International Petroleum Environmental Conf. 17-20 Oct. San Antonio, TX. Integrated Petroleum Environmental Consortium, Tulsa, OK. p. 74.

Karim, K., G.J. Thoma, P. White, K. Davis, and D. Wolf. 2006. A Field Study Evaluating Phytoremediation of a Crude Oil-Contaminated Soil. ASA/CSSA/SSSA Ann. Mtgs., Madison, WI.

Karim, K., G.J. Thoma, K.J. Davis, E.E. Gbur, and D.C. Wolf. 2006. Influence of Sampling Variability in Assessing Phytoremediation Effectiveness of a Crude Oil-Contaminated Soil. In 13th Ann. International Petroleum Environmental Conf. 17-20 Oct. San Antonio, TX. Integrated Petroleum Environmental Consortium, Tulsa, OK. p. 73.

Kelley, J.P., S. Sheets, T. Reaper, M. Cordell, R.K. Bacon, J. Kelly, C. Parsons, G. Milus, C. Coker, and R. Cartwright. 2005. Wheat Update 2005: Arkansas Wheat Performance Tests and Variety Selection. Ark. Coop. Ext. Service, p. 1-18.

Krauth, D.M., J.L. Bouldin, V.S. Green, W.H. Baker, P.S. Wren. 2006. Comparison of Field Use and Laboratory Simulation of Polyacrylamide to Reduce Agricultural Associated Contamination. Society for the Advancement of Chicano and Native Americans in Science, Ann. Mtg., Tampa, FL 06 Nov.

Longer, D.E., N.A. Allison, Cheryl Murphy. 2006. Five Dimensions Associated with Effective Teaching. In Relative to Teaching, Newsletter, published by Cordes Teaching and Faculty Support Center, 16 Oct., U of A, Fayetteville, AR.

Longer, D.E., N.A. Allison, Cheryl Murphy. 2006. Classroom Civility. In Relative to Teaching, Newsletter, published by Cordes Teaching and Faculty Support Center, 22 Nov., U of A, Fayetteville, AR.

Lyons, F.H., IV, L.R. Oliver, L.C. Purcell, and M.P. Popp. 2006. Profitable Systems for Ultra-Early Soybean Production. In Abstr. Crop Prot. Assoc. 10:15.

Malik, M.S., J.K. Norsworthy, M.B. Riley, P. Jha, and S.K. Bangarwa. 2006. Use of Brassicaceae Cover Crops for Weed Suppression in Bell Pepper. In Proc. South. Weed Sci. Soc. 59:151.

Malik, M.S., J.K. Norsworthy, M.B. Riley, P. Jha, and S.K. Bangarwa. 2006. Wild Radish as a Cover Crop Aids Weed Management in Sweet Corn. In Proc. South. Weed Sci. Soc. 59:150.

Mozaffari, M., J. Kelley, and N. A. Slaton. 2006. Corn Response to Sidedress Application of N in Mississippi Delta Region of Arkansas. In 2006 Agronomy Abstr. [CD-ROM]. ASA, Madison, WI.

Neal, J.C., M.G. Burton, R.J. Richardson, and J.K. Norsworthy. 2006. Nursery Crops Vectoring Noxious Weeds. In Proc. South. Weed Sci. Soc. 59:200.

Norman, R.J., C.E. Wilson, Jr., N.A. Slaton, D.L. Frizzell, B.R. Griggs, J.T. Bushong, W.J. Ross, and T.L. Richards. 2006. Evaluation of Several Nitrogen Fertilizers Applied Preflood to a Wet and Dry Soil in Delayed Flood Rice. In Rice Technical Working Group Abstr. [CD-ROM]. 31<sup>st</sup> Mtg., Woodlands, TX.

Norsworthy, J.K., M.J. Oliveira, P. Jha, S.K. Bangarwa, M.S. Malik, J.K. Buckelew, J.M. Jennings, and D.W. Monks. 2006. Palmer Amaranth and Large Crabgrass Growth in Plasticulture Bell Pepper. In Proc. South. Weed Sci. Soc. 59:152.

Norsworthy, J.K., N.R. Burgos, R.C. Scott, and K.L. Smith. 2006. Consultant Perspectives on Weed Management Issues in Rice. In Abstr. of ACPA Res. Conf. 10:1.

Norsworthy, J.K. and W.N. Kline, III. 2006. Potential Use of Aminopyralid for Pasture Weed Control. In Proc. South. Weed Sci. Soc. 59:131.

Olivera, M.J., J.K. Norsworthy, P. Jha, M.S. Malik, and S.K. Bangarwa. 2006. Common Cocklebur Temporal Emergence Is Influenced by Tillage and Canopy Formation. Proc. South. Weed Sci. 59:69.

Olivera, M.J. and J.K. Norsworthy. 2006. Pitted Morningglory Germination and Emergence is Influenced by Environmental Factors and Burial Depth. Proc. South. Weed Sci. 59:176.

Olivera-Melgar, M., C. West, R. Robbins, T. Kirkpatrick, and D. Fishel. 2006. Endophyte Strain Effects on Soil-Borne Nematode Populations and Tall Fescue Host Suitability. ASA, CSSA, and SSSA Natl. Mtgs, Madison, WI.

Oosterhuis, D.M. 2006. Principles of Foliar Fertilization. Fluid Fertilizer Forum, St. Louis, MO. 13 Dec. Fluid Fertilizer Foundation, Manhattan, KS. [CD ROM].

Oosterhuis, D.M. and E. Gonias. 2006. Cuticle Characteristics of a Cool-Season and Warm-Season Putting Green Turfgrass. Agronomy Mtgs., Indianapolis, IN.

Oosterhuis, D.M. and A. Bibi. 2006. High Temperature Effect on Polyamines for Enhanced Pollination, Seed Set, and Yield of Cotton. Agronomy Mtgs., Indianapolis, IN.

Oosterhuis, D.M. and E. Gonias. 2006. Use of Ambient or Internal Boll Temperatures to Calculate Heat Units for Cotton Defoliation. Agronomy Mtgs., Indianapolis, IN.

Oosterhuis, D.M. and E. Gonias. 2006. Use of Ambient or Internal Boll Temperatures to Calculate Heat Units for Cotton Defoliation. Agronomy Mtgs., Indianapolis, IN.

Oosterhuis, D.M. and A.C. Bibi. 2006. High Temperature Effect on Polyamines for Enhanced Pollination, Seed Set, and Yield of Cotton. Agronomy Mtgs., Indianapolis, IN.

Oosterhuis, D.M. and C. Steigler. 2006. Leaf Cuticle Characteristics of a Cool-Season and Warm-Season Putting Green Turfgrass. Agronomy Mtgs., Indianapolis, IN.

- Ottis, B.V., J.D. Mattice, and R.E. Talbert. 2006. Insight into Causes of Antagonism Between Cyhalofop-Butyl and Other Rice Herbicides in Barnyardgrass. In Proc. 31<sup>st</sup> Rice Technical Working Group.
- Pearson, B.A., R.C. Scott, and N.R. Burgos. 2006. Effects of Urea Ammonium Nitrate on Regiment Efficacy. In Abstr. of ACPA Res. Conf. 10:6.
- Purcell, L.C., C.A. King, and T.E. Carter, Jr. 2006. Radiation Use Efficiency among Fast- and Slow-Wilting Soybean Genotypes. ASA Ann. Mtgs.. Indianapolis, IN. 12-16 Nov.
- Randolph, Dandra and E. Moyer Rutledge. 2006. Arkansas Soil Characterization Database - A Demonstration. Southern Regional Soil Survey Conf., Oklahoma City, OK. 12-14 Jun.
- Rashé, A., M. Savin. 2006. Evaluation of Earthworm Populations in Managed Ecosystems in Northern Arkansas. In Ann. Mtgs. Abstr. [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.
- Reiter, M.S., T.C. Daniel, B. Hinkle, N.A. Slaton, R.J. Norman. 2006. Impact of Binding Agent and Dicyandiamide on Nitrogen-Fortified Granulated Poultry Litter and Biosolid Fertilizers. In Agronomy Abstr. [CD-ROM]. ASA Mtgs., 12-16 Nov. Indianapolis, IN. ASA, Madison, WI.
- Richards, A.L., C.E. Wilson, Jr., N.A. Slaton, D.L. Frizzell, R.J. Norman, and K. Brye. 2006. Effect of Irrigation Termination Timing on Rice Grain Yield and Milling Quality. In Rice Technical Working Group Abstr. [CD-ROM]. 31<sup>st</sup> Mtg., Texas A&M Univ., The Woodlands, TX.
- Ross, W.J., R.J. Norman, C.E. Wilson, Jr., N.A. Slaton, and J.T. Bushong. 2006. Evaluation of the Illinois Soil N Test to Determine Mineralizable N in Arkansas Rice Production. In Rice Technical Working Group Abstr. [CD-ROM]. 31<sup>st</sup> Mtg., Texas A&M Univ., The Woodlands, TX.
- Rothrock, C.S., R. Sealy, F.N. Lee, J. Gibbons and R.D. Cartwright. 2006. Identification of Pythium Resistant Cold-Tolerant Rice Germplasm Through Controlled Environmental and Field Evaluations. 31<sup>st</sup> Rice Technical Working Group. The Woodlands, TX.
- Rutledge, E. Moyer. 2006. Wetness of Loamy Soils as Related to Redoximorphic Features in the Lower Mississippi Valley. National Cooperative Soil Survey Mtg. on Soil Wetness in the Lower Mississippi Valley. Conway, AR. 01 Nov.
- Rutledge, E. Moyer. 2006. Classification of Sharkey Soils, National Cooperative Soil Survey Mtg. on Soil Wetness in the Lower Mississippi Valley. Conway, AR. 01 Nov.
- Runge, E.C.A., K.R. Brye, N.E. Smeck, C. Rasmussen, C.L. Morgan, and C.T. Hallmark. 2006. Soil Science and Today's World - Are We Training Future Researchers Right? In Agronomy Abstr., ASA Conf., Indianapolis, IN.
- Rutger, J.N., R.J. Bryant, F.N. Lee, J.L. Bernhardt, J.W. Gibbons, and W. Yan. 2006. The Indica Revolution I. Improving Tropical Germplasm for US Environments. 31<sup>st</sup> Rice Technical Working Group. The Woodlands, TX.

Sales, M.A. and N.R. Burgos. 2006. Nitrogen Stress Response in Red Rice and Rice. In Abstr. of Arkansas Crop Protection Asso. Res. Conf. 10:12.

Seversike, T.M., L.C. Purcell and J.D. Ray. 2006. Ultra-Early Soybean Yield and Light Interception Yield among 3-, 5-, and 7-Leaflet Genotypes. In ASA Ann. Mtgs., Indianapolis, IN. 12-16 Nov.

Seversike, T.M., L.C. Purcell, and J.D. Ray. 2006. Ultra-Early Soybean Yield and Light Interception Yield among 3-, 5-, and 7-Leaflet Genotypes. ASA Ann. Mtgs., Indianapolis, IN. 12-16 Nov.

Shakiba, E., P. Chen, and R. C. Gergerich. 2006. Reaction of Current Soybean Cultivars in Arkansas to Soybean mosaic virus and Tobacco ringspot virus. ASA-CSSA-SSSA 2006 International Ann. Mtgs., 12-16 Nov. Indianapolis, IN.

Sharpley, A.N., T.C. Daniel, and B.E. Haggard. 2006. Agriculture, Phosphorus, and Water Quality in Arkansas. Div. of Agriculture.

Sharpley, A.N., T.C. Daniel, B. Gburek, and S. Herron. 2006. Targeting Best Management Practices in Contrasting Watersheds. Managing Agricultural Landscapes for Environmental Quality: Strengthening the Science Base. Workshop sponsored by Soil & Water Conservation Soc. Oct. Kansas City, MO.

Shi, A., P. Chen, A. Hou, and C. Zheng. 2006. A PCR-Based Marker for the Rsv1 Locus of Soybean mosaic virus Resistance. 11<sup>th</sup> Biennial Cellular and Molecular Biology of the Soybean Conf., 05-08 Aug. Lincoln, NE.

Shi, A., P. Chen, C. Zheng, A. Hou, and S. Zhu. 2006. Gene pyramiding for Soybean mosaic virus Resistance Using Microsatellite Markers. ASA-CSSA-SSSA 2006 International Ann. Mtgs., Indianapolis, IN. 12-16 Nov.

Shivrain, V.K., N.R. Burgos, J.A. Bullington, K.L. Smith, D.R. Gealy, and H.L. Black. Outcrossing between Clearfield Rice and Red Rice. In Abstr. of Arkansas Crop Protection Asso. Res. Conf. 10:2.

Shurlds, K.A., Inza Fort, D.E. Longer, N.A. Allison, 2005. Some of the Laws of Teaching, In Relative to Teaching Newsletter, published by Cordes Teaching and Faculty Support Center, October 18, U of A., Fayetteville, AR.

Slaton, N.A., R.E. DeLong, R.J. Norman, and C.E. Wilson, Jr. 2006. Rice and Soybean Responses to Ann. Potassium Fertilization Rate in Arkansas. In Agronomy Abstr. [CD-ROM]. ASA Mtgs., 12-16 Nov. Indianapolis, IN. ASA, Madison, WI.

Slaton, N.A., R.E. DeLong, R.J. Norman, C.E. Wilson, Jr., B.R. Golden, and C.J. Baquizeza. 2006. Rice Response to Potassium Fertilization Rate on Silt Loam Soils in Arkansas. In Rice Technical Working Group Abstr. [CD-ROM]. 31st Mtg., Texas A&M Univ., The Woodlands, TX.

Slaton, N.A., R.E. DeLong, R.J. Norman, C.E. Wilson, Jr., B.R. Golden, and C.J. Baquireza, 2006. Rice Response to Potassium Fertilization Rate on Silt Loam Soils in Arkansas. In Rice Technical Working Group Abstr. [CD-ROM]. 31st Mtg., Woodlands, TX.

Slaton, N.A., R.E. DeLong, R.J. Norman, and C.E. Wilson. 2006., Rice and Soybean Responses to Ann. Potassium Fertilization Rate in Arkansas. In Ann. Mtgs. Abstr. [CD-ROM]. 70th Ann. Mtg., Indianapolis, IN. 12-16 Nov. 2006. ASA, Madison, WI.

Srivastava V. 2006. Cre/Lox-Mediated Site-Specific Gene Integration in Plants. *Journal of Society of In Vitro Biology* 41: P2096.

Steigler, J.C., M.D. Richardson, D.M. Oosterhuis, J.B. Murphy, S.C. Goeke, and E.M. Martin. 2006. Leaf Cuticle Characteristics of a Cool-Season and Warm-Season Putting Green Turfgrass. In *Agronomy Abstr.* [CD-ROM]. ASA/CSSA/SSSA, Madison, WI.

Stephenson, IV, D.O., B.J. Brecke, and K.C. Hutto. 2006. Tropical Spiderwort (*Commelina benghalensis*) Control with Various Tillage and Herbicide Regimes. Beltwide Cotton Conf., Natl. Cotton Counc. of Am., Memphis, TN.

Stephenson, IV, D.O., B.J. Brecke, and K.C. Hutto. 2006. Effect of Tillage and Herbicide Inputs on Control of Tropical Spiderwort (*Commelina benghalensis*). SWSS, Lawrence, KS.

Stephenson, IV, D.O., B.J. Brecke, and K.C. Hutto. 2006. Tropical Spiderwort (*Commelina benghalensis*) Control with Various Tillage and Herbicide Regimes. In Ann. Mtgs. Abstr. [CD-ROM]. Beltwide Cotton Conf., Natl. Cotton Counc. of Am., Memphis, TN.

Stephenson, IV, D.O., B.J. Brecke, and K. . Hutto. 2006. Effect of Tillage and Herbicide Inputs on Control of Tropical Spiderwort (*Commelina benghalensis*). In Ann. Mtgs. Abstr. [CD-ROM]. South. Weed. Sci. Soc., Lawrence, KS.

Stewart, J.McD., F. Wang, and J. Zhang. 2006. Molecular Analysis of Cytoplasmic Male Sterility and Restoration of Cotton. In Proc. Beltwide Cotton Conf. Natl. Cotton Counc. of Am., Memphis, TN. p. 923.

Stewart, J.McD., B.L. Hendrix, and T.A. Wilkins. 2006. A Transcriptome Model of Gene Response to Osmotic Stress. International Cotton Genome Initiative 2006 Research Conf., Brasilia, Brazil. 18-22 Sept. [Jeff Chen (Univ. Texas) read the presentation on my behalf when I was unable to attend the Conf. because of visa problems].

Stewart, J.McD., B.L. Hendrix and T.A. Wilkins. 2006. A Transcriptome Model of Gene Response to Osmotic Stress. ICGI, Brasilia, Brazil.

Sublette, K., N. Alahari, E. Jennings, K. Duncan, G. Thoma, D. Wolf, J. Brokaw, M. A. Callaham, and T. Todd. 2006. Of Earthworms and Nematodes in Restoration of E&P Sites. 13th Ann. International Petroleum Environmental Conf. 17-20 Oct. San Antonio, TX. and at the Integrated Petroleum Environmental Consortium, Tulsa, OK.

Sublette, K., N. Alahari, E. Jennings, K. Duncan, G. Thoma, D. Wolf, J. Brokaw, M.A. Callaham, and T. Todd. 2006. Of Earthworms and Nematodes in Restoration of E&P Sites. In 13th Ann. International Petroleum Environmental Conf. 17-20 Oct. San Antonio, TX. Integrated Petroleum Environmental Consortium, Tulsa, OK. p. 75.

Talbert, R. E. and N. R. Burgos. 2006. Alternative Herbicides for Managing Herbicide-Resistant Barnyardgrass (*Echinochloa crus-galli*) in Rice. In WSSA Abstr., 2006 Mtg. of the Weed Sci. Soc. of Amer. 46:98.

Theiss, Sue, Inza Fort, D.E. Longer and N.A. Allison. 2006. "The Syllabus: A Tool for Preventing Disputes". In Relative to Teaching, Newsletter, published by Cordes Teaching and Faculty Support Center, Aug.-Sept. U of A, Fayetteville, AR.

Thoma, G.J., K. Karim, D. Wolf, P. White, O. Alba, and K. Davis. 2006. A Five-Year Field Study to Evaluate Phytoremediation of a Crude Oil-Contaminated Soil. In 2006 AIChE Ann. Mtg. 12-17 Nov. San Francisco, CA. American Institute of Chemical Engineers, New York.

Thoma, G.J., T. Lam, P.-T. Hsu, K. Karim, D. Wolf, and S. Ziegler. 2006. In situ Measurement of Rhizosphere Degradation Kinetics. 2006 AIChE Ann. Mtg. 12-17 Nov. San Francisco, CA. American Institute of Chemical Engineers, New York.

Thoma, G.J., T.B. Lam, P.-T. Hsu, K. Karim, and D. Wolf. 2006. In situ Measurement of Pyrene Rhizosphere Degradation Kinetics. ASA, CSSA, SSSA, Madison, WI.

Thoma, G.J., T.B. Lam, P.-T. Hsu, K. Karim, and D. Wolf. 2006. In situ Measurement of Pyrene Rhizosphere Degradation Kinetics. In Ann. Mtgs. Abstr. [CD-ROM]. ASA, CSSA, SSSA, Madison, WI.

Thoma, G.J., K. Karim, D. Wolf, P. White, O. Alba, and K. Davis. 2006. A Five-Year Field Study to Evaluate Phytoremediation of a Crude Oil-Contaminated Soil. In 2006 AIChE Ann. Mtg. 12-17 Nov. San Francisco, CA. American Institute of Chemical Engineers, New York.

Thoma, G.J., T. Lam, P.-T. Hsu, K. Karim, D. Wolf, and S. Ziegler. 2006. In situ Measurement of Rhizosphere Degradation Kinetics. In 2006 AIChE Ann. Mtg. 12-17 Nov. San Francisco, CA. American Institute of Chemical Engineers, New York.

Tiwari, R. and J.McD. Stewart. 2006. Phylogeny and Determination of Possible Natural Hybridization among the Australian Arid Zone *Gossypium* Species. In ASA Abstr., ASA-CSSA-SSSA, Madison, WI.

Tiwari, R., and J.McD. Stewart. 2006. Phylogeny and Determination of Possible Natural Hybridization among the Australian Arid Zone *Gossypium* Species. CSSA. Indianapolis, IN. Nov.

Tomlinson, P.T., A. T. McClymont, and M. C. Savin. 2006. Nitrogen Cycling as Affected by Organic Amendments to Grassland Soil. In 91<sup>st</sup> Ann. Mtg. Abstr., Icons and Upstarts in Ecology [CD-ROM]. Ecological Society of America, Washington, DC.

Ulla, M. and J. McD. Stewart. 2006. Diversity among Landraces of *Gossypium Hirsutum* and D-Genome Species Determined by SSR Markers. ICGI, Brazilia, Brazil.

Walker, T.W., R.J. Norman, and B.V. Ottis. 2006. What is the Value of Applying Early Season N to Rice on Clay Soils? In Rice Technical Working Group Abstr. [CD-ROM]. 31<sup>st</sup> Mtg., Woodlands, TX.

Walker, T.W., B.V. Ottis, R.J. Norman, and Jason A. Bond. 2006. Early Season N for Rice Production on Clay Soils. In Ann. Mtgs. Abstr. [CD-ROM]. 70th Ann. Mtg., Indianapolis, IN. 12-16 Nov. 2006. ASA, Madison, WI.

West, C.P., C.A. Guerber, R. Carson, and D. Brauer. 2006. Dehydrin Expression in Drought-Stressed Tall Fescue Can Be Modulated by Endophyte Presence. ASA, CSSA, and SSSA Ann. Mtgs., Madison, WI.

West, C.P. 2006. Progress on Tall Fescue-Endophyte Physiology Research. SER-AIG-8 Workshop. 15-17 Oct., Natchez Trace State Park, TN.

Wilkins, T.A., B.L. Hendrix, and J. McD. Stewart. 2006. A Model of Recovery from Osmotic Shock in the Roots of a Drought-Tolerant Cotton Cultivar. In Proc. Beltwide Cotton Conf. Natl. Cotton Counc. of Am., Memphis, TN. p. 1781.

Wilson, C.E., K. Moldenhauer, J. Gibbons, R. Cartwright, F. Lee, R. Norman, J. Bernhardt, M. Blocker, A. Tolbert, K. Taylor, J. Bulloch and J. Branson. 2005. Arkansas Rice Performance Trials, 2004-2006. University of Arkansas Cooperative Extension Service Rice Information Sheet No. 164.

Wolf, D.C., W.D. Kirkpatrick, P.M. White, Jr., K.J. Davis, G.J. Thoma. 2006. Petroleum Degradation Microbial Populations in Rhizosphere and Non-Rhizosphere Crude Oil-Contaminated Soil. Ann. International Petroleum Environmental Conf. 17-20 Oct. San Antonio, TX. And at the Integrated Petroleum Environmental Consortium, Tulsa, OK.

Wolf, D.C., W.D. Kirkpatrick, P.M. White, Jr., K.J. Davis, G.J. Thoma. 2006. Petroleum Degradation Microbial Populations in Rhizosphere and Non-Rhizosphere Crude Oil-Contaminated Soil. In 13<sup>th</sup> Ann. International Petroleum Environmental Conf. 17-20 Oct. 2006. San Antonio, TX. Integrated Petroleum Environmental Consortium, Tulsa, OK.

Yan, W., Bryant, R.J., Gibbons, J.W., Lee, F.N., Bernhardt, J.L., and Rutger, J.N. 2006. The Indica Revolution II. Improving Chinese Germplasm for US Environments. 31<sup>st</sup> Rice Technical Working Group. The Woodlands, TX.

Zhang, B., and P. Chen. 2006. Genetic Diversity and Quality Attributes of Food-Grade Soybeans from North America and Asia. 11<sup>th</sup> Biennial Cellular and Molecular Biology of the Soybean Conf., Lincoln, NE. 05-08 Aug.

Zhang, B., P. Chen, S. Palacios, and S. Zhu. 2006. Genetic Analysis of Quantitative Trait Loci Related to Seed Hardness in Soybean. ASA-CSSA-SSSA 2006 International Ann. Mtgs., Indianapolis, IN. 12-16 Nov.

Zheng, C., P. Chen, and A. Shi. 2006. Identification of New Genes for Resistance to Soybean mosaic virus in Soybean. ASA-CSSA-SSSA 2006 International Ann. Mtgs., Indianapolis, IN. 12-16 Nov.

Zheng, C., P. Chen, and R. Gergerich. 2006. Identification of Soybean for Resistance to Six Strains of Soybean Mosaic Virus. 11<sup>th</sup> Biennial Cellular and Molecular Biology of the Soybean Conf., Lincoln, NE. 05-08 Aug.

Zhu, S., X. Fu, F. Yuan, R. Luo, A. Shi, A. Hou, B. Li, D. Zhu, and P. Chen. 2006. Development and Evaluation of a RIL Population for Seed Quality Improvement of Vegetable Soybean. ASA-CSSA-SSSA 2006 International Ann. Mtgs., Indianapolis, IN. 12-16 Nov.

## **Entomology**

Ali, M.I., R.G. Luttrell, and K.C. Allen. 2006. Seasonal shifts in susceptibility of *Helicoverpa zea* to Cry1 Ac: Evidence of field selection? Proceedings of the Beltwide Cotton Conference.

Allen, K.C. and R.G. Luttrell. 2006. Temporal and spatial variation in pheromone trap captures of *Helicoverpa zea* and *Heliiothis virescens*: What does it mean? Proceedings of the Beltwide Cotton Conference.

Barnes, J. 2006. Arkansas Asilidae. Arkansas Entomological Society Meeting, Fayetteville, Arkansas.

Brit, A., R. Feldman, R. Coulson, M. Tchakerian, C. Lafon, D. Cairns, M. Lih, F. Stephen and J. Guldin. 2006. A spatially explicit model of southern pine beetle infestation growth. East Texas Forest Entomology Seminar, Nacogdoches, Texas.

Dahl, T.M., E. Lacey, J. Miller, L. Hanks and F.M. Stephen. 2006. Red oak borer semiochemicals: Preliminary investigation of cues for mate location and recognition. North American Forest Insect Work Conference, Asheville, North Carolina. (poster).

Fierke, M.K., D.L. Kinney and F.M. Stephen. 2006. A rapid estimation procedure for red oak borer, *Enaphalodes rufulus* (Haldeman) (Coleoptera: Cerambycidae). Gamma Sigma Delta Student Research Competition, Fayetteville, Arkansas. (poster).

Fierke, M.K., J.B. Murphy and F.M. Stephen. 2006. Oak defenses against a wood-boring insect. Gamma Sigma Delta Student Research Competition, Fayetteville, Arkansas.

- Fierke, M.K., J.B. Murphy and F.M. Stephen. 2006. Oak defenses against red oak borer. North American Forest Insect Work Conference, Asheville, North Carolina. (poster).
- Fierke, M.K. and F.M. Stephen. 2006. Red oak borer research and forest health in the Arkansas Ozarks. Arkansas Chapter of the Wildlife Society, 2006 Annual Meeting, Harrison, Arkansas.
- Galligan, L.D., M.B. Kelley, A.L. Szalanski and F.M. Stephen. 2006. Molecular diagnostics of *Enaphalodes rufulus* (Coleoptera: Cerambycidae). North American Forest Insect Work Conference, Asheville, North Carolina. (poster).
- Graham, D., R.G. Luttrell, C. Rom and W. Warnock. 2006. Expanding opportunities for experiential learning, Dale Bumpers College of Agricultural, Food and Life Sciences, University of Arkansas. National Academy of Sciences Summit on change in Agricultural Education, Washington, D.C.
- Haavik, J.L., J.J. Riggins, R.M. Verble and F.M. Stephen. 2006. Red oak borer research: A synopsis of current insights and future research interests. Arkansas Entomological Society, Fayetteville, Arkansas.
- Jia, L., M. Arevalo and F.L. Goggin. 2006. Potential trade-offs between aphid and caterpillar resistance? 17<sup>th</sup> Biennial International Plant Resistance to Insects Workshop, Purdue University, West Lafayette, Indiana. (poster).
- Johnson, D. 2006. Organic agricultural research and education at the University of Arkansas. Arkansas Entomological Society Meeting, Fayetteville, Arkansas.
- Johnson, D., B. Lewis and J. Aselage. 2006. Alternative PM practices in apple. 5<sup>th</sup> National IPM Symposium, St. Louis, Missouri. (poster).
- Johnson, D., B. Lewis, N. Singh, S. Sleezer, R. Liyanage and R. Bryant. 2006. Alternative fruit management practices and odors released by green June beetles. Arkansas Entomological Society Meeting, Fayetteville, Arkansas.
- Kelley, M.B. and F.M. Stephen. 2006. Red oak borer and *Armillaria* root rot contribute to oak mortality in Arkansas forests. North American Forest Insect Work Conference, Asheville, North Carolina. (poster).
- Knapp, J.P., J.J. Riggins, J. Defibaugh, J.A. Tullis and F.M. Stephen. 2006. Examination of spectral leaf signature collection methods in a complex upland oak ecosystem. American Association of Geographers, Annual Meeting, San Francisco, California.
- Kring, T.J., J.L. Gentry and R.N. Wiedenmann. 2006. Invasive weeds in Arkansas: Targets for biological control? Southeastern Branch meeting of the Entomological Society of America, Wilmington, North Carolina. (poster).

- Lewis, B.A. and D.T. Johnson. 2006. Demonstrating wine grape pest management in the Ozarks region. Southeastern Branch meeting of the Entomological Society of America, Wilmington, North Carolina.
- Lund, J., D.C. Steinkraus, T.G. Teague and J.E. Leland. 2006. Control of the tarnished plant bug (*Lygus lineolaris*) in cotton using the entomopathogenic fungi, *Beauveria bassiana* and the insect growth regulator Diamond. Proceedings of the Beltwide Cotton Conference. (poster).
- Luttrell, R.G., M.I. Ali and K.C. Allen. 2006. Variation in response of *Helicoverpa zea* and *Heliothis virescens* to cypermethrin. Proceedings of the Beltwide Cotton Conference.
- Luttrell, R.G., M.I. Ali, K.C. Luttrell and K.C. Allen. 2006. Susceptibility of 2005 populations of *Helicoverpa zea* and *Heliothis virescens* to Cry1Ac, Cry2Ab and cypermethrin, Southeastern Branch meeting of the Entomological Society of America, Wilmington, North Carolina.
- Luttrell, R.G., K.C. Allen, T.G. Teague and P.F. O'Leary. 2006. Large farm management of cotton insects via the use of insect samples and COTMAN information. Proceedings of the Beltwide Conference.
- McKern, J.A, D.T. Johnson and B.A. Lewis. 2006. Biology and control of the raspberry crown borer in Arkansas blackberries. Southeastern Branch meeting of the Entomological Society of America, Wilmington, North Carolina.
- McKern, J.A. and A.L. Szalanski. 2006. Molecular diagnostics used for monitoring Africanized honey bees in Arkansas. Arkansas Entomological Society Meeting, Fayetteville, Arkansas.
- McLeod, P.J. 2006. Development and use of IPM in developing countries throughout the world. Center for Tropical Agricultural Research. Santa Cruz, Bolivia.
- Quinn, B., D. Kline, D. Dame, M. Meisch, S. Allan, J. Urban and U. Bernier. 2006. Application of bifenthrin as a barrier treatment for protection against mosquitoes near Arkansas rice fields. Society for Vector Ecology, 37<sup>th</sup> Annual Conference in Anchorage, Alaska.
- Riggins, J.J. and F.M. Stephen. 2006. Unsolved mysteries: Investigating the abrupt rise and fall of the red oak borer in the Arkansas Ozarks. Southeastern Branch meeting of the Entomological Society of America, Wilmington, North Carolina. (poster).
- Riggins, J.J. and F.M. Stephen. 2006. Unsolved mysteries: Investigating the abrupt rise and fall of the red oak borer in the Arkansas Ozarks. North American Forest Insect Work Conference, Asheville, North Carolina. (poster).
- Schwab, L.K., R. Wiedenmann and S. Raghu. 2006. Correlations between plant nutrients and insect herbivore community composition: Implications for biological control of leafy spurge, (*Euphorbia esula*). North Central Branch meeting of the Entomological Society of America, Bloomington, Illinois.

Singh, N., D.T. Johnson, R.J. Bryant and J.L. Bernhardt. 2006. Chemical ecology and population dynamics of rice stink bug, *Oebalus pugnax* F. and natural enemies around rice plantings. 31<sup>st</sup> Rice Technical Working Group Meeting, Houston, Texas.

Smith, J.F., R.G. Luttrell and J.K. Greene. 2006. Early soybean varieties as trap crops for control of stink bugs in Arkansas. Southeastern Branch meeting of the Entomological Society of America, Wilmington, North Carolina.

Stephen, F.M. 2006. Monitoring and assessment of red oak borer in the Ozarks: Research accomplishments and plans. East Texas Forest Entomology Seminar, Nacogdoches, Texas.

Stephen, F.M., M.K. Fierke, L.D. Chapman, D.J. Crook, T. Dahl, M.B. Kelley, J.J. Riggins, J. Tullis and V. Ware. 2006. Monitoring and predicting populations of red oak borer in the Ozark Mountains. USDA Forest Service, Forest Health Monitoring Workgroup Meeting, Charleston, South Carolina. (poster).

Szalanski, A.L. and J.A. McKern. 2006. The termites of the Wedington section of the Ozark-St. Francis National Forest. Arkansas Entomological Society Meeting, Fayetteville, Arkansas.

Trout, R.T., C.D. Steelman and A.L. Szalanski. 2006. Preliminary findings, ticks and their pathogens in Arkansas. Arkansas Entomological Society Meeting, Fayetteville, Arkansas.

Wiedenmann, R.N. 2006. Prospects for biological control of teasel. Arkansas Entomological Society Meeting, Fayetteville, Arkansas.

## **Food Science**

Alpers, T.K., T.S. Priesmeyer, and J.-F. Meullenet. 2006. Effectiveness of Blunt Meullenet-Owens Razor Shear (BMORS) for predicting tenderness in beef. IFT Annual Meeting Book of Abstract. Orlando, FL.

Bautista, R.C. and T. J. Siebenmorgen. 2006. Milled rice quality and property variation due to growing environments. Paper presented during the World Grains Summit Meeting of the AACC International; Moscone Convention Center. San Francisco, CA. September 17-21.

Bautista, R.C. and T.J. Siebenmorgen. 2006. Milling quality trends with harvest moisture content and the relationship to individual kernel moisture content distribution. Proceedings of the Rice Technical Working Group Conference. Houston, TX.

Bautista, R.C., T.J. Siebenmorgen, and R. Burgos. 2006. Small sample mill development evaluation of Genogrinder 2000. Proceedings of the Rice Technical Working Group Conference. Houston, TX.

Brewer, V., P. Pillai, A. Saha, J. Meullenet, C. Owens, and J. Emmert. 2006. Phase-feeding in broilers: Impact on breast fillet dimensions, cook loss, and tenderness. *Poultry Sci.* 85 (Suppl. 1):161. Abstract.

- Chitturi, V., N.S. Hettiarachchy, and M.G. Johnson. 2006. Antimicrobial activity of whey protein films and coatings incorporated with green tea, grape seed extract nisin, and their combinations, against *Listeria monocytogenes*, *Escherichia coli* 0157:H7, and *Salmonella* Typhimurium. Institute of Food Technologists Annual Meeting and Food Expo. Orlando, FL. Book of Abstracts #054A-01, p. 143. July 15-20.
- Cooper, N.T.W., T.J. Siebenmorgen, and P.A. Counce. 2006. Effect of nighttime temperature on the physicochemical characteristics of rice. Proceedings of the Rice Technical Working Group Conference. Houston, TX.
- Cooper, N.T.W., T.J. Siebenmorgen, and P.A. Counce. 2006. Explaining head rice yield variation using interpolative historical weather data analysis. Proceedings of the Rice Technical Working Group Conference. Houston, TX.
- Counce, P.A., L.C. Purcell, K.B. Watkins, and T.J. Siebenmorgen. 2006. A computer program for prediction of safe growth stages for draining rice fields. Proceedings of the Rice Technical Working Group Conference. Houston, TX.
- Counce, P.A., T.J. Siebenmorgen, and N.T.W. Cooper. 2006. Enzyme responses to nighttime air temperatures during rice kernel development. Proceedings of the Rice Technical Working Group Conference. Houston, TX.
- Counce, P.A., T.J. Siebenmorgen, and N.T.W. Cooper. 2006. Rice enzymes related to grain filling. Abstract 165-2. Annual Meeting, American Society of Agronomy. Indianapolis, Indiana.
- Crandall, P.G., C.A. O'Bryan, K. Shores, M.G. Johnson, J. Marcy and Don Johnson. 2006. Measuring the useability index of Web based instruction-a case study integrating food safety and food quality in poultry processing operations. Presented at the Annual Food Safety Consortium Meeting in Fayetteville, AR.
- Dunkley, C.S., J.L. McReynolds, W.K. Kim, K.D. Dunkley, T. Friend, L.F. Kubena, D.J. Nisbet, and S.C. Ricke. 2006. The behavior of laying hens on an alfalfa crumble molt diet. SPSS Annual Meeting. Atlanta, GA.
- Dunkley, K.D., C.S. Dunkley, T.R. Callaway, M.E. Hume, L.F. Kubena, D.J. Nisbet, and S.C. Ricke. 2006. Virulence gene expression and DGGE profiles in the gastrointestinal tract of *Salmonella* Enteritidis-challenged laying hens. The 8<sup>th</sup> Biennial Congress of the Anaerobe Society of the Americas. Boise, ID. July 25-28.
- Eswaranandam, S., N.S. Hettiarachchy, and J.F. Meullenet. 2006. Sensory attributes of the cherry tomato and baby carrot coated with malic and lactic acid incorporated soy protein film. Institute of Food Technologists Annual Meeting and Food Expo. Orlando, FL. Book of Abstracts # 054G-09. July 15-20.
- Eswaranandam, S., N.S. Hettiarachchy and M.G. Johnson. 2005. Activation of lactoferrin by citric/lactic/malic acid alone and in combination with EDTA and the effect of activated

lactoferrin on the antimicrobial activity against *Listeria monocytogenes* and *Escherichia coli* O157:H7. Institute of Food Technologists Annual Meeting and Food Expo. Orlando, FL. Book of Abstracts # 054A-19. June 24-28.

Eswaranandam, S., N.S. Hettiarachchy, and M.G. Johnson. 2006. Effect of citric/lactic/malic acid alone and in combinations with EDTA on antimicrobial activity of lactoferrin against *L. monocytogenes* and *E. coli* O157:H7. Institute of Food Technologists Annual Meeting. Orlando, FL. Paper 054-19, p. 146. June 25-28.

Eswaranandam, S., N. Hettiarachchy, M.G. Johnson. 2006. Development of lactoferrin and malic/lactic acid incorporated antimicrobial soy and whey protein film coatings for inhibiting *Salmonella Typhimurium*, *Listeria monocytogenes*, *Escherichia coli* O157:H7 and *Campylobacter jejuni* in raw and ready-to-eat chicken and turkey. Sub-Title: Evaluation of activated lactoferrin to inhibit *Listeria monocytogenes* in model system and hotdogs. Food Safety Consortium.

Fanatico, A., P. Pillai, J. Emmert, J. Meullenet, and C. Owens. 2006. Impact of alternative broiler genotype and production system on sensory attributes. *Poultry Sci.* 85 (Suppl. 1):198 Abstract.

Gu, X.F., and Y.-J. Wang. 2006. Relationship of starch structure and physicochemical properties of U.S. long-grain rices. Institute of Food Technologists Annual Meeting. Orlando, FL.

Hettiarachchy, N., S. Eswaranandam. 2006. Maintenance of raw and cooked ready-to-eat product quality of infused poultry meats with selected plant extracts during electron beam irradiation and after storage. Sub Title: Physicochemical properties of irradiated chicken breasts infused with plant extracts during frozen storage for nine months. Food Safety Consortium.

Hettiarachchy, N., T. Sivarooban, B. Adams, S. Eswaranandam, M.G. Johnson. 2006. Selected herbal and plant extracts and nisin. Incorporated edible films to inhibit growth of *Listeria monocytogenes* (V7 serotype 1/2a, 1/2c separately), *E. coli* O157:H7 and *Salmonella Typhimurium* (DT 104) on raw and cooked ready-to-eat poultry meat. Sub Title: Transmission electron microscopy (TEM) study of *Listeria monocytogenes* treated with combined nisin with either plant extracts (grape seed (GSE) or green tea (GTE) extracts) or pure phenolic compounds in combinations. Food Safety Consortium.

Hettiarachchy, N.S., T. Sivarooban, M. Johnson, M. Slavik. 2006. Selected herbal and plant extracts and nisin incorporated edible films to inhibit growth of *Listeria monocytogenes* (V7 serotype 1/2a, 1/2c separately), *E. coli* O157:H7 and *Salmonella Typhimurium* (DT 104) on raw and cooked ready-to-eat poultry meat. Sub Title: Inhibition of *Listeria monocytogenes* by nisin combined with grape seed extract or green tea extract in soy protein film coated onto turkey frankfurters. Food Safety Consortium.

Hettiarachchy, N.S., I. Paraman. 2006. Preparation and physicochemical properties of enzyme catalyzed endosperm proteins. DSM, Basel, Switzerland.

Hettiarachchy, N.S., I. Paraman. 2006. Enhancing emulsion properties of rice endosperm proteins by chemical and enzyme modification. DSM, Basel, Switzerland.

Hettiarachchy, N.S., Paraman, I. 2006. Preparation and emulsifying properties of rice endosperm proteins prepared by ultrafiltration. DSM, Basel, Switzerland.

Horax, R., N.S. Hettiarachchy, M. Jalaluddin, P. Chen and M.G. Johnson. 2006. Antimicrobial activities of phenolic extracts from bitter melon (*Momordica charantia*) using four types of solvents. Institute of Food Technologists Annual Meeting. Orlando, FL. Paper 054A-16, p. 145. June 25-28.

Horax, R., N.S. Hettiarachchy, P. Chen, and M.G. Johnson. 2006. Antimicrobial activities of phenolic extracts from bitter melon (*Momordica charantia*) using four types of solvents. Institute of Food Technologists Annual Meeting and Food Expo. Orlando, FL. Book of Abstracts #054A-16. July 15-20.

Jain, V.P. and A. Proctor. 2006. Synthesis and kinetics of conjugated linoleic acid synthesis from soy oil by photoisomerization. IFT Annual National Meeting. July 18.

Kannan, A., N.S. Hettiarachchy. 2006. Anticancer effects of rice bran peptide hydrolyzate on cultured human cancer cell lines (oral presentation). ACS Annual Meeting. San Francisco, CA. Sept. 17-20.

Lee, Y.S., C. M. Owens and J.-F. Meullenet. 2006. The application of the Meullenet-Owens-Razor-Shear (MORS) for the prediction of broiler Pectoralis Major muscle tenderness to the Instron InSpec. IFT Annual Meeting. Book of Abstract. Orlando, FL.

Lee, Y.S., R. Xiong, A. Saha, C.M. Owens and J.-F. Meullenet. 2006. Tenderness of broiler breast fillets during long-term freezing. IFT Annual Meeting. Book of Abstract. Orlando, FL.

Lungu, Bwalya and M.G. Johnson. 2006. Anaerobic conditions do not increase the survival of nutrient deprived *Listeria monocytogenes* 10403S to selected sodium salts. Intl Assoc Food Protect Calgary, AL. Paper P-04-52, Page 170. August 13-16.

Main, G., R. Threlfall, and J. Morris. 2006. Bioconversion of malic acid in Norton and Vignoles using genetically enhanced and natural microbes. *Am. J. Enol. Vitic.* 57:530A.

Main, G., R. Threlfall, and J. Morris. 2006. Bioconversion of malic acid in Norton and Vignoles using genetically enhanced and natural microorganisms. Presented at the American Society of Enology and Viticulture Eastern Section, 31<sup>st</sup> Annual Meeting. Rochester, NY. July.

McReynolds, J.L., K.J. Genovese, H. He, J.A. Byrd, S.C. Ricke, D.J. Nisbet, and M.H. Kogut. 2006. Evaluation of heterophyll function in molting hens fed an alfalfa diet. Poultry Science Society Annual Meetings. Edmonton, Canada.

Meullenet, J.-F., C. Lovely, R. Threlfall, J.R. Morris. 2006. An ideal point density plot method for determining an optimal sensory profile for Muscadine grape juice. 8<sup>th</sup> Sensometrics Meeting, Ås, Norway. August.

Meullenet, J.-F., Y.S. Lee and R. Xiong. 2006. A comparison of Euclidian distance based ideal point mapping and probabilistic based landscape segment. Analysis for the Optimization of Food Sensory Profiles. 2<sup>nd</sup> European Conference on Sensory Consumer Science of Food and Beverages, The Hague, The Netherlands. September.

Meullenet, J.-F., T.J. Siebenmorgen, A. Couch, and E. Roques. 2006. Prediction of rice surface lipids and color by diode array near infrared spectroscopy. Proceedings of the Rice Technical Working Group Conference. Houston, TX.

Nannapaneni, R., K.C. Wiggins, R. Story, J. Saldivar and M.G. Johnson. 2006. Comparison of retail raw chicken carcasses bought from two different grocery-stores for total Campylobacter and total Ciprofloxacin-resistant Campylobacter loads in 2005. Intl Assoc Food Protect. Calgary, AL. Paper P-02- 65, p. 134. August 13-16.

Nannapaneni, Ramakrishna, Keith C. Wiggins, Robert Story, Aubrey F. Mendonca, and Michael G. Johnson. 2006. One-year starvation-stressed cells of *Listeria monocytogenes* Scott A Serotype 4b invade human cell line Caco-2. Intl Assoc Food Protect. Calgary, AL. Paper P-04-53, p. 170. August 13-16.

O'Brien, S., and Y.-J. Wang. 2006. Enzymatic hydrolysis of starches as affected by their chemical composition and granule organization. Institute of Food Technologists Annual Meeting. Orlando, FL.

Onofre, F.D.O. and N.S. Hettiarachchy. 2006. Ultrasound-assisted extraction of phenolics from rice bran. Institute of Food Technologists Annual Meeting and Food Expo. Orlando, FL. Book of Abstracts #054E-02. July 15-20.

Owens, C.M., A. Saha, A.V.S. Perumalla, and J.F. Meullenet. 2006. Impact of age and time of portioning on tenderness of slittered broiler breast fillets. Poultry Sci. 85 (Suppl. 1):58. Abstract.

Paraman, I., N.S. Hettiarachchy, C. Schaefer, and M. Beck. 2006. Improved solubility and emulsifying properties of rice endosperm protein hydrolysates by controlled enzymatic hydrolysis and ultrafiltration. Institute of Food Technologists Annual Meeting and Food Expo. Orlando, FL. Book of Abstracts #054D-07. July 15-20.

Patindol, J. and Y.-J. Wang. 2006. Starch fine structure and physicochemical properties associated with the alkali spreading of rice. AACC Annual Meeting. San Francisco, CA.

Patindol, J., and Y.-J. Wang. 2006. Starch fine structure and physicochemical properties of specialty rice varieties for canning. Rice Technical Working Group Meeting. Houston, TX.

- Patindol, J., L. Wang, and Y.-J. Wang. 2006. Cellulase-catalyzed extraction of Oligosaccharides from defatted rice bran. Institute of Food Technologists Annual Meeting. Orlando, FL.
- Perumalla, A.V., A. Saha, Y. Lee, J.F. Meullenet, and C.M. Owens. 2006. Marination properties of air chilled and water chilled broiler breast fillets. *Poultry Sci.* 85 (Suppl. 1):59. Abstract.
- Proctor, A. 2006. Renewable resources and clean technology. Annual Report. EU-US Cooperation Program. Further Improvement in Post-Secondary Education. US Department of Education.
- Proctor, A. 2006. Study opportunities in EU: Renewable resources and clean technology. CSES Department Fall Seminar Series. December 4.
- Proctor, A., L.R. Howard, M.M. Morris and G.W. Smith. 2006. Improved evaluation and understanding of antioxidant inhibition of low density lipoprotein (LDL) and cholesterol oxidation. Annual Report. Arkansas Biosciences Institute.
- Proctor, A., T.J. Siebenmorgen and R.L. Eason. 2006. The effect of harvest conditions on kernel damage effects and milled rice free fatty acid quality. Rice Research and Promotion Board Report.
- Quilo, S.A., F.W. Pohlman, A.H. Brown, P.G. Crandall, P.N. Dias-Morse, R.T. Baublits and C. Bokina. 2006. Microbial characteristics of ground beef produced from beef trimmings treated with potassium lactate, sodium metasilicate, peroxyacetic acid or acidified sodium chlorite. Presented at the ADSA/AASAS Joint Annual Meeting.
- Ricke, S. 2006. Ecology and pathogenesis of foodborne Salmonella in egg laying hens. Food Safety Consortium Symposium. University of Arkansas. Fayetteville, AR. October 2.
- Saha, A., A. Perumalla, J. Meullenet, and C. Owens. 2006. Deboning time, extending aging, and marination: Impact on poultry breast meat quality. *Poultry Sci.* 85 (Suppl. 1):163. Abstract.
- Saha, A., A.V. Perumalla, Y. Lee, J.F. Meullenet, and C.M. Owens. 2006. Optimizing meat tenderness, juiciness and flavor of marinated broiler breast fillets using varying levels of salt. *Poultry Sci.* 85 (Suppl. 1):59. Abstract.
- Saha, A., A.V.S. Perumalla, J.F. Meullenet, and C.M. Owens. 2006. Tenderness, juiciness and flavor of pre- and post-Rigor marinated broiler breast fillets evaluated by consumer sensory panel. *Poultry Sci.* 85 (Suppl. 1):115. Abstract.
- Saleh, M.I., and J.-F. Meullenet. 2006. Effect of harvest moisture content and surface lipids on the texture properties of cooked long-grain rice. IFT Annual Meeting. Book of Abstract. Orlando, FL.
- Saleh, M.I., and J.-F. Meullenet. 2006. Effect of protein disruption by enzymatic treatment on the cooked rice texture properties. IFT Annual Meeting. Book of Abstract. Orlando, FL.

Schluterman, D.A. and T.J. Siebenmorgen. 2006. Relating rough rice moisture content removal and tempering duration on head rice yield reduction. Proceedings of the Rice Technical Working Group Conference. Houston, TX.

Siebenmorgen, T.J. and G. Qin. 2006. Influence of drying on rice fissures formation rates and mechanical strength distributions. Proceedings of the Rice Technical Working Group Conference. Houston, TX.

Siebenmorgen, T.J. 2006. Milling quality: impacts of environmental factors. Rice Research and Extension Center Field Day. Stuttgart, AR. August 9.

Siebenmorgen, T.J., A. Matsler, and C.F. Earp. 2006. Milling characteristics of rice cultivars and hybrids. Proceedings of the Rice Technical Working Group Conference. Houston, TX.

Siebenmorgen, T. 2006. University of Arkansas Rice Processing Program Research Update Series. 2006. These are quarterly research reports sent to corporate sponsors of the Rice Processing Program.

Siebenmorgen, T.J. 2006. Rice milling research being conducted by the U of A Rice Processing Program. Presentation to the USDA Western Regional Research Center. Albany, CA. November 3.

Sivarooban, T., N. Hettiarachchy, M.G. Johnson. 2006. Antimicrobial and physical properties of grape seed extract, nisin, and EDTA incorporated soy protein edible films. Institute of Food Technologists Annual Meeting and Food Expo. Orlando, FL. Book of Abstracts #054A-13. July 15-20.

Sivarooban, T., N.S. Hettiarachchy, and M.G. Johnson. 2006. Antimicrobial and physical properties of grape seed extract, nisin and EDTA incorporated soy protein edible films. Institute of Food Technologists Annual Meeting. Orlando, FL. Paper 054A-13 p. 145. June 25-28.

Sivarooban, T., N.S. Hettiarachchy, and M.G. Johnson. 2006. Transmission electron microscopy study of *L. monocytogenes* treated with nisin and grape seed extract. Institute of Food Technologists Annual Meeting. Orlando, FL. Book of Abstracts 054A-02, p. 143. June 25-28.

Threlfall, R.T., J.R. Morris, J.F. Meullenet, and R.K. Striegler. 2006. Juice composition, nutraceutical content, and sensory analysis of eight *Vitis rotundifolia* (Muscadine grapes) cultivars. *Am. J. Enol. Vitic.* 57:530A.

Threlfall, R.T., J.R. Morris, J.F. Meullenet, and R.K. Striegler. 2006. Juice composition, nutraceutical content, and sensory analysis of eight *Vitis Rotundifolia* (Muscadine grapes) cultivars. Paper presented at the 31st Annual Meeting of the American Society for Enology and Viticulture/ Eastern Section. Rochester, NY. July 9-11.

Threlfall, R.T., J.R. Morris, J.F. Meullenet, and R.K. Striegler. 2006. Juice composition, nutraceutical content, and sensory analysis of eight *Vitis rotundifolia* (Muscadine grapes)

cultivars. Paper presented at the 31st Annual Meeting of the American Society for Enology and Viticulture/Eastern Section. Rochester, NY. July.

Tran, K., N.S. Hettiarachchy, and S. Eswaranandam. 2006. Effect of nisin, grape seed extract, and malic acid on incorporated soy protein edible film coating against *Salmonella*, *Listeria monocytogenes*, and *Escherichia coli* O157:H7 on alfalfa sprouts stored for 21 days at 4°C. Institute of Food Technologists Annual Meeting and Food Expo. Orlando, FL. Book of Abstracts #054A-12. July 15-20

Truitt, E.E. and T.J. Siebenmorgen. 2006. Quality of rice dried by high temperature fluidization. Proceedings of the Rice Technical Working Group Conference. Houston, TX.

Truitt, E.E. and T.J. Siebenmorgen. 2006. Quality of long-grain rice dried by high temperature fluidization. ASABE Paper No. 066014. Portland, OR. July 9-12.

Wang, Y.-J., and D. Kuakpetoon. 2006. Surface structural characteristics responsible for restricting swelling of corn starches. International Food Hydrocolloids Conference. Trondheim, Norway.

Xiong, R. and J.-F. Meullenet. 2006. K correct response method for difference and preference tests. IFT Annual Meeting. Book of Abstract. Orlando, FL.

Xiong, R., K. Blot, J.M. Dessirier and J.-F. Meullenet. 2006. Permutation tests for generalized procrustes analysis. 8<sup>th</sup> Sensometrics Meeting. Ås, Norway. August.

## **Horticulture**

Carson, Janet. 2006. 52 Q & A articles for Arkansas Democrat- Gazette, 8 Q& A articles for Arkansas Gardener, 2 articles for Fine Gardening Magazine, 8 articles for Arkansas Democrat- Gazette, 8 monthly columns for Arkansas Gardener.

Clark, J.R. 2006. Policies for the proprietary release, distribution, and sale of fruit varieties and germplasm at the University of Arkansas. HortScience 41:502.

Clark, J.R. 2006. Primocane-fruiting blackberry breeding. HortScience 41:910.

Clark, J.R. and P.M. Carter. 2006. Chilling requirements of selected floricanes and primocane-fruiting blackberries. HortScience 41:509.

Dennis, K., J.R. Clark, and J.A. Robbins. 2006. Adventitious shoot propagation and cultural inputs on nursery production of a primocane-fruiting blackberry selection. HortScience 41:497.

Stanton, M.A, J.C. Scheerens, R.C. Funt, and J.R. Clark. 2006. Floral competence of primocane-fruiting blackberries Prime-Jan™ and Prime-Jim™ grown at three temperature regimes. HortScience 41:1048.

Garcia, M.E. 2006. Blackberries in the Home Garden. Arkansas Gardening Aug. 2006.

Kauffman, J., D.E. Karcher, and M.D. Richardson. 2006. Long-term cultivation effects on rootzone properties of a sand-based putting green. ASA-CSSA-SSSA Annual Meeting, Indianapolis, IN, Nov 2006.

Richardson, M.D., K. Hignight, R. Walker, C. Rodgers, D. Rush, J. McCalla, and D. Karcher. 2006. Meadow fescue and tetraploid perennial ryegrass: Two new species for overseeding dormant bermudagrass turf. ASA-CSSA-SSSA Annual Meeting, Indianapolis, IN, Nov 2006.

Stiegler, J.C. M.D. Richardson, D.E. Karcher, D.M. Osterhuis, J.B. Murphy, S.C. Goeke, and E.M. Martin. 2006. Leaf cuticle characteristics of a cool-season and warm-season putting green turfgrass species. ASA-CSSA-SSSA Annual Meeting, Indianapolis, IN, Nov 2006.

Sorochan, J.C., D.E. Karcher, J. Parham, and M.D. Richardson. 2006. Segway and golf car wear on bermudagrass fairway turf. ASA-CSSA-SSSA Annual Meeting, Indianapolis, IN, Nov 2006.

### **Human Environmental Sciences**

Bailey, W.C. 2006. "A factor analysis of six dimensions of the emotional skills assessment process for college students." The 2006 Institute for Emotional Intelligence. Galveston, TX.

Bailey, W.C., and M. Sowcik. 2006. "Emotional intelligence, personal, and professional development: a model program at Wilkes University." The 2006 Institute for Emotional Intelligence. Galveston, TX.

Turner, M.J., W.C. Bailey, K.I. Black. 2006. "The relationship between pain and six dimensions of quality of life among older adults." Gerontological Society of America. Dallas, TX.

Crandall, M.A., and V.G. Baldwin. 2006. "The social side of development in the first three years: a vitally important dance between caregiver and child." Nashville, TN.

Courson, J., and V.G. Baldwin. 2006. "An overview of the project approach." Arkansas Early Childhood Association. Hot Springs, AR.

Chase, C., and V.G. Baldwin. 2006. "Our best ideas." Arkansas Early Childhood Association. Hot Springs, AR.

Baldwin, V.G., and K. Adcock. 2006. "Curriculum – ideas and action = connections." Early Childhood Association. Hot Springs, AR.

Chi, C., and H. Qu. 2006. "A study of developing destination loyalty model." I-CHRIE Annual Conference & Exposition. Crystal City, VA.

Ekiz, E., D. Gursoy, and C. Chi. 2006. "Impacts of organizational responses on complainants' justice perceptions and post-purchase behaviors." I-CHRIE Annual Conference & Exposition. Crystal City, VA.

Crandall, M.A., and V.G. Baldwin. 2006. "Social signs of healthy infant and toddler development: what teachers need to know." Southern Early Childhood Association. Nashville, TN.

Martin, S.S., R. Jones, and M.A. Crandall. 2006. "Fine motor activities across the curriculum." Arkansas Early Childhood Association. Hot Springs, AR.

Jones, R. and S. Martin. 2007. "Observation: children observing you, you observing children." Southern Early Childhood Association. Jacksonville, FL.

Martin, S. and M. Crandall. 2007. "Overview of how the brain functions as related to emotional development and applications for child guidance techniques." Southern Early Childhood Association. Jacksonville, FL.

Jacob, S. and F.L. Farmer. 2006. "Human ecology and natural resource dependent communities." Society for Human Ecology. Bar Harbor, ME.

Moon, Z.K. and F.L. Farmer. 2006. "Population pressures on public lands boundaries: examining biophysical consequences." Rural Sociological Society. Louisville, KY.

Pillai, G.P., B. Murphy, and M. Fitch-Hilgenberg. 2006. "Effect of smoking on plasma vitamin C levels in adults of both genders." Arkansas Association of Consumer and Family Sciences. Fayetteville, AR.

Weintraub, A., and T.S. Killian. 2006. "Day service recipients' perspectives on their interactions with children in the context of an intergenerational center." Gerontological Society of America. Dallas, TX.

Martin, S.S. 2006. "Promoting an awareness of global issues related to a child's right to play." U.S. National Committee for the World Organization for Early Childhood Education – O.M.E.P. (Organization Modiale pour l'Education Prescolaire). Atlanta, GA.

Martin, S.S. 2006. "Child guidance techniques as related to principles of child development for young children." Southern Early Childhood Association. Nashville, TN.

Martin, S.S. October 2006. "Principles of child guidance." Arkansas Early Childhood Association. Hot Springs, AR.

Powell, A. 2006. "Partnership in a hospitality program – where education and industry meet." Arkansas Association of Family and Consumer Sciences. Fayetteville, AR.

Ellis, M., J.D. Webb, and H. Sattar. 2006. "Youth hostels: untapped design and tourism opportunities." Interior Design Educators Council (IDEC) Southwest Regional Conference. Norman, OK.

Sattar, H. 2006. "Container transformation: a mobile work place." Environmental Design Research Association. Atlanta, GA.

Takigiku, S.K., F. Napuce, and S. Wallace. 2006. "The families of juvenile sex offenders and the cycle of abuse." National Council on Family Relations. Minneapolis, MN.

Takigiku, S.K., F. Napuce. 2006. "Parent methamphetamine abuse and child welfare in Arkansas." 8<sup>th</sup> Annual Arkansas Parenting Education Network Conference. Hot Springs, AR.

Turner, M.J., W.C. Bailey, and K.I. Black. 2006. "The relationship between pain and six dimensions of quality of life among older adults." Gerontological Society of America. Dallas, TX.

Black, K.I., and M.J. Turner. 2006. "The contributions of mother-daughter relationship quality to young adult daughters' self-esteem and life satisfaction." Gerontological Society of America. Dallas, TX.

Way, K.A. 2006. "A comprehensive curriculum design model for hospitality programs." 11<sup>th</sup> Annual Graduate Research and Graduate Education Conference. Seattle, WA.

Wallack, C.J., and J.D. Webb. 2006. "Territory in temporary shelters: media-documented space claiming following Hurricane Katrina." Environmental Design Research Association 37<sup>th</sup> Annual Meeting. Atlanta, GA.

Webb, J.D., K.H. Smith, N.G. Miller. 2006. "Using q-sort to evaluate environmental components of home." Environmental Design Research Association 37<sup>th</sup> Annual Meeting. Atlanta, GA.

Wallack, C.J., and J.D. Webb. 2006. "Senioritis sufferers: help available." Southwest Regional Conference of the Interior Design Educators Conference Council. Norman, OK.

## **Plant Pathology**

Bae, Chang-Hwan, A.L. Szalanski, and R.T. Robbins. 2006. Intraspecific ITS1 polymorphism in the Columbia lance nematode *Hoplolaimus columbus*. *Journal of Nematology* 8:259-260. (Abstract).

Bates, G.D., and Rothrock, C.S. 2006. Use of high glucosinolate Indian mustard cover crops to suppress soilborne pathogens of cotton. *Phytopathology* 96:S10. (Abstract).

Bates, G.D., and Rothrock, C.S. 2006. Use of high glucosinolate Indian mustard cover crops to suppress soilborne pathogens of cotton. Annual meeting of the American Phytopathological Society, July 29-August 2, Quebec City, Canada.

- Bentley, T.C., Irish, B.M., and Correll, J.C. 2006. Generation of an open pollinated near-isogenic spinach line with homozygous resistance to the downy mildew pathogen. *Phytopathology* 96: S13.
- Cartwright, R.D. 2006. Corn and Wheat Diseases, Dardanelle, AR, 12/14/06.
- Cartwright, R.D. 2006. Ecozone Report, ARRPB Meeting, RREC, 8/9/06.
- Cartwright, R.D. 2006. Rice and Soybean Diseases, Mississippi Co Field Day, Keiser, 8/21/06.
- Cartwright, R.D. 2006. Rice Diseases, Cache River Valley Field Day, Cash, AR, 8/16/06.
- Cartwright, R.D. 2006. Rice Diseases, Clay County Field Day, Corning, AR, 8/17/06.
- Cartwright, R.D. 2006. Rice Diseases, Craighead County, Cash, 8/4/06.
- Cartwright, R.D. 2006. Rice Diseases, Lawrence County Field Day, Hoxie, AR, 8/18/06.
- Cartwright, R.D. 2006. Rice Diseases, RREC Field Day, RREC, 8/9/06.
- Cartwright, R.D. 2006. Rice Diseases, SEREC Field Day, Rohwer, 8/3/06.
- Cartwright, R.D. 2006. Rice Diseases, St. Francis County Field Day, Forrest City, AR, 8/22/06.
- Cartwright, R.D. 2006. Soybean Rust Update, Farm Bureau Conference, Little Rock, 12/1/06.
- Cartwright, R.D. 2006. RiceCAP Poster and FlipChart to 28 grower meetings and field days during 2006.
- Correll, J. ., Feng, C., and Tomlinson, A. 2006. Molecular efforts on spinach with a focus on disease resistance. Plant and Animal Genomics Meeting (PAG XV).
- Correll, J.C. 2006. Applied molecular research on vegetable crops and rice. CIAT, Santa Cruz, Bolivia, Cali, Colombia. November 27.
- Correll, J.C. 2006. Genetic and molecular characterization of *Verticillium dahliae* from spinach and screening for disease resistance. *Phytopathology* 96: S118.
- Correll, J.C. 2006. IPM of clubroot disease of crucifers. Makawanpur, Nepal. July.
- Correll, J.C. 2006. IPM practices with vegetable crops. SENESAG, Trinidad, Bolivia, November 29.
- Correll, J.C. 2006. Overview of molecular research on fungal diseases in Arkansas. CIAT, Cali, Columbia. September 18.

Correll, J.C. 2006. Races of the downy mildew pathogen of spinach, genetics of resistance, and efforts to develop molecular markers linked to disease resistance loci. *Eucarpia* 2007.

Correll, J.C., Feng, C., Bentley, T. C., Koike, S. T., Irish, B. M., and Morelock, T. E. 2006. Update on downy mildew of spinach in the U.S. and Europe. Overview of races of the downy mildew pathogen on spinach and efforts to develop molecular markers linked to disease resistance loci. International Spinach Meeting (August). Mt. Vernon, WA.

Evans, M.R., Krumpelman, B. W., Sealy, R., and Rothrock, C.S. 2006. The effect on substrate silica incorporation on post-germination damping off of vinca. Annual meeting of the American Society for Horticultural Science. Jul 27-30, New Orleans.

Evans, M.R., Krumpelman, B.W., Sealy, R., and Rothrock, C.S. 2006. The effect on substrate silica incorporation on post-germination damping off of vinca. *HortScience* 41:979. (Abstract).

Giammaria, S., Atallah, Z.K., Stevenson, W.R., and Rupe, J. 2006. Sequence Analysis and Pathogenic Characterization of fusarium spp. Associated with Sudden Death Syndrome of Soybean Agron. Abstract (online). American Society of Agronomy, Madison, WI (1319b).

Giammaria, S., Shi, A., Rupe, J., and Chen, P. 2006. Genetic analysis of the resistance to sudden death syndrome in Hartwig soybean. Agron. Abstract (online). American Society of Agronomy, Madison, WI (1320a).

Giammaria, S.L., and Rupe, J.C. 2006 Effect of field resistance to the soybean cyst nematode on soybean sudden death syndrome development and yield components. Southern Division APS, [www.apsnet.org.library.uark.edu/meetings/div/so06abs.asp](http://www.apsnet.org.library.uark.edu/meetings/div/so06abs.asp).

Kirkpatrick, T.L. 2006. Field crop diseases. Pesticide Training. Jonesboro, AR. November 30.

Korth, K.L. (2006) Education and Outreach Efforts of the Rice Coordinated Agriculture Project – RICECAP. Abstracts of the annual meeting of American Society of Plant Biologists.

Korth, K.L. 2006. Education and Outreach Efforts of the Rice Coordinated Agriculture Project – RICECAP. Poster presentation at annual meeting of American Society of Plant Biologists, Boston, MA.

Korth, K.L., S.K. Gomez, J. Bede, Qin Wang, A. More, W. Navia. 2006. Regulation of terpene biosynthesis-related genes in *Medicago truncatula* responses to insect feeding. Poster presentation at annual meeting of American Society of Plant Biologists, Boston, MA.

Korth, K.L., S.K. Gomez, J. Bede, Qin Wang, A. More, W. Navia (2006) Regulation of terpene biosynthesis-related genes in *Medicago truncatula* responses to insect feeding. Abstracts of the annual meeting of American Society of Plant Biologists.

- Markell, S.G., and Milus, E.A. 2006. Molecular and virulence differentiation between populations of *Puccinia striiformis* f. sp. *tritici* in the south-central United States. *Phytopathology* 96:(Supplement) S73. (Abstract).
- Melgar, M.O., C.P. West, R.T. Robbins, T.L. Kirkpatrick, and D. Fische. 2006. Endophyte Strain Effects on Soil-Borne Nematode Populations and Tall Fescue Host Suitability. *Agronomy Journal*. (Abstract).
- Milus E.A. 2006. Annual report for Arkansas Wheat Promotion Board.
- Milus E.A. 2006. Annual report for US Wheat and Barley Scab Initiative.
- Milus E.A. 2006. Final report for OECD Fellowship.
- Milus, E.A. 2006. Best management practices for brown patch of tall fescue. Arkansas Turfgrass Association Annual Mtg., Hot Springs.
- Milus, E.A., Hedge, J., and Markell, S.G. 2006. Evaluations for *Fusarium* head blight resistance as measured by severity percentage of scabby seed, grain quality and DON level, and resistance to stripe rust and foliar diseases. Pages 9, 13, 14, 17, and 23, respectively. In: Southern Uniform Winter Wheat Scab Nursery Report, 2006. J.P. Murphy, R. Navarro, and J.H. Lysterly editors. NC State University.
- Milus, E.A., Hedge, J., and Markell, S.G. 2006. Evaluations for stripe rust resistance among US winter wheat cultivars and lines. USDA Stripe Rust Initiative Final Report, 2006.
- More, A.B., and K.L. Korth. 2006. Insect- and pathogen-defense signaling pathway interactions in *Medicago truncatula*. Poster presentation at annual meeting of American Phytopathological Society, Quebec City, Canada.
- More, A.B., and Korth, K.L. (2006) Plant defense signaling and pathway interactions in *Medicago truncatula*. *Phytopathology* 96:S81. (Abstract).
- Robbins, R.T., 2006. A preliminary examination of two undescribed longidorids from the USA *Journal of Nematology* 38:289. (Abstract).
- Rosso, M.L., Rupe, J.C., Martin, F. N., and Rothrock, C.C. 2006. Molecular identification of *Pythium* spp. isolated from soybean fields in Arkansas. *Phytopathology* 96:S100. (Abstract).
- Rosso, M.L., Rupe, J.C., Martin, F.N., and Rothrock, C.S. 2006. Molecular identification of *Pythium* spp. isolated from soybean fields in Arkansas. *Phytopathology* 96:S100. (Abstract).
- Rosso, M.L., Rupe, J.C., Martin, F.N., and Rothrock, C.S. 2006. Molecular identification of *Pythium* spp. isolated from soybean fields in Arkansas. Annual meeting of the American Phytopathological Society, July 29-August 2, Quebec City, Canada.

Rothrock, C.S. 2006. Arkansas state report. S-1028 Ecological and genetic diversity of soilborne pathogens and indigenous microflora.

Rothrock, C.S. 2006. Research report to Bayer on the efficacy of seed treatments fungicides on cotton.

Rothrock, C.S. 2006. Research report to Helena on the efficacy of seed treatment fungicides on cotton.

Rothrock, C.S. 2006. Research report to Syngenta on the efficacy of seed treatments on cotton.

Rothrock, C.S. 2006. Research report to Valent on the efficacy of seed treatments fungicides on cotton.

Rothrock, C.S. 2006. Arkansas state report. S-1028 Ecological and genetic diversity of soilborne pathogens and indigenous microflora. October 24-25, Washington D.C.

Rothrock, C.S., Lee, F. N., Anders, M., Cartwright, R. 2006. Managing seedling disease problems on rice through the development of cold-tolerant cultivars with seedling disease resistance. Rice Board.

Rupe, J. C., Rothrock, C.S., and Cartwright, R. 2006. Annual Report- Effects of genotype on severity of charcoal rot and yield in soybean. Soybean Board.

Rupe, J.C. 2006. Co-Chaired the Technical Committee that organized the program for the 2006.

Rupe, J.C. 2006. Organized and chaired the annual meeting of NCERA 208 – Response to Emerging Threat: Soybean Rust on October 24-26, 2006 in Quincy, FL. 50 attendees.

Rupe, J.C. Wigglesworth, M.D., Smith, S., and Wickizer, S. 2006. Asian soybean rust: Syngenta spore trap project. Southern Division of APS  
[www.apsnet.org.library.uark.edu/meetings/div/so06abs.asp](http://www.apsnet.org.library.uark.edu/meetings/div/so06abs.asp).

Rupe, J.C., Rothrock, C.S., Cartwright, R., and Coker, C. 2006. Annual Report-Effect fungicide, cultivar, and cropping sequences on aerial blight of soybean. Soybean Board.

Rupe, J.C., Rothrock, C.S., Kirkpatrick, T. L., Popp, M., and Cartwright, R. 2006. Annual Report-Control of seedling disease by fungicide seed treatment, cultural practice, and cultivar selection and their effect on soybean establishment, yield, and weed control. Soybean Board.

Taylor, J.H., and Rothrock, C.S. 2006. Influence of cultural practices and the environment on pod rot incidence in green beans in the mid-south. *Phytopathology* 96:S113. (Abstract).

Taylor, J.H., and Rothrock, C.S. 2006. Influence of cultural practices and the environment on pod rot incidence in green beans in the mid-south. Annual meeting of the American Phytopathological Society, July 29-August 2, Quebec City, Canada.

Thomas, A.C. and T.L. Kirkpatrick. 2006. Crop Rotation for Management of Nematodes in Cotton and Soybean. Arkansas Cooperative Extension Service Fact Sheet.

Tomlinson, A. N., Correll, J. C., Feng, C., and Irish, B. M. 2006. Genetic mapping and identification of genes for important traits using a genomic library. *Phytopathology* 96: S115.

Tomlinson, A.N., Correll, J.C., Feng, C., and Irish, B. M. 2006. Genetic mapping and identification of important traits in spinach using a genomic BAC library. International Spinach Meeting (August). Mt. Vernon, WA.

Villarroel, M.I., du Toit, L.J., and Correll, J.C. 2006. Genetic and molecular characterization of *Verticillium dahliae*. International Spinach Meeting (August). Mt. Vernon, WA.

Wilson, C.E. (editor). Rice Info Sheet 154 Arkansas Rice Performance Trials 2004-2006.

Wilson, C.E. and Cartwright, R. D. 2006. On-Farm Rice Variety and Disease Monitoring Trials, 17 Counties.

## **Poultry Science**

Anthony, N.B., Cobb Vantress: SNP typing of ascites susceptible and resistant broilers. Effects of Uniformity on Hatching Egg Quality and Uniformity, R. Keith Bramwell, Proceedings of the USPE Hatchery Breeder Clinic, Birmingham, AL, July 2006.

Bramwell, R. Keith, Scott Martin, Chris Fritts, Incubation and Hatchery Management, proceedings of the Annual Poultry Federation Symposium, Springdale, AR, September 2006.

Bramwell, R. Keith, Basic concepts and current challenges in managing the broiler breeder male. 1, Proceedings of The University of Arkansas Modern Poultry Production Short Course, Fayetteville, AR., September 2006.

Bramwell, R. Keith, Combating floor and slat eggs in the breeder house. Proceedings of The University of Arkansas Modern Poultry Production Short Course, Fayetteville, AR., September 2006.

Bramwell, R. Keith, On Farm Hatching Egg Transport and Storage. Proceedings of the Jamesway Hatchery Management Seminar, Springfield, MO., October, 2006.

Bramwell, R. Keith, Sperm penetration values in Cobb 500 broiler breeders flocks and the effect on hatchability in Areca, Guatemala. prepared for Cobb-Vantress World Technical Report.

Bramwell, R. Keith, Pete Sbanotto and Doug E. Yoho. Effect of sperm penetration and hatching egg uniformity on hatch of fertile in peak age flocks. Prepared for George's, Inc., Breeder Collection Team.

Bramwell, R. Keith, and Doug E. Yoho, Effect of sperm penetration and hatching egg uniformity on hatch of fertile in young, peak and old breeder flocks. Prepared for Tyson-Monett Breeder Department.

Bramwell, R. Keith, and Doug E. Yoho, Effect of sperm penetration and hatching egg uniformity on hatch of fertile in troubled breeder flock. Prepared for Tyson-Sedalia (Mo.) Breeder Department.

Bramwell, R. Keith, Breeder Production and Management, Modern Poultry Production Short Course, Center of Excellence for Poultry Science, Fayetteville, AR, September 2006.

Bramwell, R. Keith, Incubation and Hatchery Management, Modern Poultry Production Short Course, R. Keith Bramwell, Center of Excellence for Poultry Science, Fayetteville, AR., September 2006.

Dirain, M.L., F. Solis de los Santos, P.J. Blore, K. Cole, I. Reyes-Herrera and D.J. Donoghue (2006). Litter Alum treatment reduces *Campylobacter* colonization in the ceca of broilers. Food Safety Consortium. Fayetteville AR, CDrom.

Donoghue, D.J., N.J. Stern, A.M. Donoghue and M.B. Farnell (2006). Preharvest intervention with bacteriocins: reducing the incidence of *Campylobacter* in poultry. Progress report. Food Safety Consortium. Fayetteville AR, CDrom.

Goodwin, Jr., H.L., "The Future of Animal Agriculture in North America – Animal Health, Food Safety, Consumer Demand and Community Aspects.", Organized symposium presented at the Western Agriculture Economics Association Annual Meeting, Anchorage, AK., June 28-30, 2006.

Goodwin, Jr., H.L., "The Future of Animal Agriculture in North America, Food Safety and Animal Health", Official Report Release to Legislative and Regulatory Officials, Mexico City, Mexico, April 19, 2006.

B.M. Hargis, M. B. Farnell, A.M. Donoghue, F. Solis de los Santos, P.J. Blore, G. Tellez and D. J. Donoghue. Stimulation of Mucosal Immunity With Probiotics. ABI 2006.

Henderson, Savannah N., R. Keith Bramwell, Scott Martin, On-Farm Egg-Holding Temperatures for Commercial Broiler Breeder Flocks of Various Ages. Prepared for Cobb-Vantress RAC Technical Report.

A Wolfenden, A Sandoval, M. Corbalá, I. Quintero, L. Rodríguez, G. Gaona, G. Tellez, A. Donoghue, D. Donoghue, and J. Reyes Esparza, B. Hargis Evaluation of a lactic-acid bacterial probiotic for the treatment of chronic constipation. ABI 2006.

B.M. Hargis. Use of a novel AI vaccine. South China Agriculture University. September 2006.

B.M. Hargis. AI vaccine and Bio-sensor. Kang Mu and Pacific Vet Group. September 2006.

B.M. Hargis. AI vaccine and Bio-sensor. China Agriculture University. September 2006.

Jurkevich, A. and W.J. Kuenzel. 2006. Fertility in male broiler breeders: neurobehavioral approach. (Presented by Alexander at the S-1020 Regional Project meeting, October 26-27, 2006, St. Croix).

Kuenzel, W.J., T. Rathinam and H. Li. 2006. Significance of the eyes and the lateral septal organ in housing photoreceptors responsible for stimulating gonadal development. (Given at the S-1020 Regional Project meeting, October 26-27, 2006, St. Croix).

R. Ricke, "Ecology and Pathogenesis of Foodborne Salmonella in Egg Laying Hens" Food Safety Consortium Symposium, University of Arkansas, Fayetteville, AR, Oct. 2, 2006.

R. Ricke, "Salmonella Fermentation and Colonization Ecology in the Avian Gastrointestinal Tract" Texas Branch Meeting of the American Society for Microbiology, University of Texas Medical Branch, Galveston, TX, Nov. 17, 2006.

Hanning, I. and M. Slavik. 2006 Campylobacter-biofilms and virulence. Food Safety Consortium, Fayetteville, AR .

## **OTHER CREATIVE ENDEAVORS**

### **Agricultural Economics and Agribusiness**

Ahrendsen, Bruce L. 2006. "Does Taste Necessarily Matter for a Beer's Success?" Survey instrument and analytical approach prepared for use in the International MBA in Agribusiness, Czech University of Agriculture in Prague, 2002-2006.

Babcock, R., E. Clausen, M. Popp, and B. Mattingly. 2006. "Biodiesel Production from Varying Grades of Beef Tallow and Chicken Fat." Final Report Award Number MBTC-2058. Mack Blackwell Transportation Center.

Carreira, R. I., and H. L. Goodwin, Jr. 2006. "Poultry Litter Issues in Northwest Arkansas." Seminar presented at Michigan State University, East Lansing, MI, November 28.

Danforth, Diana, Jennifer Lund, Twinkle J. Sangepogudavid and Jo Helms. COTMAN Software and handheld Data Collection Devices: Hands-on software instruction (two repeated sessions), Cotton Incorporated COTMAN Workshop, Memphis, TN, October 31, 2006.

Hignight, J., E. Wailes, J. Popp and J. Smartt. 2006. "Investing in On-farm Reservoirs Under Alternative Land Tenure Arrangements." Poster presented at the Arkansas Rice Field Day, Stuttgart, AR, August 9.

Kelly, J., C. Parsons, R. Bacon and M. Popp. 2006. "Taking Canola from Research to Production in Arkansas." Selected Poster on CD ROM at the ASA meetings in Indianapolis.

Popp, J., G. Rodriguez, J. Pennington, E. Gbur, and I. Chaubey. 2006. "From Conflict to Cooperation: Enlisting Stakeholders to Address Water Quality Disputes in an Embattled Watershed." Selected poster at the National Public Policy Education Conference. Fayetteville, AR. September 17-20.

Popp, J., G. Rodriguez, J. Pennington, E. Gbur, and I. Chaubey. 2006. "Enlisting Stakeholders to Address Water Quality Disputes in Lincoln Lake Watershed." Poster presented AWAG (Arkansas Watershed Advisory Group) Watershed Conference. Fayetteville, AR. November 2-4.

Popp, M. with the help of Dr. C. West, Dr. R. Bacon and Dr. J. King prepared a report for Dr. Shult on the potential for alternative energy crops in Arkansas.

Popp, M. "Economic Issues of Renewable Fuels from Biomass." 2006. Part of the Biofuels 101 initiative presented to the Arkansas legislature, Arkansas lobbyists, Division of Agriculture and the Energy and Value-added Products from Biomass: A Workshop for the People of Arkansas conference, Little Rock, August 24-25.

Rainey, Ron. 2006. "Organic Agriculture." Panelist at the Food Safety Consortium Conference session workshop. Fayetteville, AR. October 3. Multi-state (national).

Rainey, Ron. 2006. "Opportunities in Organics for Arkansas." Panelist during Arkansas Venture Forum's 5<sup>th</sup> Annual Venture Conference. Rogers, AR November 16.

Rainey, Ron, Harrison Pittman and Hunter Hauk. 2006. "Growing Organic Market and Extension Professional Perceptions." Poster presented at 2006 Food Distribution and Research Society's Annual Meeting. Quebec City, Quebec. October.

Thomsen, Michael. 2006. Delivered a presentation titled "Broiler Contracts" to a group of Chinese poultry industry professionals visiting the U of A (October 20). The purpose of the presentation was to explain the workings and features of broiler production contracts.

Wailes, E. 2006. "Rice Policy Research and Update for 2007 Farm Bill and the WTO." Arkansas Rice Producers Field Day, Stuttgart, Arkansas. August 9.

Wailes, E. 2006. "Economic Impacts of Energy Prices, Drought, Prospects for 2007 Farm Bill and Status of WTO Negotiations and Update on Food and Agriculture in China." Presentation for Congressional Aides Tour for Arkansas Congressional Delegation. September 2.

Wailes, E. 2006. Interviewed for news articles published in the Wall Street Journal, August and December. Washington Post, September.

Whitmore, S., M. Redfern, J. Popp and D. Danforth. 2006. "Residents' Perceptions of Surface Water Quality Changes, Sources of Negative Impacts, and Willingness to Pay to Improve Water

Quality.” Selected poster at the National Public Policy Education Conference. Fayetteville, AR, September 17-20.

### **Agricultural Statistics**

Ed Gbur, with the technical assistance of Jeff Velie, has developed and maintained a web site for the North Central Region based Multi-state Project NCCC-170 “Research advances in agricultural statistics.”

Kevin Thompson prepared statistical tables for inclusion in the annual report of the Pickled Products Evaluation Project (Ron Buescher, PI).

### **Entomology**

Barnes, J. 2006. Boxelder bugs. University of Arkansas Arthropod Note No. 44. (available at <http://www.uark.edu/depts/entomolo/museum/gallery.html>).

Barnes, J. 2006. Common leaf-footed bug. University of Arkansas Arthropod Note No. 47. (available at <http://www.uark.edu/depts/entomolo/museum/gallery.html>).

Barnes, J. 2006. Fourlined plant bug. University of Arkansas Arthropod Note No. 46. (available at <http://www.uark.edu/depts/entomolo/museum/gallery.html>).

Barnes, J. 2006. Green June beetle. University of Arkansas Arthropod Note No. 41. (available at <http://www.uark.edu/depts/entomolo/museum/gallery.html>).

Barnes, J. 2006. Large milkweed bug. University of Arkansas Arthropod Note No. 45. (available at <http://www.uark.edu/depts/entomolo/museum/gallery.html>).

Barnes, J. 2006. Post-oak locust. University of Arkansas Arthropod Note No. 42. (available at <http://www.uark.edu/depts/entomolo/museum/gallery.html>).

Barnes, J. 2006. Snowberry clearwing. University of Arkansas Arthropod Note No. 40. (available at <http://www.uark.edu/depts/entomolo/museum/gallery.html>).

### **Food Science**

Hettiarachchy, Navam. 2006. Show and Tell. Demonstrated edible protein film production using extruder and discussed food, and pharmaceutical applications to Japanese scientists.

Morris, J. 2006. Met with OXBO in June for meetings concerning the vineyard mechanization patent implementation.

Morris, J. 2006. Acted as adviser to Wiederkehr Wine Cellars, Altus, AR; Mount Bethel Wine Cellars, Altus, AR; Post Familie Winery, Altus, AR; Chateau Aux Arc Vineyards and Winery,

Altus, AR.; Cowie Wine Cellars, Paris, AR; and several wineries and vineyards throughout the United States.

Morris, J. 2006. Advised colleagues from other Universities on viticulture and enology research issues.

Morris, J. 2006. Evaluated harvesting operations in a large commercial hand-farmed vs. machine-farmed Central Coast California vineyard.

Proctor, A. 2006. Confidential proprietary research. Riceland Foods & Institute of Food Science and Engineering.

Siebenmorgen, T. 2006. Gave interview to Carroll Smith with Rice Farming magazine for featured article "Manage stored grain online". This was the feature article of that issue. Vol. 40, No. 7, PP 6-7.

Siebenmorgen, T.J. 2006. Update on drying and milling research. Presentation to Buhler and Riceland Foods. Fayetteville, AR. December 13.

Wang, Y.-J. 2006. NRI Project Progress Report Structure/functionality relationships of granule architecture and swelling/leaching of starch.

Wang, Y.J. 2006. Initiated research collaboration with Laboratory of Pharmaceutics at Ghent University in Gent, Belgium. Spent 4 months as a visiting researcher to conduct abbatinal research on application of modified starches for controlled drug release.

## **Horticulture**

Carson, Janet. 2006. 52 weeks of call-in radio show.

Carson, Janet. 2006. 6, 30-minute TV programs for AETN.

Carson, Janet. 2006. 24 spots for KARK –from the Garden TV shows.

Clark, J. Prime-Jim® blackberry; Plant Patent 16,989, Aug. 15, 2006.

Clark, J. Ouachita blackberry; Plant Patent 17,162, Oct. 24, 2006.

Morelock, T. 2006. Cowpea Variety 951135, US Patent 6,984,776 B2.

Morelock, T. 2006. Cowpea Cultivar AR 92-674, US Patent 7,098,386.

Morelock, T. 2006. Cowpea Cultivar AR 95-104, US Patent 7,098,387.

## **Poultry Science**

Bramwell, R. Keith, Assisted Cobb-Vantress Technical Services Team with clients in Guatemala City, Guatemala to address poor egg production and poor hatchability problems in breeder flocks, August, 2006.

Bramwell, R. Keith, Judged the Carroll County 4-H/FFA poultry and exhibition poultry show in Berryville, AR, September 2006.

Bramwell, R. Keith, Judged the White County 4-H/FFA poultry and exhibition poultry show in Searcy, AR, September 2006.

Bramwell, R. Keith, Judged the Faulkner County 4-H/FFA poultry and exhibition poultry show in Conway, AR, September 2006.

Emmert, Jason, Assisted with the review process for a competitive research grant program sponsored by Adisseo; one basic and one applied research grant was awarded.

Erf, G. Held several research technique mini-workshops for people from Industry and for High School/Graduate students.

Goodwin, H.L. Creation of a new Agribusiness course, Agricultural Sales Management AGEC 3313.

Goodwin, H.L. Creation of beta versions litter trading software MatchMaker and website LitterMart.com.

Wideman, Robert, International Conference on Avian Nutritional and Metabolic Disorders (Co-Organizer with Professor Xiaolong Wang: <http://anmd.njau.edu.cn/> 2005, 2006).

# School of Architecture

## **BOOKS and BOOK CHAPTERS**

Blackwell, Marlon. "Archipelago: Essays on Architecture." Edited by Peter MacKeith. Rakennustieto Oy Press: Helsinki, Finland. October 5, 2006.

Blackwell, Marlon. "Masters of Light: Designing the Luminous House." Edited by Peter Hyatt. The Images Publishing Group: Victoria, Australia. June 2007.

Blackwell, Marlon. "100 Great Extensions and Renovations." Edited by Philip Jodidio. The Images Publishing Group: Victoria, Australia. June 2007.

Blackwell, Marlon. "Exceptional Houses: Alternative of Individual Housing." Architecture Center Exhibition Catalog: Brno, Czech Republic. May 2007.

Blackwell, Marlon. "Contemporary Design in Detail: Small Environments." Rockport Publishers: Beverly, Massachusetts. March 2007.

Blackwell, Marlon. "XS: Small Structures, Green Architecture." Universe Publishing: New York, New York. March 2007.

Boyer, Mark. "Stormwater Conveyance Section of the Stormwater Section 320." Edited by Len Hopper. John Wiley and Sons, 2007.

Boyer, Mark. "U.S. National Wildlife Refuges: Public Use and Eco-Tourism Contributions." pp. 142-150. Verso un Centro Studi Toward a Study Center Seminario Seminar. 2006.

Boyer, Mark. "Reflection on Cervara: A Collection of Essays on Various Planning, Design, and Management Issues in Cervara and the Monti Simbruini Park." Verso un Centro Studi Toward a Study Center Laboratorio Workshop. pp.99-145. 2006.

Messadi, Tahar. Field Guide to Architectural Illumination. SPIE Press, Published August 30, 2007.

Smith, Carl and Clayden Dunnett. Residential Landscape Sustainability: A Checklist Tool. London, Blackwells 2007.

## **REFERRED ARTICLES AND PROCEEDINGS**

Beatty, Frances G. Book Review for Landscape Journal, February 2007. Michael Van Valkenburgh Associates: Allegheny Riverfront Park Source Books in Landscape Architecture by Jane Amidon, Series Editor: New York, Princeton Architectural Press, 2005.

Beatty, Frances G. "Yellowstone Hotspot: Reflections on Scenic Beauty, Ecology, and the Aesthetic Experience of Landscape." Article Review for Landscape Journal, April 2007.

Crone, John V, "Looking Back to Inform the Future: Sustainable Agriculture and the Community Design." Vancouver, British Columbia. June 14-17, 2006.

Fields, Darell. "Josephine Baker: Parody Series." Drawn In International Exhibition at the August Wilson Center for African American Culture, Pittsburgh, PA. January – August 2007.

Herman, Gregory. "The Things They've Done." Review of Rice University School of Architecture Alumni. Edited by William Cannady, 2007.

Hughes, Michael. "Tectonic Gardens." Journal of Architectural Education 58/4, p.54-57. November 2006.

Hughes, Michael. "Alions (sic) Will Land Here." Batture: The L.S.U. School of Architecture Journal, p.20-27. August 2006.

Hughes, Michael. "Constructed landscape: Joy House Project." OZ: Beyond Aesthetics (The Kansas State University Journal of Architecture), p.16-17. August 2006.

Hughes, Michael and Bruce Wrightsman. "TrailerWrap: Re-Fabricating Manufactured Housing." OZ: Beyond Aesthetics (The Kansas State University Journal of Architecture), p.12-15. August 2006.

Smith, Clayden and A. Dunnett. "An Exploration of the Effect of Housing Unit Density on Aspects of Residential Landscape Sustainability in England". Journal of Urban Design.

Smith, Korydon and Timothy deNoble. "Aphasia: Mending the Break between Cognition and Representation in Design Thinking." National Conference on the Beginning Design Student, Savannah College of Art and Design. Savannah, Georgia. March 2007.

Smith, Korydon, Jennifer Webb, and Brent Williams. "Perceptions of Independent Living: Influences on the Relationship between Disability and Design." Interdisciplinary Design and Research Journal No.1. 2006.

Smith, Korydon. "Codes and Ideology in Housing Design: A Context for Universal Design." International Symposium on Universal Design and Visitability: From Accessibility to Zoning. Ohio State University: Columbus, Ohio. July 2006.

### **ARTICLES AND UNREFEREED PUBLICATIONS**

Beatty, Frances G. "Toward a Study Center." UA Rome Study Center & Universita' degli Studi Roma Tre, Fall 2006.

Beatty, Frances G. "Historic Preservation is Good Business: Boston Common, Muddy River, and the Blue Ridge Parkway."

Beatty, Frances G. "Reflections on Cervara: Historic Preservation Guidelines."

- Beatty, Frances G. "Reflections on Cervara: U.S. National Park Service Management and Promotion Model."
- Beatty, Frances G. "Reflections on Cervara: Not-for-Profit Advocacy Organizations."
- Blackwell, Marlon. "Grand Designs." Essex, England. September 2006.
- Blackwell, Marlon. Arquine. Edited by Miquel Adria. Mexico City, Mexico. Autumn, 2006.
- Blackwell, Marlon. Eat Golf! "Building Attraction: Could the Clubhouse Hold the Key to Unlock Golf's Future Potential?" London, England. July, 2006.
- Blackwell, Marlon. Plum. "A Bridge to the Future." New York, New York. June, 2007.
- Blackwell, Marlon. Residential Architect. "Residential Architect Design Awards." Washington DC. May 2007.
- Blackwell, Marlon. Custom Home. "2007 Custom Home Design Awards." Washington DC. May 2007.
- Blackwell, Marlon. Men's Vogue. "Ozark Open." New York, New York. Jan, 2007.
- Blackwell, Marlon. Ozarks Magazine. "Ozark Vernacular Architecture: Then and Now." Gravois Mills, Missouri. March 2007.
- Crone, John V. "Roundabout Study for West Memphis." MBTC Annual Report, 2005-2006.
- Hughes, Michael. Written by James Murdock. "Catovic Hughes Embraces Context." Architectural Record Magazine, p.54. May 2007.
- Hughes, Michael. "The Moreland Residence." HGTV 'What You Get For Your Money.' Feature on the Moreland Residence in Baton Rouge, LA. Filmed on February 10, 2007.
- Hughes, Michael. "University Projects Feature Factory-Built Housing." Crittenden's Manufactured Housing Report, Vol. 14, No. 1, p.3. Feature focusing on the TrailerWrap project and similar design-build projects at Auburn, University of Kansas, and Notre Dame.
- Hughes, Michael. Written by Kelly Beamon. "Park Proud." This Old House Magazine, p.19. April 2007. Feature on the TrailerWrap project.
- Hughes, Michael. Written by Jefferson Dodge. "Design Students Retrofitting Mobile Home in Boulder." Silver & Gold Record, p.5. July 6, 2006. Feature on the TrailerWrap project.
- Hughes, Michael. Written by Pam Bordelon. "Something Different." InRegister, p.8. October 2006. Cover photo and feature on the Moreland Residence in Baton Rouge, Louisiana.

Smith, Carl. "Greening the Residential Landscape." Vista. May 2007.

Terry, Laura. "Camp Counsel." Dwell Magazine, Vol.6, No.8, p.100-102. September 2006.

### **RESEARCH REPORTS**

Boyer, Mark. "Implementation of Low Impact Development Best Management Practices to Remediate Sediment from Urban Development in Fayetteville, AR." Arkansas Natural Resources Commission, US EPA. \$464,000. 2007. Listed co-investigator.

Boyer, Mark. "Gulley Park Bioswale Demonstration Project." \$12,000 Arkansas Urban Forestry Council. 2007. Principal investigator and lead designer.

Boyer, Mark. "Diggin' in for Water Quality." \$12,000 Arkansas Urban Forestry Council/Illinois River Watershed Partnership. 2007. Co-investigator.

Crone, John V. "Gateway Project for West Memphis – A Roundabout Feasibility Study." Funded by the Mack Blackwell Rural Transportation Center, the City of West Memphis, and the Arkansas Highway and Transportation Department.

Fields, Darell. "Self-Contained Floor Tile." (invention disclosure Ref. #6539C3) Technology Licensing, Office of the Vice Provost for Research, University of Arkansas. April 2006 – Present.

### **INVITED LECTURES**

Beatty, Francis G. "The University as Service to the Territory." Rome, Italy, UA Rome Study Center & Università degli Studi Roma Tre, 20-21. October 2006; lecture "Integrating the Academy: Community Connections Through Service Learning and Outreach Programs."

Blackwell, Marlon. Savannah College of Art and Design. Savannah, Georgia. May 2007.

Blackwell, Marlon. Harvard GSD (StudioScope Symposium). Cambridge, Massachusetts. April 2007.

Blackwell, Marlon. University of Tennessee. Knoxville, Tennessee. April 2007.

Blackwell, Marlon. Auburn University. Auburn, Alabama. January 2007.

Blackwell, Marlon. Virginia State AIA Convention. Richmond, Virginia. November 2006.

Blackwell, Marlon. Georgia Tech University. Atlanta, Georgia. October 2006.

Blackwell, Marlon. Batesville Women's Club. Batesville, Arkansas. October 2006.

Blackwell, Marlon. University of Utah School of Architecture. Salt Lake City, Utah. October, 2006.

Blackwell, Marlon. Jacksonville AIA. Jacksonville, Florida. September 2006.

Blackwell, Marlon. University of Florida. Gainesville, Florida. September 2006.

Blackwell, Marlon. Expocasa Bolivia. Santa Cruz, Bolivia. August 2006.

Blackwell, Marlon. Final Grad Reviews. UCLA. Los Angeles, California. June 2007.

Blackwell, Marlon. Final Grad Reviews. Yale University. New Haven, Connecticut. May 2007.

Blackwell, Marlon. Degree Project Reviews. Washington University. St. Louis, Missouri. May 2007.

Blackwell, Marlon. Thesis Reviews. Harvard University GSD. Cambridge, Massachusetts. January 2007.

Blackwell, Marlon. Grad Reviews. MIT. Cambridge, Massachusetts. December 2006.

Boyer, Mark. "Fundamentals of Grading and Drainage." Full-day workshops given through CLARB/C2Ed. Workshops in Kansas City, MO. February, 2007, Long Beach, CA. April 2007, and Orlando, FL. May 2007.

Boyer, Mark. "Trees for Stormwater Design." Jonesboro Urban Forestry Council Annual Conference Keynote Presentation, Jonesboro, AR. March 2007.

Boyer, Mark. "Reducing the Impact of Buildings: Green Roof Technologies for LID." Fayetteville, AR. March, 2007.

Crone, John V. "Reclaiming our Agricultural Heritage." Poster Presentation at Agriculture at the Metropolitan Edge (AE), a program within the Center for Global Metropolitan Studies at the University of California Berkeley. April 5-6, 2007.

Fields, Darell. "Reconcilable Differences: Ideological Contexts." Guest Lecturer, Architecture and Race Seminar at the University of Pennsylvania. Spring 2007.

Fields, Darell. "Black Architect's Journey." (symposium) Massachusetts Institute of Technology. Spring 2007.

Goodstein-Murphree, Ethel. "Saving Stone-Works: The Legacy of Edward Durrell Stone." Arkansas Architecture and Landscapes: A Heritage of Distinction conference jointly sponsored by Special Collections, Mullins Library, and the School of Architecture, University of Arkansas, Fayetteville. March 2, 2007.

Goodstein-Murphree, Ethel. "The Challenges of Preserving Modern Architecture." Arkansas Architecture and Landscapes: A Heritage of Distinction conference jointly sponsored by Special Collections, Mullins Library, and the School of Architecture, University of Arkansas, Fayetteville. March 2, 2007.

Hughes, Michael. "Building/Practice." College Lecture Series, Texas Tech University School of Architecture. Lubbock, TX. February 26, 2007.

Hughes, Michael. Solo Exhibition of creative work at the Texas Tech University School of Architecture, Lubbock, TX. February 26 - March 15, 2007.

Hughes, Michael. "TrailerWrap." Invited to speak in a session titled, "Redeveloping Mobile Home Parks" at the 2006 Colorado Housing Now! Conference in Vail, CO. October 2006.

Smith, Carl. "Density versus Space." University of Arkansas School of Architecture Lecture Series 2006-2007. April 23, 2007.

Smith, Korydon. "The Arkansas Universal Design Project: Issues, Goals, and Outcomes." Invited lecture presentation at the annual conference of the Arkansas Fair Housing Commission, Hot Springs, AR. April 19, 2007.

Smith, Korydon. "Boom!: Dilemmas in Housing and Aging in Arkansas." Invited lecture presentation at the Arkansas Arts Center, Little Rock, AR. Sponsored by the Central Chapter of the Arkansas AIA. December 5, 2006.

Smith, Korydon. "Housing and Aging in the South: Housing Design for the Coming Decades." Invited lecture presentation at the "Silver Summit," Springdale, AR, sponsored by the Schmielting Center for Senior Health and Education. November 4, 2006.

Smith, Korydon. "The Arkansas Universal Design Project." Invited lecture presentation at the "VSA Arts," Little Rock, AR, sponsored by the Arkansas Arts Council. November 2, 2006.

Smith, Korydon. "Developing and Implementing Statewide Housing Standards: A Discussion of the Arkansas Usability Standards in Housing." Invited lecture presentation at "The Road to Universal Design," Springfield, MO, sponsored by the Missouri Statewide Independent Living Council and the Universal Design Housing Network. October 21, 2006.

Smith, Korydon. "Beyond Lingo: Redefining UD to Meet Demographic, Legal, and Ideological Trends." Invited keynote presentation at the "Universal Design Symposium: A Wisconsin Discussion," Madison, WI, sponsored by Pathways to Independence. October 17, 2006.

Smith, Korydon. "Developing and Implementing Statewide Housing Standards: A Discussion of the Arkansas Usability Standards in Housing." Invited lecture presentation at the "Universal Design Symposium: A Wisconsin Discussion," Madison, WI, sponsored by Pathways to Independence. October 17, 2006.

Smith, Korydon. "Universal Design Standards." Invited lecture presentation at the "Affordable and Long-term Supports Workgroup," Little Rock, AR, sponsored by the Arkansas Department of Health and Human Services. August 25, 2006.

Smith, Korydon. "The Arkansas Universal Design Project." Invited lecture presentation at "Independence Days: Arkansas Disabilities Expo," Little Rock, AR, sponsored by Arkansas Rehabilitation Services, ICAN, et. al. July 6, 2006.

### **REFEREED SCHOLARLY PAPER PRESENTATIONS**

Beatty, Frances G. "Literary Landscape: The Ideological Connections between James Russell Lowell and Frederick Law Olmsted." EDRA abstract for conference in Sacramento, CA. June 2007.

Boyer, Mark. "Tailgating Low Impact Development Style." Wilmington, NC. March 2007.

Crone, John V. "Looking Back to Inform the Future: Sustainable Agriculture and Community Design." Hosted by the Canadian Society of Landscape Architects, Council of Educators in Landscape Architecture, and the British Columbia Society of Landscape Architects in Vancouver, British Columbia. June 14-17, 2006.

Goodstein-Murphree, Ethel. "The House of Ideas." Annual Conference of the Southeast Chapter Society of Architectural Historians in Auburn, Alabama. September 28, 2006.

Goodstein-Murphree, Ethel. "Behold: Gert Town, the New Orleans Nobody Knows." Annual conference of the Vernacular Architecture Forum in Savannah, Georgia. March 28, 2007.

Goodstein-Murphree, Ethel. "Space and Power." Mid-America Conference on History, hosted by the Department of History at the University of Arkansas, Fayetteville. September 16, 2006.

Herman, Gregory. "Post-Katrina New Orleans & Design/Build: New Building, New Vernacular, New Architecture Forum." Savannah Georgia. March 2007.

Hughes, Michael. "Moreland Residence." Presented at the Association of Collegiate Schools of Architecture National Meeting, Philadelphia, PA. March 2007.

Hughes, Michael. "TrailerWrap: Re-Fabricating Sustainable Urbanism." Association of Collegiate Schools of Architecture Meeting, Los Angeles, CA. October 2007.

Sexton, Kim. "Orsanmichele: Architectural Paradigm of the Commercial Revolution." Society of Architectural Historians in Pittsburgh, PA. April 12, 2007.

Sexton, Kim. "The Spectacle of Sociability: The Loggia as Theater of Urbanitas." College Art Association in New York, NY. February 16, 2007.

Smith, Korydon. "Codes and Ideology in Housing Design: A Context for Universal Design." International Symposium on Universal Design and Visitability: From Accessibility to Zoning, Ohio State University, Columbus, OH.

Smith, Korydon, Jennifer Webb, and Nancy Miller. "Using Q-Sort to Evaluate Environmental Components of Home." Poster presented at the 37<sup>th</sup> Annual Conference of the Environmental Design Research Association, Atlanta, GA.

### **CREATIVE WORK**

Blackwell, Marlon. Porch Dog Prototype. AFH Housing. Biloxi, Mississippi.

Blackwell, Marlon. Lost Rock Ranch Pavilion. Beaver Lake, Arkansas.

Blackwell, Marlon. Lost Rock Ranch House Prototypes. Beaver Lake, Arkansas.

Blackwell, Marlon. Lost Rock Ranch Utility Buildings. Beaver Lake, Arkansas.

Blackwell, Marlon. Blair Garage/House Additions. Fayetteville, Arkansas.

Blackwell, Marlon. Terrasprings Residence and Estate. Fayetteville, Arkansas.

Blackwell, Marlon. Chaddick Pavilion. Fayetteville, Arkansas.

Blackwell, Marlon. IMA Art and Nature Center. Indianapolis, Indiana.

Blackwell, Marlon. Lochala Cabin. Hot Springs, Arkansas.

Blackwell, Marlon. Jim and Nancy Blair New Residence. Fayetteville, Arkansas.

Blackwell, Marlon. Strawberry Plains Audubon Visitors Pavilion. Holly Springs, Mississippi.

Blackwell, Marlon. Mt. Comfort Presbyterian Church. Fayetteville, Arkansas.

Blackwell, Marlon. Gentry Public Library. Gentry, Arkansas.

Blackwell, Marlon. Fulbright Office Building. Fayetteville, Arkansas.

Blackwell, Marlon. Pledger Carport and Renovations. Fayetteville, Arkansas.

Fields, Darell. APPX 1, Black Architectural Discourse supported by the Department of Architecture, African American Studies of the Fulbright College of Arts and Sciences, and the University of Arkansas Press.

Fields, Darell. Superbia Rapid Prototyping Lab and Showroom (UARK Superbia, LLC) Research and development pipeline for the deployment of intellectual property and products related to manufactured housing.

Fields, Darell. Limited Edition Modular Prototype Home, Fayetteville, AR.

Hughes, Michael. TrailerWrap. An architecture-academic design build with Thistle Community Housing, Boulder, CO.

Messadi, Tahar. Design development of acoustical separations applied to the new multistory Meadow Place condominium building in Fayetteville, AR.

Messadi, Tahar. Acoustical design for development conference room and Fulbright Building lounge in Fayetteville, AR.

Smith, Korydon. “Arkansas Usability Standard in Housing.” Development of a statewide manual of housing standards, funded by the University of Arkansas Universal Design Project.

Smith, Korydon. Studio for Adaptable and Inclusive Design Website. University of Arkansas Universal Design Project regarding the design of a website for dissemination of research and issues on affordable, accessible housing for the state of Arkansas.

Smith, Korydon. “Boom! Dilemmas in Housing and Aging in Arkansas.” Exhibition at the Arkansas Arts Center, Little Rock, AR, including housing prototypes and photo-documentary. Sponsored by the Central Chapter of the Arkansas AIA. November 30, 2007 – December 6, 2007.

Terry, Laura. Commission for five paintings for the Shollmier Residence in Little Rock, AR.

Terry, Laura. Invited participant for the Arts in the Air Professional Artists Exhibit, Winthrop Rockefeller Institute, Petit Jean Mountain. June 2007.

Terry, Laura. Painting entitled “Carry Me Home” selected for exhibit at the grand opening of the Arkansas World Trade Center, Rogers, AR. April 2007.

Terry, Laura. Invited participant for Art Market, a curated show of ten local artists. March 2007.

### **HONORS OR AWARDS RECEIVED**

Blackwell, Marlon. Gulf States Regional A.I.A. Design Honor Award. Blessings Golf Clubhouse. Johnson, Arkansas. May 2007.

Blackwell, Marlon. 2007 Residential Architect Magazine Merit Award. Arkansas House. Johnson, Arkansas.

Boyer, Mark. 2007 Charter Awards. Congress for New Urbanism.

Boyer, Mark. 2007 NCARB Prize. National Council of Architectural Registration Boards.

Boyer, Mark. Citation Award 2006. Arkansas Chapter of The American Institute of Architects.

Boyer, Mark. Finalist: 2006 Science and Engineering Visualization Challenge. National Science Foundation.

Boyer, Mark. Academic Convocation Faculty and Student Collaboration Award. University of Arkansas.

Boyer, Mark. 2006 ASLA Honor Award for Analysis and Planning. The American Society of Landscape Architects.

Boyer, Mark. AIA 2006 Education Honor Award. The American Institute of Architects.

Boyer, Mark. EDRA/Places 2006 Awards for Place Design, Planning, and Research. Environmental Design Research Association.

Goodstein-Murphree, Ethel. Charles and Nadine Baum Grant for Teaching Enhancement. Administered by the University of Arkansas Teaching Academy for "N.O.L.A: Revisit Renew," with co-investigator Greg Herman in August 2006.

Goodstein-Murphree, Ethel. McIntosh Faculty Research Award. Department of Architecture, University of Arkansas for "The New Orleans That Nobody Knows," with co-investigator Greg Herman. April 2007.

Goodstein-Murphree, Ethel. Faculty Mentor Honors College Research Grant for Brandi Bobrowski. January 2007.

Herman, Gregory. Education Honor Awards for excellence in course development and architectural teaching. Visioning Rail Transit in Northwest Arkansas: Lifestyles & Ecologies, American Institute of Architects, 2007.

Herman, Gregory. Silver Medalist, Tau Sigma Delta, for Distinction in Architectural Education, 2007.

Herman, Gregory. Macintosh Fellowship for Design Research. May 2007.

Hughes, Michael. The Home. Recipient of a Merit Award in the 2007 Gulf States Region AIA Design Honor Awards Competition. May 2007.

Hughes, Michael and Selma Catovic-Hughes. The Moreland Residence. Merit Award in the 2007 Gulf States Region AIA Design Honor Awards Competition. May 2007.

Hughes, Michael and Selma Catovic-Hughes. The Moreland Residence. Recipient of a Faculty Design Award from the American Collegiate School of Architecture. March 2007.

Hughes, Michael. The Home. Recipient of an Honor Award in the 2006 Colorado AIA Design Awards Competition. October 2006.

Hughes, Michael and Selma Catovic-Hughes. The Moreland Residence. Recipient of a Citation Award in the 2006 Colorado AIA Design Awards Competition. October 2006.

Smith, Korydon. Community Distinction Award. Awarded by the Arkansas Support Network for service in bettering the lives of people with disabilities. July 19, 2006.

Smith, Korydon. Ralph O. Mott Outstanding Faculty Teaching Award. Awarded to an outstanding faculty member in the Department of Architecture. Fall 2006.

Smith, Korydon. School of Architecture Outstanding Advisor Award. Awarded to an outstanding faculty advisor in the School of Architecture. Fall 2006.

Smith, Korydon and Mark Boyer. "Seams and Folds." Sponsored by Curriculum Development Grants for Collaborative Courses in the School for Architecture at the University of Arkansas for the development of an upper-level seminar collaboratively offered by the departments of architecture and landscape architecture. Funding Awarded: \$10,000.

Terry, Laura. Nice Modernist Award for Camp Aldersgate Design Build Project. Dwell Magazine. December 2006.

### **PUBLISHED PROJECTS AND REVIEWS OF WORK**

"Vacillations Between Discrete and Ecological Thinking: The University of Arkansas Community Design Center", *Oz: Journal of the College of Architecture, Planning, and Design* (Manhattan, Kansas: Kansas State University, Volume 28, 2006) pp 24-29.

*Integral Urbanism*, Nan Ellin (New York: Routledge, 2006) pp Introduction, 29, 47-48, 55-56.

"Thickening the Professional Knowledge Base: Developing Planning Models and Solutions for Our State", *The NCARB Prize for Creative Integration of Practice and Education in the Academy* (Washington DC: National Council of Architectural Registration Boards, 2006) pp 20-23.

Stephen Filmanowicz and Payton Chung, "Habitat Trails", *CNU Charter Awards 2007: Congress for the New Urbanism*, 2007, non-paginated.

Vincent Canizaro and Kim Tanzer, "Introduction", *Journal of Architectural Education*, Volume 60, Issue 4, pp 4-15, front cover, and inside front cover.

“Finalists”, AIA 2006 Design Awards, The Arkansas Chapter of the American Institute of Architects, p 9.

Katie Gerfen, “54<sup>th</sup> Annual P/A Awards”, *Architect*, Volume 96, No 1, January 2007, pp 50, and 82-83.

*Integral Urbanism*, Nan Ellin (New York: Routledge, 2006) pp Introduction, 29, 47-48, 55-56.

Julie Kim, “2006 EDRA/Places Awards Planning: Habitat Trails”, *Places: Forum of Design for the Public Realm*, Volume 18, No 3, Fall 2006, pp 18-22, and inside cover.

“Regional Holcim Awards North America”, ed. Edward Schwarz, *Sustainable Construction: Holcim Awards 2005/2006*, Zurich: Staubli Verlag AG and Holcim Foundation for Sustainable Construction, 2006, pp 96-112.

“Light Rail, Linked Cities”, *Research Frontiers: University of Arkansas*, Fall 2006, p 3.

AIA Knowledge Communities Case Study  
[http://www.aia.org/csp2\\_template.cfm?pagename=csp\\_arkansas\\_river](http://www.aia.org/csp2_template.cfm?pagename=csp_arkansas_river).

### **CONFERENCE PRESENTATIONS AND/OR EXHIBITIONS**

Habitat Trails: from infill house to green neighborhood development Charter Awards 2007: CNU XV Congress for New Urbanism, Philadelphia

Visioning Rail Transit in Northwest Arkansas AIA Education Honors Awards AIA 2007 National Convention and Design Expo, The American Institute of Architects: San Antonio

*Veranda Urbanism: Good Shepherd Ecumenical Retirement Community Master Plan*  
54<sup>th</sup> Annual Progressive Architecture Award Winners New York City Center for Architecture

Habitat Trails: from infill house to green neighborhood development 2006 American Society of Landscape Architects Annual Meeting & EXPO and 43rd IFLA World Congress, Minneapolis, Minnesota

Habitat Trails: from infill house to green neighborhood development EDRA/Places Awards for Place Design, Planning, and Research Annual Meeting of the Environmental Design Research Association Atlanta, Georgia

Challenges for Sustainable Ecosystem Design and Management in Built Environments  
Designing, Restoring, and Managing Ecosystems Ecological Society of America 91<sup>st</sup> Annual Meeting: Memphis

Low Impact Development: Two Case Studies in Residential Planning 2007 Sustainable Arkansas Conference U.S. Green Building Council Arkansas Chapter, Rogers, Arkansas

Recombinant Design: Ecology and the End of Nature 2007 AWRC Annual Conference Arkansas Water Resources Center, Fayetteville, Arkansas

Case Study: Habitat for Humanity Incorporating LID Site Design Low Impact Development Workshop The Mid-South Watershed Training Program, Fayetteville, Arkansas

Elements of Landscape and Streetscape Design Your Town Citizen's Institute on Rural Design National Endowment for the Arts and City of Eureka Springs, Arkansas

Finding the Social in Big Box Retail Your Town Citizen's Institute on Rural Design National Endowment for the Arts and Upstate Forever, Spartanburg, South Carolina

*Habitat Trails: from infill house to green neighborhood development* 2006 Arkansas Chapter: The American Institute of Architects Convention Hot Springs, Arkansas

Academic Convocation Faculty and Student Collaboration *Habitat Trails: from infill house to green neighborhood development* 2006 Convocation, University of Arkansas

Design Matters: Great Urban Solutions Through Collaboration American Institute of Architects Memphis Chapter Symposium Memphis, TN

Thickening the Professional Knowledge Base: Developing Planning Models and Solutions for Our State 2006 NCARB Prize Winners National Council of Architectural Registration Boards, Cincinnati

*Recent Work of UACDC* Nashville Community Design Center University of Tennessee in Knoxville Washington University in St. Louis

# Fulbright College of Arts and Sciences

## Anthropology

### **BOOKS**

Nolan, Justin M. Wild Harvest in the Heartland: Ethnobotany in Missouri's Little Dixie. Rowman and Littlefield, Lanham, MD. 2007

Striffler, Steve (ed.) The People Behind the Coal: Communities, Workers, and Multinationals in Colombia. Casa Editorial Pisando Callos. 2007. (Published in both Spanish and English).

Ungar, P.S. (ed.) Early Hominin Diets: The Known, The Unknown And The Unknowable. New York, Oxford University Press, 413 pp., 2006.

### **CHAPTERS**

D'Alisera, JoAnn. "Multiple Sites/Virtual Sittings: Ethnography in Transnational Contexts" In Immigrant & Ethnic Communities in Philadelphia and Beyond, Bryn Mawr, PA: The Center for Ethnicities, Communities, and Social Policy, Bryn Mawr College. Edited volume published by The Center for Ethnicities, Communities, and Social Policy at Bryn Mawr College highlighting the work of the Center's Rockefeller Fellows, 2007.

Kvamme, Kenneth L. "Archaeological Modeling With GIS at Scales Large and Small." In Reading Historical Spatial Information from Around the World: Studies of Culture and Civilization Based on Geographic Information Systems Data. International Center for Japanese Studies, Kyoto, pp. 75-92, 2006.

Kvamme, Kenneth L. "Electrical Resistivity Surveys in Kansas Archaeology." Geophysical Society of Kansas 3(1):4-10 (January-February 2007) <http://GSKS.SEG.ORG>.

Kvamme Kenneth L. "Integrating Multiple High Resolution Geophysical Data Sets." In Remote Sensing in Archaeology, J. Wiseman & F. El-Baz, eds., Plenum Publishers, NY, pp. 146-163, 2007.

W.R. Fowler, Jr., F. Estrada-Belli, J.R. Bales, M.D. Reynolds, & K. L. Kvamme. Remote Sensing and Archaeology of a Spanish-conquest Town: Ciudad Vieja, El Salvador. In Remote Sensing in Archaeology, J. Wiseman & F. El-Baz, eds., Plenum Publishers, NY, pp. 252-267, 2007.

Mainfort, Robert C., Jr. (co-editor and contributor with James M. Davidson) Two Historic Cemeteries in Crawford County, Arkansas. Arkansas Archeological Survey Research Series 62. Fayetteville, AR, 2007.

Nolan, Justin M. & Mary Jo Schneider. "Miracles in the Mountains: Medical Tourism in Rural Arkansas; Ozark Mountains." In *Reimagining Community in a Globalizing World*, Betty Duggan & Steven Folmar, eds. Athens: University of Georgia Press, 2006.

Nolan, Justin M. "What's Old is New Again: Cultural Change in Hunting and Fishing Traditions in Missouri and Arkansas." In *Cultural Analysis and the Navigation of Complexity*, Lisa Brandt, ed. Lanham, MD: University Press of America. 2007.

Plavcan, J. Michael. "The Logic of Creation Science." *Scientists Confront Creationism*, A. Petto & L. Godfrey, eds., Vol 2, 2006.

Rose, J. C. & D.L. Burke. "The Dentist and the Archaeologist: The Role of Dental Anthropology in North American Bioarchaeology." In *Bioarchaeology: The Contextual Analysis of Human Remains*, Buikstra, Jane. E, & Lane A. Beck, eds. Chapt. 12, pp. 323-346, 2006.

Rose, Jerome C. "Paleopathology of the Commoners at Tell Amarna, Egypt, Akhenaten's Capital City. *Memórias do Instituto Oswaldo Cruz*, Rio de Janeiro 101 (Sup. II), pp. 73-76, 2006.

Ungar, P.S. "Dental Functional Morphology: The Known, the Unknown, and the Unknowable." In *The Evolution of Hominin Diets: The Known, The Unknown, And The Unknowable*. Oxford and New York, Oxford University Press, pp. 39-55, 2006.

Ungar, P.S. "Limits to Knowledge on the Evolution of Hominin Diet". In *The Evolution of Hominin Diets: The Known, The Unknown, And The Unknowable*. Oxford and New York, Oxford University Press, pp. 395-408, 2006.

## **REFEREED ARTICLES**

Casana, Jesse. "Structural Transformations in Settlement Systems of the Northern Levant," *American Journal of Archaeology*. 111(2), 2007.

Mainfort, Robert C., Jr. (with Eric Cruciotti, Rita Fisher-Carroll, Charles H. McNutt, and David H. Dye) "An Experiment in Ceramic Description: Upper Nodena" *Southeastern Archaeology* 25(1):78-88, 2006.

Mainfort, Robert C., Jr. (with Rita Fisher-Carroll and Daniel G. Gall). "Sociotechnic Celts from the Upper Nodena Site, Northeast Arkansas." *Midcontinental Journal of Archaeology* 31(2):323-343, 2006.

Plavcan, J. Michael & Daegling, David J. "Interspecific and Intraspecific Relationships between Tooth Size and Jaw Size in Primates." *Journal of Human Evolution* 51: 171-184, 2006.

Striffler, Steve "La otra jungla en el sur," in *Contratiempo*, Numero 35. Abril 2006.  
[*Contratiempo* is a Chicago-based Spanish language journal. This was a special issue on the 100-year anniversary of Upton Sinclair's *The Jungle*.]

Grine, F.E., Ungar, P.S., & Teaford, M.F. "Was the Early Pliocene hominin 'Australopithecus' anamensis a Hard Object Feeder?" *South African Journal of Science*, 102: 301-310, 2006.

Grine, F.E. & Ungar, P.S.; Teaford, M.F. & El Zaatari, S. "Dental Microwear of *Praeanthropus afarensis*." *Journal of Human Evolution*, 51: 297-319, 2006.

Schubert, B.W., Ungar, P.S., Sponheimer, M. & Reed, K.E. "Microwear Evidence for Plio-Pleistocene Bovid Diets from Makapansgat Limeworks Cave, South Africa." *Palaeogeography, Palaeoclimatology, Palaeoecology*, 241: 301-319, 2006.

Scott, R.S., Ungar, P.S., Bergstrom, T.S., Brown, C.A., Childs, B., Teaford, M.F. & Walker, A., "Dental Microwear Texture Analysis." *Journal of Human Evolution*, 51: 339-349, 2006.

Ungar, P.S., Grine, F.E. & Teaford, M.F. "Diet in Early Homo: A Review of the Evidence and a New Model of Adaptive Versatility." *Annual Review of Anthropology* 35: 209-228, 2006.

Ungar, P.S.; Merceron, G. & Scott, R.S. "Dental Microwear of Bovids from Langebaanweg: Evidence for Diet and Palaeoecology." *African Natural History*. 7: 199-200, 2006.

#### **NON-REFEREED ARTICLES AND REPORTS**

Casana, Jesse Review. *The Towns of Palestine Under Islamic Rule: AD 600-1600*, Andrew Peterson. *Antiquity* 80 (310): 1022-1023, 2006.

Kvamme, Kenneth L. Geophysical Investigations at the Larson Site (32BL9), North Dakota. Report submitted to State Historical Society of North Dakota, Bismarck, 2006..

Kvamme, Kenneth L. Geophysical Investigations at Cougar Bar Village (10NP464), Idaho. Report submitted to the Idaho State Historic Preservation Office, Boise, 2006.

Kvamme, Kenneth L.. Report of Geophysical Surveys at the Boise Penitentiary Cemetery. Report submitted to the Idaho State Historic Preservation Office, Boise, 2006.

Kvamme, Kenneth L. Geophysical Investigations. In *Geophysical Survey and Test Excavations During 2005 at Boley Village (32MO37), North Dakota*. S.A. Ahler, ed., pp. 29-48. Report prepared by the PaleoCultural Research Group, Flagstaff, and submitted to the State Historical Society of North Dakota, Bismarck, 2006.

Kay, Marvin. Review. *Paleoamerican Origins beyond Clovis*. Robson Bonnicksen, Bradley T. Lepper, Dennis Stanford, & Michael R. Waters, eds. Texas A&M University Press, College Station, 2005.

Marvin Kay: *Microwear Analysis of Adak Island Lithic Artifacts, Aleutians, Alaska*. Dixie West, Aleutian Islands Project, Kansas State University, Manhattan. 2006.

Marvin Kay: Microwear Analysis of Lithic Artifacts from Oil Sands Area in Northeast Alberta Province, Canada. Lifeways of Canada Limited. 2006.

Schneider, Mary Jo. Review. Threads: Gender Labor and Power in the Global Apparel Industry, Jane L. Collins. Chicago: University of Chicago Press. Work and Occupations: An International Sociology Journal, 33(3):369-370, 2006.

Striffler, Steve. Review. Wal-Mart: The Face of Twenty-First-Century Capitalism, Nelson Lichtenstein, ed. The New Press. Arkansas Historical Quarterly. Autumn 2006.

Striffler, Steve. Review. Putting Meat on the American Table: Taste, Technology, Transformation, Roger Horowitz. Johns Hopkins University Press, Agricultural History, 2006.

Ungar, P.S. Review. Teeth (2<sup>nd</sup> ed.), S. Hillson, Quarterly Review of Biology, 81:190, 2006.

### **INVITED LECTURES**

Erickson, Kirstin. Featured speaker. “No hay trabajo aquí! / There isn’t any work here! Indigenous Women’s Stories and Economic Change in Northern Mexico.” UA-Fort Smith Hispanic Heritage Month, September 21, 2006.

Kay, Marvin. “The Dead of Winter: A Caddoan Cosmology,” Loyola University, Chicago. October 4, 2006.

Kvamme, Kenneth. University of Siena (Italy) Summer School “Quantitative Methods & Data Analysis in Archaeology,” Three courses over a 5-day period, September. Organized five graduate seminars with the University of Birmingham, Department of Archaeology, United Kingdom, through the Access Grid of the Main Library.

Kvamme, Kenneth L. “From the Dakotas to Hells Canyon and Beyond: Archaeological Geophysics on the Lewis and Clark Trail,” Idaho Archaeological Society, Boise, November 2006.

Nolan, Justin M. “Medical Ecology in the Ozarks: The Ecology of Healing Flora.” University of Central Arkansas’ Biology Honors Seminar, 2006.

Nolan, Justin M. “Living History in the Piney Woods: A Study of Folk Cultural Materials and Architecture in North Louisiana.” El Dorado (AR) Rotary Club, February, 2006.

Nolan, Justin M. “Life, Death, and Plantlore in the Piney Hills: Ethnobotanical Symbolism in Rural North Louisiana Cemetery. Summer Symposium at South Ark Community College, El Dorado, AR. June 2007.

Plavcan, J. Michael. Guest Speaker at St. Paul’s Episcopal Church, “Intelligent Design” and at the Arkansas Governor’s School, “Overview of Human Evolution, Summer 2006.

Rose, Jerome C. "The Elite Burials and Human Sacrifice at Mound 72, Cahokia." *Archaeology of Elite Burials*. Symposium, St. Louis (MO) Community College, September 30, 2006.

Sabo, George III. Keynote address. "Stories Told in Stone: Rock Art in Arkansas." Eastern States Rock Art Conference, Morrilton, AR, March 23, 2007.

Striffler, Steve, "Big Chicken: The Poultry Industry and American Health," Drew University, October 2006.

Swedenburg, Ted, "British Asian Musical Interventions Since September 11." *Minority, Indigenous and Third World Studies Research Group*, Cornell University, March 29, 2007.

Swedenburg, Ted, "Bab al-Hadid/Cairo Station: Reassessing an Egyptian Film Classic," *Visual Culture Series*, Kevorkian Center for Near Eastern Studies, New York University April 2, 2007.

Swedenburg, Ted, "Pop Music by French and British Muslim Artists, Post-9/11." Conference on "Europe and Islam," Faculty in the Arts, Humanities and Social Sciences Steering Group & The Humanities Institute, SUNY Stony Brook, April 27, 2007.

Swedenburg, Ted, "Islamic Pop Music in Europe, Post 9/11." Near and Middle East Interdisciplinary Ph.D. Program Lecture Series, University of Washington, May 17, 2007.

Ungar, P.S., The 2006 Stony Brook Human Evolution Symposium and Workshop convened by Richard Leakey, Stony Brook NY, 2006.

Ungar, P.S. "Dental Microwear Texture Analysis and the Diets of Plio-Pleistocene hominins from Africa," Department of Archaeology, University of Cape Town, South Africa, 2006.

Ungar, P.S. Keynote address. "Dental Microwear of PPM bovids from Langebaanweg," Mini-symposium and Workshop, Langebaanweg, Western Cape Province, South Africa, 2006.

Ungar, P.S. "Reconstructing the Diets of Human Ancestors," Department of Anthropology, Southern Illinois University in Carbondale.

### **OTHER LECTURES, PAPERS AND ORAL PRESENTATIONS**

Casana, Jesse. "Tastes Great, Less Error: Stereo Analysis and Photogrammetric DEM Extraction Using CORONA Imagery," Co-organized session, "CORONA Imagery in Archaeology." Annual Meetings of the Society for American Archaeology, Austin, TX, March 2007.

Casana, Jesse. "Subsurface Geophysical Prospection and Lower Town Excavations at Tell Qarqur, Syria," Annual Meetings of the American Schools of Oriental Research, Philadelphia, PA.. November 2006.

D'Alisera, JoAnn. Panel Discussant/Paper, "Transnational Processes and Muslim Identities in the Modern World," Annual Meetings of the American Anthropological Association, San Jose, CA, November 2006.

D'Alisera, JoAnn. "Fear from Afar: Witnessing Civil War in the Sierra Leonean Diaspora." Annual Meetings of the Canadian Anthropology Society, Toronto, May 9, 2007.

Erickson, Kirstin. "A Menace Smoldering in Mexico City: Vigilante Justice and Xenophobia in the Cultural Borderlands of Man on Fire." Annual Meetings of the American Anthropological Association, San Jose, CA, November 2006. (Sponsored by Society for Humanistic Anthropology).

Kvamme, Kenneth. "Geophysical Findings at Larson Village and Neighboring Sites in North Dakota," Plains Anthropological Conference, Topeka, KS. November, 2006.

Kvamme, Kenneth. "Geophysical Surveys as a Form of Archaeology." Annual Meetings of Society for American Archaeology, Austin, TX, April 2007.

Kvamme, Jo Ann & Kenneth L. Kvamme. "Geophysics at 46 Degrees North Latitude," Poster, Annual Meetings of the Society for American Archaeology, Austin, TX, April 2007.

Marvin Kay. "It's the Water. Why People Were Where They Were," Symposium in Honor of R. Bruce McMillan, 52<sup>nd</sup> Midwest Archaeological Conference, Urbana, IL. October 12, 2006.

Marvin Kay. "Gainey Preforms, Tools, and Production Chains: Use Wear Evidence." 64<sup>th</sup> Plains Anthropological Conference, Topeka, KS, November 11, 2006.

Mainfort, Robert C. (with Rita Fisher-Carroll & Douglas W. Bird). "Mortuary Contexts and the Distribution of Copper Artifacts in the Central Mississippi Valley." Southeastern Archaeological Conference, Little Rock, AR, 2006.

Nolan, Justin M. "Life, Death, and Plantlore in the Piney Hills: Ethnobotanical Symbolism in Northwest Louisiana Cemeteries." 30<sup>th</sup> Annual Meetings of the Society for Ethnobiology UC Berkeley, February 2007.

Nolan, Justin M. "Healing in the Hills: Medical Ethnobotany and the Continuity of Traditional Health Beliefs in the Arkansas Ozarks." 30<sup>th</sup> Annual Meetings of the Society for Ethnobiology, UC-Berkeley, February 2007.

Paulus, F.L., Ward, C.V., & Plavcan, J. Michael. "Canine Tooth Crown and Root Proportions in African hominoids." Annual Meetings of the American Association of Physical Anthropologists, March, Philadelphia, 2007.

Ward, C.V., Plavcan, J. Michael & Paulus F.L. "Canine Tooth Crown, Root and Facial Dimorphism in Anthropoid Primates." Annual Meetings of the American Association of Physical Anthropologists, March, Philadelphia, 2007.

Plavcan, J. Michael & Gordon, A.D. "Craniodental versus Postcranial Variables as Estimators of Size Dimorphism in Extinct Taxa." Annual Meetings of the American Association of Physical Anthropologists, Philadelphia 2007.

Rose, Jerome C. & Zabecki, M. "Cribra Orbitalia among the Commoners at New Kingdom Tell Amarna, Egypt." Annual Meetings of the Paleopathology Association, Philadelphia, PA, March 27-28, 2007.

Rose, Jerome C. "Commoners at Tell Amarna, Egypt." 16<sup>th</sup> European Meeting of the Paleopathology Association, Santorini, Greece, August 28-September 1, 2006.

Batey, E. K., Rose, J. C. & Huard, A. "In the Footsteps of Larry Angel: Life Table Analysis of Predynastic Hierakonpolis," Annual Meetings of the American Schools of Oriental Research, Washington, D.C., November 15-18, 2006.

Sabo, George, III & Leslie Walker "Mississippian Developments and External Relationships in the Central Mississippi River Valley," 63<sup>rd</sup> Southeastern Archaeological Conference, Little Rock AR, November 8-11, 2006.

Sabo, George III, Lockhart, J. J., & J. E. Hilliard. "Ritual Use of Caves and Rock Shelters in Ozark Prehistory. 72<sup>nd</sup> Annual Meetings of the Society for American Archaeology, Austin, TX, April 2007.

Sabo, George III, J. E. Hilliard, and Robert C. Mainfort, Jr. "Woodland Period Shell-Tempered Pottery in the Arkansas Ozarks." Refereed poster, 72<sup>nd</sup> Society for American Archaeology Meetings, Austin, TX, April 2007.

Schneider, Mary Jo, C. Laine Gates, & Justin Nolan. "Traditional Foodways and the Politics of Obesity in the Arkansas Delta." Key symposium, Annual Meetings of the Southern Anthropology Society (Oxford, MS), February 2007.

Swedenburg, Ted. "Feminists, Rockers, and Homosexuals: Diversionary Scenes in Chahine's Bab Al-Hadid." Middle East Studies Association Annual Meetings, Boston, November 2006.

Swedenburg, Ted. Presentation on Algerian rai music, Teachers workshop, Kevorkian Center for Near Eastern Studies, New York University, March 31, 2007.

Swedenburg, Ted. "Fun'DaMental Islamophobic Fears: Britain's "Suicide Bomb Rappers." Canadian Anthropology Society Annual Meetings, Toronto, May 9, 2007.

Swedenburg, Ted. Organizer, Session on "Cosmopolitan Circulations of Emotions: Fear, Sympathy, Terror," Annual Meetings of the Canadian Anthropology Society, Toronto, May 9, 2007.

Ungar, P.S. "Paleoecology of the Mio-Pliocene site at Langebaanweg, Western Cape Province, South Africa: Evidence from bovid Dental Microwear". 2nd Annual Meeting of ARKUMO Regional Paleoanthropology Society, Lawrence, KS, 2006.

### **OTHER CREATIVE ACTIVITY**

Erickson, Kirstin. Co-Organizer, 12<sup>th</sup> Annual Native American Symposium, continuing service to plan and implement a series of events for yearly Native American Symposium, consisting of talks/lectures, October 2006.

Kvamme, Kenneth. "Workshop in Geophysics in Archaeology," Northwest Anthropological Conference, Pullman, WA, March 2007.

Kvamme, Kenneth. Instructor for full week (with 50 students): "Current Archaeological Prospection Advances for Non-destructive Investigations in the 21st Century." Sponsored and organized by the U.S. National Park Service at Fort Frederica National Monument, St. Simons Island, GA, May 2007.

Mainfort, Robert C., Jr. Guest curator, "Raiders of the Lost Arkansas (The Legacy of Samuel C. Dellinger)" at the Old State House Museum, Little Rock Department of Arkansas Heritage (2004-2007). The exhibit received an Award of Commendation from the Southeastern Museums Conference in October 2006 and has been viewed by over 60,000 visitors to date.

Mainfort, Robert C., Jr. Co-organizer and Chair (with Lynne P. Sullivan), "Mississippian Mortuary Practices: Beyond Hierarchy and the Representationist Perspective." Symposium at the Southeastern Archaeological Conference, Little Rock, AR. 2006.

Nolan, Justin M. NPR Segment: Ozarks at Large, with Jacqueline Froelich. Promotional interview for Wild Harvest in the Heartland, May 25<sup>th</sup>, KUAF.

Plavcan, J. Micahel. Local Cable TV Televised Lecture: Intelligent Design? Cable TV Interview on Evolution and Creationism.

Rose, Jerome C. Supervises the analysis of skeletons sent to UAF by the Arkansas Medical Examiner.

Sabo, George III. Guest curator, "Above and Beneath this World: Native American Rock Art and Cosmology in the Arkansas River Valley," Museum of Prehistory and History, Arkansas Technological University, Russellville, AR, March 10-November 29, 2007.

Sabo, George III. Participant in 2007 Mississippian Iconography Workshop at Texas State University, San Marcos, May 16-20, 2007.

Striffler, Steve. Interviewed in an hour-long radio segment about poultry processing.

## **Art**

### **BOOKS**

Harington, Donald, Reprints of 2 novels (Thirteen Albatrosses and The Cherry Pit), The Toby Press, 2006.

### **CHAPTERS**

Hapgood, Thomas, chapter in the book, Learning Objects for Instruction: Design and Evaluation, ed. P. Northrup, publisher, Idea Group, inc. 2007.

### **UNREFEREED PUBLICATIONS AND PROCEEDINGS**

Harington, Donald, “Kevin Brockman,” Oxford American Magazine, 2006.

Harington, Donald. Book reviews in Atlanta Journal-Constitution, Rahleigh News and Observer, and the Arkansas Democrat Gazette.

La Porte, Angela, “Committee on lifelong learning,” in NAEA News 2006-2007.

### **INVITED LECTURES**

Hapagood, Thomas, “New NMC Site: You are the Content, “ New Media Consortium Fall Regional Conference, San Antonio, 2006.

Hapagood, Thomas, “What the 2.0 Are We Talking About” Flickr Demo,” New Media Consortium Fall Regional conference, San Antonio, 2006.

Hulen, Jeannie, Visiting Artist Lecture and workshop, University of Arkansas, Little Rock, Fall 2006.

Jacobs, Lynn F., “The Miraculous Threshold in Two Early Infancy Altarpieces: Campin’s Merode Triptych and David’s Nativity Triptych,” Indiana University, January 2007.

Jacobs, Lynn F., “The Miraculous Threshold in Two Early Infancy Altarpieces: Campin’s Merode Triptych and David’s Nativity Triptych,” University of Ghent, Belgium, March 2007.

Jacobs, Lynn F., “The Miraculous Threshold in Two Early Infancy Altarpieces: Campin’s Merode Triptych and David’s Nativity Triptych,” Université Libre de Bruxelles, March 2007.

Jacobs, Lynn F., Presentation on The Professors’ Guide to Getting Good Grades in College, Conference on the First Year Experience, Dallas, February 2007.

Springer, Bethany. Gallery talk, Maryland Art Place, Baltimore, March 2007.

Springer, Bethany. Gallery Talk at the Memphis College of Art, February, 2007.

### **OTHER LECTURES, PAPERS, AND ORAL PRESENTATIONS**

Jacobs, Lynn F., "Grisaille and the Thresholds of Early Netherlandish Triptychs," Historians of Netherlandish Art Conference, November 2006.

La Porte, Angela, and Davis, K.B, "Ties" Making Connections/Touching Lives," Arkansas Art Educators Association Conference, November 2006.

La Porte, Angela and Speirs, P. And Young B, "Art Teachers Reflect on Curriculum Content," National Art Education Association Conference, March, 2007.

La Porte, Angela, "A Descriptive Study of Maria's Drawings Through 18 Months," National Art Education Association Conference, March 2007.

Nelson, Marilyn, "Corporate America and the Modernist Aesthetic," School of Visual Arts National Conference on Liberal Arts and the Education of Artists, New York, October, 2006.

Peven, Michael, "Straight from the Heart, Beauty in Photography and other Subversion Ideas," South Central SPE Conference, Vanderbilt University, Nashville, TN, 2006.

#### VII. Creative Endeavors

Golden, Jackie

"Small Works on Paper," Arkansas Arts Council, traveling exhibition.

"5<sup>th</sup> Annual Small Works Show," Emerald Gallery, Fairfield Iowa, Nov-Jan 2007.

Hulen, Jeannie

"The Post-Millennium Exponent," NCECA (national conference), Louisville, KY.

"The Post-Millennium Exponent," University of Kansas, Lawrence, 2006.

"Keep the Promise," Pride Silent Art Auction, Kitrell Gallery, Northwest Arkansas, 2006.

"Regina Brown and Fund for Artist Development Cup Sale," Silent Auction, NCECA, Portland, OR, 2006.

Hulen, Jeannie. Curator of exhibition: "Three Methods: Walsh, Emami, Rush," University of Arkansas symposium, 2006.

La Porte, Angela

"In Response to Healing," international traveling exhibit, 2006-2007: showing at Gallery 908, Reading PA, November 2006, HUB Robeson Gallery, Penn State, Jan. 2007, and Ohio State University, June 2007.

Musgnug, Kristin  
Inman Gallery, Aqua Art Fair, December 2006.

Solo exhibition, Inman Gallery, Houston, January-February, 2007.

Nelson, Marilyn:  
“The Transferred Image, A Printmaking Exhibition, 33 Collective Gallery, Chicago, July-August 2006.

“Florida Printmakers 15<sup>th</sup> National Print Competition,” Dunedin Fine Art Center, FL, January-February, 2007.

“American Color Print Society, 63<sup>rd</sup> National Open Print Exhibition, Cheltenham Art Center, PA, June-July, 2007.

“Art on Paper,” Maryland Federation of Art, Annapolis, MD, March-April, 2007.

Newman, John:  
exhibition of works, University of Arkansas, Pine Bluff, January-February, 2007.

Peven, Michael  
“SPESC Faculty Exhibit,” Vanderbilt University, Nashville, 2006.

“Good Dog/Bon Chien,” Spiva Art Center, March-April 2007.

“Artists Books ‘07,” Cuesta College Art Gallery, San Luis Obispo, 2007.

“Celebrating Excellence, Arkansas Arts Council Fellowship Program, 1986-2006,” Arkansas Arts Council, Cox Creative Center, Little Rock, 2006.

Springer, Bethany:  
“8<sup>th</sup> Annual Bemis Center Art Auction, Group Exhibition at Bemis Center for Contemporary Arts, Omaha, NE, October 2006.

“Daily Encounters,” Maryland Art Place, Baltimore, February-March, 2007.

“Made Public,” Memphis College of Art, February, 2007.

## **Biological Sciences**

### **BOOKS**

Coxe, R. B., **S. L. Stephenson**, D. M. Madarish, and G. W. Miller. 2006. Vascular flora of The Fernow Experimental Forest and adjacent portions of the Otter Creek Wilderness Area. General Technical Report NE-344, U. S. Department of Agriculture, Forest Service, Northeastern Research Station, Newtown Square, Pennsylvania. 23 pages.

## **CHAPTERS**

Buchanan, P. K., R. E. Beever, D. J. Galloway, T. R. Glare, P. R. Johnston, E. H. C. McKenzie, M. E. di Menna, S. R. Pennycook, G. S. Ridley, J. M. B. Smith, and **S. L. Stephenson**. 2005. The Fungi of New Zealand—An Introduction. Pages 1-48 In: Introduction to Fungi of New Zealand. Fungi of New Zealand Vol. 1. E. H. C. McKenzie (Ed.). Fungal Diversity Research Series 14.

**Stephenson, S. L.** 2006. Fungi. Pages 65-67. In: Encyclopedia of Appalachia. R. Abramson and J. Hasketll (Eds.). The University of Tennessee Press, Knoxville.

## **REFEREED PUBLICATIONS**

**Etges, W. J.**, K. L. Arbuckle, and M. Levitan. 2006. Long-term frequency shifts in the chromosome polymorphisms of *Drosophila robusta* in the Great Smoky Mountains. *Biological Journal of the Linnean Society* 88:131-141.

**Etges, W. J.**, K. F. Over, C. C. de Oliveira, and M. G. Ritchie. 2006. Inheritance of courtship song variation among geographically isolated populations of *Drosophila mojavensis*. *Animal Behaviour* 71:1205-1214.

**Etges, W. J.**, C. L. Veenstra, and L. L. Jackson. 2006. Premating isolation is determined by larval rearing substrates in cactophilic *Drosophila mojavensis*. VII. Effects of larval dietary fatty acids on adult epicuticular hydrocarbons. *J. Chemical Ecology* 32: 2629-2646.

Jaureguy, L. M. and **W. J. Etges**. 2007. Assessing patterns of senescence in *Drosophila mojavensis* reared on different host cacti. *Evolutionary Ecology Research* 9:91-107.

Peterson, E., S. M. Owens, and **R. Henry**. 2006. Monoclonal antibody form and function: Manufacturing the right antibodies for treating drug abuse. *American Association of Pharmacological Sciences* 8(2).

**James, D. A.**, and R. Kannan. 2007. Wild Great Hornbills (*Buceros bicornis*) do not use mud to seal nest cavities. *Wilson Journal of Ornithology* 119:118-121.

Kendrick, M. G., and **T. A. Kral**. 2006. Survival of methanogens during desiccation: Implications for life on Mars. *Astrobiology* 6:546-551.

Ormond, D. R., and **T. A. Kral**. 2006. Washing methanogenic cells with the liquid fraction from a Mars soil simulant and water mixture. *Journal of Microbiological Methods* 67:603-605.

McAllister, S. A. and **T. A. Kral**. 2006. Methane production by methanogens following an aerobic washing procedure: Simplifying methods for manipulation. *Astrobiology* 6: 819-823.

Stober, J. M., and **D. G. Krementz**. 2006. Variation in Bachman's Sparrow territory size at the Savannah River Site, South Carolina. *Wilson Bulletin* 118:138-144.

- Collier, B. A., and **D. G. Krementz**. 2006. White-tailed deer management practices on private lands in Arkansas. *Wildlife Society Bulletin* 34:307-313.
- James, R. A., and **D. G. Krementz**. 2007. Dispersal patterns of giant Canada Geese in the central United States. *Proceedings of the Annual Conference of Southeastern Association of Fish and Wildlife Agencies* 59:144-154.
- Liu, Y., and **M. Lehmann**. 2006. FOXO-independent suppression of programmed cell death by the PI3K/Akt signaling pathway in *Drosophila*. *Developmental Genes and Evolution* 216:531-535.
- Rabalais, M. R., and **D. D. Magoulick**. 2006. Influence of an invasive crayfish species on diurnal habitat use and selection by a native crayfish species in an Ozark stream. *American Midland Naturalist* 155:295-306.
- Rabalais, M. R., and **D. D. Magoulick**. 2006. Is competition responsible for species displacement: native and invasive crayfish interactions. *Biological Invasions* 8:1039-1048.
- Magoulick, D. D.** and R. J. Distefano. 2007. Invasive crayfish *Orconectes neglectus* threatens native crayfishes in the Spring River drainage of Arkansas and Missouri. *Southeastern Naturalist* 6:141-150.
- Flinders, C. A. and **D. D. Magoulick**. 2007. Habitat use and selection within Ozark lotic crayfish assemblages: spatial and temporal variation. *Journal of Crustacean Biology* 27:242-254.
- Kanta, H., L. Laprade, A. Almutairi, and **I. Pinto**. 2006. Suppressor analysis of a histone defect identifies a new function for Hda3 in chromosome segregation. *Genetics* 173:435-450.
- Froman, D. P., J. D. Kirby, and **D. D. Rhoads**. 2006. An expressed sequence tag analysis of the chicken reproductive tract transcriptome. *Poultry Science* 85:1438-1441.
- Overton, L. C., and **D. D. Rhoads**. 2006. Molecular phylogenetic relationships of *Xiphidopicus percussus*, *Melanerpes*, and *Sphyrapicus* (Aves: Picidae) based on cytochrome b sequence. *Molecular Phylogenetics and Evolution* 41:288-294.
- Bailes, S., J. Devers, J. D. Kirby, and **D. D. Rhoads**. 2007. An inexpensive, simple protocol for DNA isolation from blood for high throughput PCR or restriction endonuclease-based genotyping. *Poultry Science* 86:102-106.
- Sagers, C.L.**, and F. Goggin. 2007. Isotopic enrichment in a phloem-feeding insect: effects of nutrient and water availability. *Oecologia* 151:464-472.
- Stechmann, A., M. Baumgartner, **J. D. Silberman**, and A. J. Roger. 2006. The glycolytic pathway of *Trimastix pyriformis* is an evolutionary mosaic. *BMC Evolutionary Biology* 6:101.

Spurrier, S. E., and **K. G. Smith**. 2007. Occurrence of desert mistletoe (*Phoradendron californicum*) infestation positively correlates with blue palo verde (*Cercidium floridum*) height and mortality in the Mojave Desert during a severe drought. *Journal of Arid Environments* 69:187-197.

**Spiegel, F. W.**, J. D. Shadwick, and D. E. Hemmes. 2006. A new ballistosporous species of *Protostelium*. *Mycologia* 98:144-148.

Vasilyeva, L. N., and **S. L. Stephenson**. 2006. Pyrenomycetes of the Great Smoky Mountains National Park. III. *Cryptosphaeria* Ces. et De Not., *Eutypa* Tul. et C. Tul., and *Eutypella* (Nitschke) Sacc. (*Diatrypaceae*). *Fungal Diversity* 22:243-254.

Tran, H. T. M., **S. L. Stephenson**, K. D. Hyde, and O. Mongkolporn. 2006. Distribution and occurrence of myxomycetes in tropical forests of northern Thailand. *Fungal Diversity* 22:227-242.

Landolt, J. C., **S. L. Stephenson**, and M. E. Slay. 2006. Dictyostelid cellular slime molds from caves. *Cave and Karst Journal* 68:22-26.

Fortney, R. H., and **S. L. Stephenson** (eds.). 2006. Wetlands Symposium. Proceedings of the West Virginia Academy of Science 72(3):1-97.

Landolt, J. C., **S. L. Stephenson**, and J. C. Cavender. 2006. Distribution and ecology of dictyostelid cellular slime molds in the Great Smoky Mountains National Park. *Mycologia* 98:541-549.

Powers, D. M., and **S. L. Stephenson**. 2006. Protostelids from tropical forests, woodlands and deserts of Australia. *Mycologia* 98:218-222.

**Stephenson, S. L.** 2006. A new species of *Didymium* (Myxomycetes) from subantarctic Macquarie Island. *Mycological Progress* 5:255-258.

Cordes, J. E., and **J. M. Walker**. 2006. Evolutionary and systematic implications of skin histocompatibility among parthenogenetic teiid lizards: three color pattern classes of *Aspidoscelis dixonii* and one of *Aspidoscelis tessellata*. *Copeia* 2006:14-26.

Taylor, H. L., B. A. Droll, and **J. M. Walker**. 2006. Proximate cause of a phylogenetic constraint on clutch size in parthenogenetic *Aspidoscelis neotesselata* (Squamata: Teiidae) and range expansion opportunities provided by hybridity. *Journal of Herpetology* 40:294-304.

**Walker, J. M.**, S. R. Goldberg, and H. L. Taylor. 2006. *Aspidoscelis exsanguis* (Chihuahuan Whiptail Lizard) x *Aspidoscelis sexlineata viridis* (Prairie Racerunner). *Reproductive Potential. Herpetological Review* 37:344-345.

Paulissen, M. A., **J. M. Walker**, and H. L. Taylor. 2006. Diet of sympatric pattern classes C and D of the parthenogenetic whiptail lizard *Aspidoscelis tessellata* at Sumner Lake, De Baca County, New Mexico. *Southwestern Naturalist* 51:555–560.

Montgomery, C. E., R. N. Reed, H. J. Shaw, S. M. Boback, and **J. M. Walker**. Distribution, habitat, size and color pattern of *Cnemidophorus lemniscatus* on Cayo Cochino Pequeno, Honduras. *Southwestern Naturalist* 52:38–45.

### **UNREFEREED PUBLICATIONS & PROCEEDINGS**

**Etges, W. J.** 2006. *Drosophila desertorum* in Big Bend National Park, Texas: The search for females. *Drosophila Information Service* 88:18-19.

**Etges, W. J.**, and W. B. Heed. 2006. Reproductive isolation in the *Drosophila longicornis* species complex. *Drosophila Information Service* 88:55-58.

**Smith, K. G.** 2006. 100 years ago in the American Ornithologists' Union. *Auk* 123:924-925.

**Smith, K. G.** 2006. 100 years ago in the American Ornithologists' Union. *Auk* 123:1208-1209.

**Smith, K. G.** 2007. 100 years ago in the American Ornithologists' Union. *Auk* 124:365-366.

**Smith, K. G.** 2007. 100 years ago in the American Ornithologists' Union. *Auk* 124:730-731.

Landolt, J. C., and **S. L. Stephenson**. 2006. Dictyostelid cellular slime moulds of Australia. *Australasian Mycological Society Newsletter* 3:2-4.

**Stephenson, S. L.** 2006. Myxo blitz 2006. *ATBI Quarterly* 7:7.

**Stephenson, S. L.**, and G. A. Laursen. 2006. A mycological expedition to the subantarctic Auckland Islands. *Inoculum* 57(3):4-5.

**Stephenson, S. L.** 2006. From the Appalachians to the Ozarks. *Chinquapin* 14(4):26.

### **INVITED and REFEREED LECTURES**

#### **Etges, William J.**

Ecology and speciation in diverging populations of *Drosophila mojavensis*. Department of Biological Sciences, University of Nevada-Las Vegas, 1-3 December 2006.

#### **Magoulick, Daniel**

Spatial and temporal variation in the effects of grazing fish and crayfish on benthic communities during stream drying. Special session on Ecology and conservation of substrate-oriented fishes, North American Benthological Society, Columbia, South Carolina, June 2007.

Use of an intermittent Ozark stream and hyporheic zone by two imperiled crayfishes. Special session on Crayfish Ecology, North American Benthological Society, Columbia, South Carolina, June 2007.

### **INVITED RESEARCH SEMINARS**

Diet, growth, and biomass of brown and rainbow trout in catch and release areas of Bull Shoals and Norfolk tailwaters. White River Fisheries Partnership, Mountain Home, Arkansas.

Effects of catch and release regulations on rainbow trout movement and mortality in Ozark tailwaters. White River Fisheries Partnership, Mountain Home, Arkansas.

The contribution of prey to trout production in Ozark tailwaters: stomach contents versus stable isotope analysis. Southern Division American Fisheries Society Trout Committee meeting, Mountain Home, AR.

Effects of catch and release regulations on rainbow trout movement and mortality in Ozark tailwaters. Southern Division American Fisheries Society Trout Committee meeting, Mountain Home, AR.

The role of drought in streams: affects on population and community dynamics. Sigma Xi Chapter, University of Arkansas.

Foraging patterns of brown trout and rainbow trout in an Arkansas tailwater: a stable isotope and gut content analysis approach. Symposium on Trout Fisheries in Regulated Rivers, Southern Division American Fisheries Society, San Antonio, Texas.

Effects of catch and release areas on movement and mortality of rainbow trout in Bull Shoals and Norfolk tailwaters. Symposium on Trout Fisheries in Regulated Rivers, Southern Division American Fisheries Society, San Antonio, Texas.

Growth and condition of brown and rainbow trout in catch and release areas of Bull Shoals and Norfolk tailwaters. Bella Vista Fly Fishers, Bella Vista, Arkansas.

#### **Sagers, Cynthia**

Invited seminar, Evergreen State University, Biology, Olympia, Washington.

Invited seminar, Southern Illinois University, Biology, Carbondale, Illinois.

#### **Smith, Kimberly G.**

Conservation of tropical birds: Mission possible. XXIV<sup>th</sup> International Ornithological Congress, Hamburg, Germany, August 2006.

Phainopeplas, mistletoe, and drought in the Mojave Desert: A deadly connection. Department of Biology, Boston University, 27 November 2006.

**Stephenson, Steven**

A global perspective on myxomycete biodiversity. 8<sup>th</sup> International Mycological Congress, Cairns, Australia, 21-25 August 2006.

**OTHER LECTURES, PAPERS, AND ORAL PRESENTATIONS****Brown, Art**

Macroinvertebrate communities in four Ouachita Mountain headwater streams: diversity, density, biomass, and production. 55<sup>th</sup> Annual Meeting of the North American Benthological Society. Columbia, South Carolina, June 2007.

Impact of treated sewage on meiofauna in headwater streams. 55<sup>th</sup> Annual Meeting of the North American Benthological Society. Columbia, South Carolina, June 2007.

**Du, Yuchun**

Multiplex labeling and mass spectrometry analysis reveals differential protein expression of human skin fibroblasts in response to different ionizing radiations. 55th ASMS Conference on Mass Spectrometry. Indianapolis, Indiana.

**Durdik, Jeannine**

VDJ recombination in old thymocytes. Asilomar, the 45th Mid-Winter Conference of Immunologists, Pacific Grove, California, 28-31 January 2007.

Enumeration of double stranded breaks in developing thymocytes in young and aging mice. American Association of Immunologists 2007, South Beach Miami, Florida 18-22 May 2007.

**Etges, William**

Ecological genetics of speciation in *Drosophila mojavensis*. The American Genetics Association Annual Symposium "Genetics of Speciation", University of British Columbia, Vancouver, 21-24 July 2006.

**Huxel, Gary**

Trophic structure in pools subject to drying. Ecological Society of America, Memphis, Tennessee, August 2006.

**James, Douglas A.**

Behavior of saimang and spectacled langurs (primates) in an open area at the Tulsa Zoo" Animal Behavior Society, Snowbird, Utah, 15 August 2006.

Variations in geographic latitude of growth of retrices in Swainson's Warblers based on hydrogen isotope ratios" 4<sup>th</sup> North American Ornithological Conference, Veracruz, Mexico, 7 October 2006.

Foraging behavior of six species of forest birds in oak-hickory forests of northwestern Arkansas" 4<sup>th</sup> North American Ornithological Conference, Veracruz, Mexico, 6 October 2006.

Populations and habitat selection of small mammals in the tallgrass prairies of northwestern Arkansas. Arkansas Academy of Science, Arkansas Teach, Russellville, 13 April 2007.

Status of birds newly recorded in Arkansas since 1985. Arkansas Academy of Science, Arkansas Teach, Russellville, 14 April 2007.

Status of birds newly recorded in Arkansas since 1985. Southwestern Association of Naturalists, Tarleton State University, Stephenville, Texas, 21 April 2007.

**Kral, Timothy A.**

Adaptation of methanogens to carbon monoxide. Astrobiology Science Conference, 2006.  
Survival of methanogens during periods of desiccation: Implications for life on Mars. Astrobiology Science Conference, 2006.

Survival of methanogens during periods of desiccation: Implications for life on Mars. Meteoritical Society Meeting, 2006.

Methanogens: A model for life on Enceladus. Enceladus Focus Group.  
Comparison of numerical modeling and temperature records from the Mars Pathfinder landing site. Lunar Planetary Science Conference, 2007.

Oxidation of iron and metabolization of carbonate through methanogens: Implications for the early terrestrial environment. Lunar Planetary Science Conference, 2007.

Comparison of numerical modeling and temperature records from the Mars Pathfinder landing site. Lunar Planetary Science Conference, 2007.

Methane production on rock and soil substrates by methanogens: Implications for life on Mars. American Society of Microbiology, 2007.

**Krementz, David**

Changes in harvest and winter distributions of Mallards in recent times. Fourth North American Duck Symposium, 2006.

Changes in winter distributions of mallards in the Mississippi and Central flyways during recent times. 13<sup>th</sup> Wildlife Society Meeting, 2006.

American Woodcock wingbee reliability. Tenth American Woodcock Symposium, 2006.

Population dynamics of American Woodcock in the Central Region. Tenth American Woodcock Symposium, 2006.

Fall migration rates, routes, and habitat use of American Woodcock in the Central Region. Tenth American Woodcock Symposium, 2006.

American Woodcock fall migration using Central Region band recovery and wing-collection survey data. Tenth American Woodcock Symposium, 2006.

**Lehmann, Michael**

Differentiating 'real' from 'contaminant' proteins in immunopurifications of in vivo level protein complexes. Yeast Genetics and Molecular Biology Meeting, Princeton University, Princeton, New Jersey, 25 – 30 July 2006.

**Magoulick, Daniel D.**

Trophic structure in pools subject to drying. Ecological Society of America, Memphis, Tennessee, August 2006.

Relationship of hydrologic variability and disturbance to temporal variability in fish assemblage structure. North American Benthological Society, Anchorage, Alaska, 2006.

Swimming performance of five warmwater stream fish species. Southern Division American Fisheries Society, San Antonio, Texas, 2006.

Effects of catch and release areas on movement and mortality of rainbow trout in Bull Shoals and Norfolk tailwaters. Arkansas Chapter American Fisheries Society, DeGray Lake State Park, Arkansas.

Competition among juveniles as a potential mechanism for crayfish species displacement in an Ozark river drainage. North American Benthological Society, Columbia, South Carolina, June 2007.

Efficiency of quadrat sampling for riffle-dwelling crayfish. Southern Division American Fisheries Society, Memphis, Tennessee, 2007.

Movement of rainbow trout in the catch and release areas of Arkansas tailwaters. Southern Division American Fisheries Society, Memphis, Tennessee, 2007.

Movement of rainbow trout in the catch and release areas of Arkansas tailwaters. Arkansas Chapter American Fisheries Society, Mt. View, Arkansas, 2007.

**McNabb, David**

Development of a bioluminescent gene reporter system for *Candida albicans*. SURF conference, Arkadelphia, Arkansas, 2006.

Development of a bioluminescent gene reporter system for *Candida albicans*. INBRE conference, University of Arkansas, Fayetteville, Arkansas, 3-4 November 2006.

**Pinto, Ines**

Involvement of the Hda1 deacetylase complex in centromere structure and function. Yeast Genetics and Molecular Biology Meeting, Princeton, New Jersey, 25-30 July 2006.

Histone function on chromosome segregation in *Saccharomyces cerevisiae*. Yeast Genetics and Molecular Biology Meeting, Princeton, New Jersey, 25-30 July 2006.

**Rhoads, Douglas**

Analysis of unique non-coding RNAs from the chicken reproductive tract. Plant and Animal Genome, San Diego, California, January, 2007. Cloning and analysis of the chicken DAZL (Deleted In Azoospermia-Like) promoter as a marker for primordial germ cell development. Plant and Animal Genome, San Diego, California, January, 2007.

**Sagers, Cynthia**

Biological interactions in engineered populations of canola. Botany 2007, Chicago, Illinois.

**Silberman, Jeffrey**

*Breviata anathema* (*Mastigamoeba invertens*) mitochondrial status and phylogenetic affinity as deduced from multiple gene sequences. International Society for Evolutionary Protistology, Wroclaw Poland, 1-4 August 2006.

**Smith, Kimberly G.**

Phainopeplas, mistletoe, and drought in the Mojave Desert: A deadly connection. 4<sup>th</sup> North American Ornithological Conference, Veracruz, Mexico, October 2006.

**Spiegel, Frederick**

Nuclear-encoded small subunit and internal transcribed spacer region analysis from worldwide isolates of the amoeba *Sappinia pedata*. 16th Meeting of the International Society for Evolutionary Protistology, Wroclaw, Poland, 1-5 August 2006.

Molecular phylogeny of the protostelids. 16th Meeting of the International Society for Evolutionary Protistology, Wroclaw, Poland, 1-5 August 2006.

Thermorphological and genetic diversity of *Protostelium mycophaga* (Eumycetozoa). 16th Meeting of the International Society for Evolutionary Protistology, Wroclaw, Poland, 1-5 August 2006.

Protostelid biodiversity, using biogeography to discover aspects of species richness. 16th Meeting of the International Society for Evolutionary Protistology, Wroclaw, Poland, 1-5 August 2006.

An up-to-date assessment of the place of the mycetozoa among the eukaryotes. 8<sup>th</sup> International Mycological Congress, Cairns, Australia, 21-25 August 2006.

Global distribution of the protostelids with particular emphasis on the deep Southern Hemisphere. 8<sup>th</sup> International Mycological Congress, Cairns, Australia, 21-25 August 2006.

**Stephenson, Steven**

Global patterns of myxomycete biodiversity. Mycological Society of America, August 2006.

Distribution and ecology of dictyostelids in the Great Smoky Mountains National Park. Mycological Society of America, August 2006.

### **OTHER CREATIVE ENDEAVORS**

#### **Gentry, Johnnie**

Gentry, J. L and M. Williams. 2006. Poisonous Plants of Arkansas. Arkansas Biosciences Institute. 65 pages.

Gentry, J. L., S. Nunn, and L. Urban. The Arkansas Vascular Flora Project. Final Report -- Asteraceae to Violaceae. Arkansas Natural Heritage Commission.

McElderry, R. and J. L. Gentry. Conservation Assessment of *Carex latebracteata* Waterfall (Waterfall's sedge), Cyperaceae: an endemic sedge of the Ouachita Mountains. Ouachita National Forest, U.S.Forest Service. 113 pages.

McElderry, R. and J. L. Gentry. Conservation Assessment of *Solidago ouachitensis* C.&J. Taylor (Ouachita goldenrod), Asteraceae: a rare endemic of the Ouachita Mountains. Ouachita National Forest, U.S.Forest Service. 75 pages.

#### **Magoulick, Daniel**

Magoulick, D.D. 2006. Factors affecting migration and recruitment in headwater fish assemblages of Buffalo National River. Final Report prepared for the National Park Service, Harrison, Arkansas.

### **Chemistry/Biochemistry**

### **BOOKS**

Wilkins, C.L.; Lay, Jr., J.O., Identification of Microorganisms by Mass Spectrometry. pp 352. ISBN #0-471-65442-6, John Wiley & Sons, Inc., New York, 2006.

### **CHAPTERS**

Lay Jr., J.O.; Liyange, R., "MALDI TOF Mass Spectrometry of Intact Bacteria," in Identification of Microorganisms by Mass Spectrometry (Wilkins, C.L. and Lay Jr., J.O., Eds.) pp. 125-152, Wiley, Hoboken, NJ, 2006.

Liyanage, R.; Lay, Jr., J.O., "Introduction to MALDI TOF Mass Spectrometry," in Identification of Microorganisms by Mass Spectrometry (Wilkins, C.L. and Lay Jr, J.O., Eds.) pp. 39-60, Wiley, Hoboken, NJ, 2006.

Vicic, D.A.; Jones, G.D., "Experimental Methods & Techniques: Basic Techniques," Chapter in Comprehensive Organometallic Chemistry III, Volume 1-13:From Fundamentals to Applications, Elsevier, 2006.

Wilkins, C.L.; Lay, Jr., J.O., in Chemical Analysis (Winefordner, J.D., Ed.) pp. 352, Wiley Intersciences, Hoboken, NJ, 2006.

### **REFEREED ARTICLES**

Aguilar, Z.P.; Arumugam, P.; Fritsch, I., "Study of Magnetohydrodynamic Driven Flow through LTCC Channel with Self-contained Electrodes," J. Electroanal. Chem. 2006, 591(2), 201-209.

Etienne, M.; Anderson, E.C.; Evans, S.R.; Schuhmann, W.; Fritsch, I., "Feedback-Independent Pt Nanoelectrodes for Shearforce-Based Constant-Distance Mode Scanning Electrochemical Microscopy," Anal. Chem. 2006, 78(20), 7317-7324.

Arumugam, P.U.; Fakunle, E.S.; Anderson, E.C.; Evans, S.R.; King, K.G.; Aguilar, Z.P., Carter, C.S.; Fritsch, I., "Redox Magnetohydrodynamics in a Microfluidic Channel: Characterization and Pumping," J. Electrochem. Soc. 2006, E185-E194.

Baker, J.; Pulay, P., "The Interpretation of Compliance Constants and Their Suitability for Characterizing Hydrogen Bonds and Other Weak Interactions," J. Am. Chem. Soc., 2006, 128, 11324-11325.

Berezovsky, J.; Gywat, O.; Meier, F.; Battaglia, D.; Peng, X.; Awschalom, D.D., "Initialization and Read-out of Spins in Coupled Core-shell Quantum Dots," Nature Physics, 2006, 2(12), 831-834.

Siletsky, S.A.; Han, D.; Brand, S.; Morgan, J.E.; Fabian, M.; Gerem, L.; Millett, F.; Durham, B.; Konstantinov, A.A.; Gennis, R.B., "Single-electron Photoreduction of the PM Intermediate of Cytochrome c Oxidase," Biochimica et Biophysica Acta, Bioenergetics, 2006, 1757(9-10), 1122-1132.

Dong, W.; Cogbill, A.; Zhang, T.; Ghosh, S.; Tian, Z.R., "Multifunctional, Catalytic Nanowire Membranes and the Membrane-Based 3D Devices," J. Phys. Chem. B., 2006, 110(34), 16819-16822.

Dong, W.; Shi, Z.; Ma, J.; Hou, C.; Wan, Q.; Feng, S.; Cogbill, A.; Tian, Z.R., "One-Pot Redox Syntheses of Heteronanostructures of Ag Nanoparticles on MoO<sub>3</sub> Nanofibers," J. Phys. Chem. B, 2006, 110(12), 5845-5848.

Dong, W.; Zhang, T.; McDonald, M.; Padilla, C.; Epstein J., Tian, Z.R., "Biocompatible Nanofiber Scaffolds on Metal for Controlled Release and Cell Colonization," Nanomedicine: Nanotech., Biology, & Medicine, 2006, 2(4), 248-252.

Fakunle, E.S.; Aguilar, Z.P.; Shultz, A.D.T.; Fritsch, I., "Evaluation of Screen-Printed Gold on Low-Temperature Co-Fired Ceramic as a Substrate for the Immobilization of Electrochemical Immunoassays," Langmuir, 2006, 22(25), 10844-10853.

Ford, A.; Janowski, T.; Pulay, P., "Array Files for Computational Chemistry: MP2 Energies," *J. Comp. Chem.*, 2007, 28(7) 1215-1220.

Fritsch, I.; Aguilar, Z.P., "Advantages of Downsizing Electrochemical Detection for DNA Assays," *Anal. Bioanal. Chem.*, 2006, 159-163.

Fritsch, I.; Henry, C.S.; Bowen, B.P.; Vandaveer, W.R.; Bratcher, N., "Multilayer Microcavity Devices and Methods," U.S. 2006, 34 pp., Cont.-in-part of U.S. Ser. No. 775,937, abandoned.

Etienne, M.; Dierkes, P.; Erichsen, T.; Schuhmann, W.; Fritsch, I., "Constant-distance Mode Scanning Potentiometry. High Resolution pH Measurements in Three-dimensions," *Electroanalysis*, 2007, 19(2-3), 318-323.

Gawley, R.E.; Eddings, D.B.; Santiago, M.; Vicic, D.A., "Diastereoselectivity of Polar and Radical Couplings in Electrophilic Substitutions of Rigid 2-lithio-N-methylpyrrolidines," *Org. & Biomol. Chem.* 2006, 4(23), 4285-4291.

Gawley, R.E.; Mao, H.; Haque, M.M.; Thorne, J.B.; Pharr, J.S., "Visible Fluorescence Chemosensor for Saxitoxin," *J. Org. Chem.* 2007, 72(6), 2187-2191.

Gawley, R.E.; O'Connor, S.; Klein, R., "Product Subclass 21:  $\alpha$ -lithioamines," *Science of Synthesis*, 2006, Volume Date 2005, 8a 677-757.

Kele, P.; Orbulescu, J.; Gawley, R.E., "Spectroscopic Detection of Saxitoxin: An Alternative to Mouse Bioassay," *Chem. Comm. (Cambridge, United Kingdom)*, 2006, (14)1494-1496.

Klein, R.; Gawley, R.E., "Configurational and Conformational Effects on Tin-Lithium Exchange in  $\alpha$ -Aminoorganostannanes by Rapid-Injection NMR," *J. Am. Chem. Soc.*, 2007, 129(14), 4126-4127.

Ashrafuzzaman, M.D.; Lampson, M.A.; Greathouse, D.V.; Koeppe, R.E., II, Andersen, O.S., "Manipulating Lipid Bilayer Material Properties using Biologically Active Amphipathic Molecules," *J. Physics: Condensed Matter*, 2006, 18(28), S1235-S1255.

Siegel, D.P.; Cherezov, V.; Greathouse, D.V.; Koeppe, R.E., II; Killian, J.A.; Caffrey, M., "Transmembrane Peptides Stabilize Inverted Cubic Phases in a Biphasic Length-dependent Manner: Implications for Protein-induced Membrane Fusion," *Biophys. J.*, 2006, 90(1), 200-211.

van der Wel, P.C.A.; Reed, N.D. Greathouse, D.V.; Koeppe, Roger E., II, "Orientation and Motion of Tryptophan Interfacial Anchors in Membrane-Spanning Peptides," *Biochemistry*, 2007, 46(25), 7514-7524.

Hinton, J.F., "NMR Studies of Ion-transporting Biological Channels," *Modern Magnetic Resonance*, 2006, 1, 281-284.

Jordan, J.B.; Shobana, S.; Andersen, O.S.; Hinton, J.F., "Effects of Glycine Substitutions on the Structure and Function of Gramicidin A Channels," *Biochemistry*, 2006, 45(47), 14012-14020.

Jordan, J.B.; Shobana, S.; Andersen, O.S.; Hinton, J.F., "Effects of Glycine Substitutions on the Structure and Function of Gramicidin Channels," *Biochemistry* 2006, 45, 14012.

Hutchison, J.; Lindsay, H.; Dormi, S.; Jones, G.; Vicic, D.A.; McIntosh, M.C., "Approach to the Synthesis of Cladiell-11-ene-3,6,7-triol," *Organic Lett.* 2006, 8(17), 3663-3665.

Janowski, T., Ford, A. R., Pulay, P., "Parallel Calculation of Coupled Cluster Singles and Doubles Wave Functions using Array Files," *Journal of Chemical Theory and Computation*, 2007, ACS ASAP.

Jones, G.D.; Martin, J.L.; McFarland, C.; Allen, O.R.; Hall, R.E.; Haley, A.D.; Brandon, R.J.; Kanovalova, T.; Desrochers, P.J.; Pulay, P.; Vicic, D.A., "Ligand Redox Effects in the Synthesis, Electronic Structure and Reactivity of an Alkyl-Alkyl Cross-Coupling Catalyst," *J. Am. Chem. Soc.*, 2006, 128(40), 13175-13183.

Jones, J.J.; Borgmann, S.; Wilkins, C.L.; O'Brien, R.M., "Characterizing the Phospholipid Profiles in Mammalian Tissues by MALDI FTMS," *Analy. Chem.* 2006, 78(9), 3062-3071.

Ghule, A.V.; Kathir, K.M.; Kumar, T.K.S.; Tzing, S-H.; Chang, J-Y.; Yu, C.; Ling, Y-C., "Carbon Nanotubes Prevent 2,2,2 trifluoroethanol Induced Aggregation of Protein," *Carbon*, 2007, 45(7), 1586-1589.

Bruno, M.J.; Koeppe, R.E., II, Andersen, O.S., "Docosahexaenoic Acid Alters Bilayer Elastic Properties," *Proceedings of the National Academy of Sciences of the United States of America*, 2007, 104(23), 9638-9643.

Lindholm-Sethson, B.; Geladi, P.; Koeppe, R.E., II; Jonsson, O.; Nilsson, D.; Nelson, A., "Multivariate Data Analysis for Enhanced Interpretation of Electrochemical Impedance Spectra of Gramicidin-Ion Interactions in Phospholipid Monolayers," *Langmuir*, 2007, 23(9), 5029-5032.

Anastasiadis, A.; Morton, C.J.; Talbo, G.H.; Koeppe, R.E, II, Separovic, F., "Effect of Linker Length on Avidin Binding to Biotinylated Gramicidin A," *International Journal of Peptide Research and Therapeutics*, 2006, 12(3), 243-252.

An, T.; Kumar, T.K.S.; Wang, M.; Liu, L.; Lay, Jr., J.O.; Liyanage, R.; Berry, J.; Gantar, M.; Marks, V.; Gawley, R.E.; Rein, K.S., "Structures of Pahayokolides A and B, Cyclic Peptides from a *Lyngbya* sp." *J. Natural Products*, 2007.

Graziani, I.; Bagala, C.; Duarte, M.; Soldi, R.; Kolev, V.; Tarantini, F.; Kumar, T.K.S.; Doyle, A.; Neivandt, D.; Yu, C.; Maciag, T.; Prudovsky, I., "Release of FGF1 and p40 Synaptotagmin 1 Correlates with their Membrane Destabilizing Ability," *Biochem. and Biophys. Research Comm.* 2006, 349(1), 192-199.

Jayachithra, K.; Kumar, T.K.S.; Lu, T-J.; Yu, C.; Chin, D-H., "Cold Instability of Aponeocarzinostatin and its Stabilization by Labile Chromophore. [Erratum to document cited in CA143:148568]. *Biophys. J.*, 2006, 90(2), 709.

Lay, Jr., J.O.; Liyanage, R.; Borgmann, S.; Wilkins, C.L., "Problems with the "omics,"" *TrAC, Trends in Analytical Chemistry*, 2006, 25(11), 1046-1056.

Lay, Jr., J.O.; Liyanage, R.; Clausen, E.C., "Identification and Quantification of Glycoside Flavonoids in the Energy Crop Albiza julibrissin," *Bioresource Tech.* 2006, 89(2), 429-435.

Lay, Jr., J.O.; Liyanage, R.; Durham, B.; Brooks, J., "Rapid Characterization of Edible Oils by Direct MALDI MS Analysis using Triacylglycerols," *Rapid Communications Mass Spectrometry*, 2006, 20, 952-958.

Lay, Jr., J.O.; Borgmann, S.; Liyanage, R.; Wilkins, C.L., "Problems with the Omics," *Trends in Analytical Chemistry*, 2006, 25(11), 1046-1056.

Lassiter, K.; Ojano-Dirain, C.; Iqbal, M.; Pumford, N.R.; Tinsley, N.; Lay, Jr., J.O.; Liyanage, R.; Wing, T.; Cooper, M.; Bottje, W., "Differential Expression of Mitochondrial and Extramitochondrial Proteins in Lymphocytes of Male Broilers with Low and High Feed Efficiency," *Poultry Science*, 2006, 85(12), 2251-2259.

Lau, C.S.; Carrier, D.J.; Beitle, R.R.; Bransby, D.I.; Howard, L.R.; Lay, Jr., J.O.; Liyanage, R.; Clausen, E.C., "Identification and Quantification of Glycoside Flavonoids in the Energy Crop Albizia Julibrissin," *Bioresource Technology*, 2006, 98(2), 429-435.

Mao, H.; Thorne, J.B.; Pharr, J.S.; Gawley, R.E., "Effect of Crown Ether Ring Size on Binding and Fluorescence Response to Saxitoxin in Anthracylmethyl Monoazacrown Ether Chemosensors," *Can. J. Chem.* 2006, 84(10), 1273-1279.

Moore, S.; Sears, D.W.G., "On Laboratory Simulation and the Effect of Small Temperature Oscillations About the Freezing Point and Ice Formation on the Evaporation Rate of Water on Mars," *Astrobiology*, 2006, 6(4), 644-650.

Peng, X., "University Spin-Offs: Opportunity or challenge?" *Nature Materials*, 2006, 5(12), 923-925.

Peng, X.; Chen, Y.; Jana, N.; Narayanaswamy, A., "Reactivity and Concentration in Size and Shape Control of Metal Oxide Nanocrystals in Synthesis by Reactions of Metal Fatty Acid Salt, Fatty Acid and Hydrocarbon Solvent and Pyrolysis of Product," *PCT Int. Appl.* 2006, 37 pp.

Liu, Y.; Kim, M.; Wang, Y.A.; Peng, X., "Highly Luminescent, Stable, and Water-Soluble CdSe/CdS Core-Shell Dendron Nanocrystals with Carboxylate Anchoring Groups," *Langmuir*, 2006, 22(14), 6341-6345.

Yu, W.W. Peng, X., "Formation of High-quality CdS and Other II-VI Semiconductor Nanocrystals in Noncoordinating Solvents: Tunable Reactivity of Monomers. [Erratum to document cited in CA137:239918]. *Angewandte Chemie, International Edition*, 2007, 46(15), 2559.

Pradhan, N.; Peng, X., "Efficient and Color-Tunable Mn-Doped ZnSe Nanocrystal Emitters: Control of Optical Performance via Greener Synthetic Chemistry, *J. Am. Chem. Soc.* 2007, 129(11), 3339-3347.

Pradhan, N.; Battaglia, D.M.; Liu, Y.; Peng, X., "Efficient, Stable, Small and Water-Soluble Doped ZnSe Nanocrystal Emitters as Non-Cadmium Biomedical Labels," *Nano Lett.*, 2007, 7(2), 312-317.

Pradhan, N.; Peng, X., "Doped Semiconductor Nanocrystals and Methods of Making Same," *PCT Int. Appl* 2006, 51 pp.

Narayanaswamy, A.; Xu, H.; Pradhan, N.; Kim, M.; Peng, X., "Formation of Nearly Monodisperse In<sub>2</sub>O<sub>3</sub> Nanodots and Oriented-Attached Nanoflowers: Hydrolysis and Alcoholysis vs Pyrolysis," *J. Am. Chem. Soc.*, 2006, 128(31), 10310-10319.

Narayanaswamy, A.; Xu, H.; Pradhan, N.; Peng, X., "Crystalline Nanoflowers with Different chemical Compositions and Physical Properties Grown by limited Ligand Protection," *Angewandte Chemie, International Edition*, 2006, 45(32), 5361-5364.

Barnard, A.S.; Xu, H.; Li, X.; Pradhan, N.; Peng, X., "Modeling the Formation of High Aspect CdSe Quantum Wires: Axial-growth Versus Oriented-attachment Mechanisms," *Nanotechnology*, 2006, 17, 5707-5714.

Fedorov, D.G.; Ishimura, K.; Ishida, T.; Kitaura, K.; Pulay, P.; Nagase, S., "Accuracy of the Three-body Fragment Molecular Orbital Method Applied to Moller-Plesset Perturbation Theory," *Journal of Computational Chemistry*, 2007, 28(9), 1476-1484.

Rajagukguk, S.; Yang, S.; Yu, C-A.; Yu, L.; Durham, B.; Millett, F., "Effect of Mutations in the Cytochrome b<sub>ef</sub> Loop on the Electron-Transfer Reactions of the Rieske Iron-Sulfur Protein in the Cytochrome bc<sub>1</sub> Complex," *Biochemistry*, 2006, 46(7), 1791-1798.

Raney, K.D. Cameron, C.E.; Dave, B.; Sakon, J.; Lu, J.Z.; Mackintosh, S.G.; Jennings, T.A., "Dominant-negative Mutant NS3 for Inhibiting Hepatitis C Virus Replication," *U.S. Pat. Appl. Puls.* 2006, 70pp.

Lu, J.Z., Fujiwara, T.; Komatsuzawa, H.; Sugai, M.; Sakon, J., "Cell Wall-targeting Domain of Glycylglycine Endopeptidase Distinguishes among Peptidoglycan Cross-Bridges," *J. Biol. Chem.*, 2006, 281(1), 549-558.

Schäfer, L., "Quantum Reality, the Emergence of Complex Order from Virtual States, and the Importance of Consciousness in the Universe," *Zygon (Chicago)*, 2006, 41(3), 505-532.

Schäfer, L., "A Response to Ervin Laszlo: Quantum and Consciousness," *Zygon* (Chicago), 2006, 41(3), 573-582.

Schäfer, L., "A Response to Carl Helrich: The Limitations and Promise of Quantum Theory," *Zygon* (Chicago), 2006, 41(3), 583-592.

Schäfer, L., "Response to Stanley Klein: Quantum Mechanics, Evolution, and Morality," *Zygon* (Chicago), 2006, 41(3), 593-598.

Schouteeten, S.; Allen, O.R.; Haley, A.D.; Ong, G.L., Jones, G.D.; Vivic, D.A., "A Robust Dimethylgold(III) Complex Stabilized by a 2-Pyridyl-2-pyrrolide Ligand," *J. Organomet. Chem.* 2006, 691(23), 4975-4981.

Sivaraja, V.; Kumar, T.K.S.; Rajalingam, D.; Graziani, I.; Prudovsky, I.; Yu, C., "Copper Binding Affinity of S100A13, a Key Component of the FGF-1 Nonclassical Copper-Dependent Release Complex," *Biophys. J.*, 2006, 91(5), 1832-1843.

Stites, W.E.; Froude, J.W., "Does the Oxidation of Methionine in Thrombomodulin Contribute to the Hypercoagulable State of Smokers and Diabetics?" *Medical Hypotheses*, 2007, 68(4), 811-821.

Byrne, M.P.; Stites, W.E., "Thermal Denaturations of Staphylococcal Nuclease Wild-Type and Mutants Monitored by Fluorescence and Circular Dichroism are Similar: Lack of Evidence for Other Than a Two State Thermal Denaturation," *Biophys. Chem.* 2007, 125(2-3), 490-496.

Karp, D.A.; Gittis, A.G.; Stahley, M.R.; Fitch, C.A.; Stites, W.E.; Bertrand, G-M.E., "High Apparent Dielectric Constant inside a Protein Reflects Structural Reorganization Coupled to the Ionization of an Internal Asp," *Biophys. J.*, 2007, 92(6), 2041-2053.

Qiu, W.; Kao, Y-T.; Zhang, L.; Yang, Y.; Wang, L.J.; Stites, W.E.; Zhong, D.; Zewail, A.H., "Protein Surface Hydration Mapped by Site-specific Mutations," *Proceedings of the National Academy of Sciences of the United States of America*, 2006, 103(8), 13979-13984.

Thessing, J.; Qiah, J.; Chen, H.; Pradhan, N.; Peng, X., "Interparticle Influence of Size/Size Distribution Evolution of Nanocrystals," *J. Am. Chem. Soc.*, 2007, 129(10), 2736-2737.

Mao, H.; Thorne, J.B.; Pharr, J.S.; Gawley, R.E., "Effect of Crown Ether Ring Size on Binding and Fluorescence Response to Saxitoxin in Anthracylmethyl Monoaza Crown Ether Chemosensors," *Can. J. Chem.*, 2006, 84(10), 1273-1279.

Konar, S.; Tian, Z.R., "Solid-State Transformation from Self-Assembled Nanosheets in to Ordered Nanorods," *J. Phys. Chem. B.* 2006, 110(9), 4054-4057.

Sounart, T.L.; Liu, J.; Voight, J.A.; Hsu, J.W.; Spoerke, E.D.; Tian, Z.R.; Jiang, Y.B., "Sequential Nucleation and Growth of Complex Nanostructured Films," *Adv. Funct. Mater.* (Feature Article), 2006.

Wright, A.; Gabaldon, J.; Burekel, J.; Bruce, D.; Jiang, Y-B.; Tian, Z.R.; Liu, J.; Brinker, C.J.; Fan, H., "Hierarchically Organized Nanoparticle Mesostructure Arrays Formed through Hydrothermal Self-Assembly," *Chem. Mater.*, 2006, 18(13), 3034-3048.

Zhao, F.; Lin, W.; Wu, M.; Xu, N.; Yang, X.; Tian, Z.R.; Su, Q., "Hexagonal and Prismatic Nanowalled ZnO Microboxes," *Inorg. Chem.* 2006, 45(8), 3256-3260.

Tyree, W.S.; Vivic, D.A., Piccoli, P.M.B.; Schultz, A.J., "Structural Factors Influencing Linear M-H-M Bonding in Bis(dialkylphosphino)methane Complexes of Nickel," *Inorg. Chem.* 2006, 45, 8853-8855.

Desrochers, P.J.; Telser, J.; Zvyagin, S.A.; Ozarowski, A.; Krzystek, J.; Vivic, D.A., "Electronic Structure of Four-coordinate, C<sub>3v</sub> Nickell(II) 'Scorpionate' Complexes: Investigation by High-Frequency and -Field Electron Paramagnetic Resonance and Electronic Absorption Spectroscopies," *Inorg. Chem.* 2006, 45, 8930-8941.

McFarland, C.; Vivic, D.A.; Debnath, A.K., "Rapid Microwave-assisted Syntheses of Derivatives of HIV-1 Entry Inhibitors," *Synthesis*, 2006, (5), 807-812.

Weston, M.C.; Anderson, E.C.; Arumugam, P.U.; Yoga Narasimhan, P.; Fritsch, I., "Redox Magnetohydrodynamic Enhancement of Stripping Voltammetry: Toward Portable Analysis Using Disposable Electrodes, Permanent Magnets, and Small Volumes," *Analyst*, 2006, 131, 1322-1331.

Wilkins, C.L., "Impressive Developments in Mass Spectrometry," *TrAC, Trends in Analytical Chemistry*, 2007, 26(1), 65-67.

Wilkins, C.L., review of "Mass Spectrometry in Biophysics: Conformation and Dynamics of Biomolecules by Igor A. Kaltashov and Stephen J. Eyles," *TrAC, Trends in Analytical Chemistry*, 2006, 25(1), I-II.

Pretsch, E.; Wilkins, C.L., "Use and Abuse of Chemometrics," *TrAC, Trends in Analytical Chemistry*, 2006, 25(11), 1045.

Zhang, T.; Dong, W.; Kasbohm, J.; Varadan, V.K.; Tian, Z.R., "Design and Hierarchical Synthesis of Branched Heteromicrostructures," *Smart Mater. Struct.*, 2006, 15, N46-N50.

Zhang, T.; Dong, W.; Keeter-Brewer, M.; Konar, S.; Njabon, R.N.; Tian, Z.R., "Site-Specific Nucleation and Growth Kinetics in Hierarchical Nanosyntheses of Branched ZnO Crystallites," *J. Am. Chem. Soc.* 2006, 128(33), 10960-10968.

Zhang, T.; Dong, W.; Keeter-Brewer, M.; Sanjit, K. Njabon, R.N.; Tian, Z.R., "Site-Specific Nucleation and Growth Kinetics in Hierarchical Nanosyntheses of Branched ZnO Crystallites," *J. Am. Chem. Soc.*, 2006, 128(33), 10960-10968.

Zhang, T.; Dong, W.; Kasbohm, J.; Varadan, V.K.; Tian, Z.R., “Design and Hierarchical Synthesis of Branched Heteromicrostructures,” *Smart Mater. Struct.*, 2006, 15, N46-N50.

Abraham, J.K.; Dubaka, S., Varadan, V.K.; Zhou, H.; Zhang, T.; Tian, Z.R., “Piezoelectric 3D Nanostructures for Developing Point-of-care Biosensors,” *Proceedings of SPIE-The International Society for Optical Engineering*, 2007, 6528 (Nanosensors, Microsensors, and Biosensors and Systems 2007).

### **UNREFEREED PUBLICATIONS AND PROCEEDINGS**

Davis, Danny J.: On-Line Quiz Supplement to accompany new text (“Biochemistry” by Berg, Tymoczko, and Stryer) for Freeman Publishers, 2006 (available online at [www.whfreeman.com/biochem5](http://www.whfreeman.com/biochem5)).

Greathouse, Denise: “Structure and Function of Membrane-active Peptides/Proteins,” New Graduate Student Presentation, October 2006.

Greathouse, Denise: “The Structure and Function of Membrane Proteins,” Chemistry Dept., Arkansas Tech., Russellville, AR, October 2006.

Greathouse, Denise: “WebCT 101: The Basics,” Teaching Academy, Eureka Springs, AR, July 2006.

Hoyett, Zakiya J.; Geren, L.; Davis, M.; Millett, F., “Production and Study of Amino Acid Mutations at the Cytochrome C. Binding Site,” REU Poster Presentation, University of Arkansas, Fayetteville, AR, July, 2006.

Schäfer, L., “Die Quantenwirklichkeit: Manifestation eines kosmischen Bewußtseins und Grundlage für ein neues Bild vom Ursprung des Lebens.: Ed. F. Vogelsang; Ev. Akad. Rheinland, 2006, pp. 245-252.

Tian, Z.R., “TiO<sub>2</sub>-Based Nanowire Technology,” Milliken & Co., Spartanburg, SC, Oct. 13, 2006.

Tian, Z.R., “New Interfacial, Chemical Controls in Bottom-Up Nanofabrication,” EE Department, OK State University, Stillwater, OK, Dec. 18, 2006.

Tian, Z.R., “New Interfacial, Chemical Controls in Bottom-Up Nanofabrication,” Physics Department, University of Arkansas, Fayetteville, AR, Nov. 17, 2006.

Tian, Z.R., “Ceramic Nanowires,” Department of Crop, Soil, and Environmental Sciences (Dr. Mary Warnock’s class), University of Arkansas, Fayetteville, AR, Oct. 25, 2006.

Tian, Z.R., “Multifunctional, Inexpensive Ceramic Nanostructures,” Bridgestone R&T Center, January 9, 2007.

Vicic, D.A., "Making Carbon-Carbon Bonds with Transition Metals," Sigma Xi, University of Arkansas, Fayetteville, AR, January 26, 2007.

Vicic, D.A., "Organometallic Aspects of Alkyl-Alkyl Cross-Coupling Reactions," University of Southern Mississippi, March 9, 2007.

## **Communication**

### **BOOKS**

Scheide, F. M. & Mehran, H., Eds. (2006). *Chaplin's Limelight and the Music Hall Tradition*, Jefferson, North Carolina: McFarland & Company.

### **BOOK CHAPTERS**

Armstrong, D., Reid, M., Riemenschneider, C., & Allen, M. W. (2007). Managing IT employee retention: Challenges for state government. In G. D. Garson (Ed.), *Modern public management information systems* (pp. 221-238). Hershey: New York.

Jun, S. & Chung, D. (2006). Diffusion of innovation in the information society. In S. Jun (Ed.), *Information Society and New Media*. Seoul: Shinkwang (Korean)

Scheide, Frank M. (2006). The Identity of 19th and Early 20th Century Music Hall, Limelight, and the Tragedy of the Rejected Performer. In F. M. Scheide and H. Mehran (eds.), *Chaplin's Limelight and the Music-Hall Tradition* (111-120). Jefferson, North Carolina: McFarland.

Wicks, Robert. H. (2006). Media Information Processing. In J. Bryant and P. Vorderer (Eds.), *Psychology of Entertainment* (85-102). Mahwah, NJ: Lawrence Erlbaum Associates.

Yu, H. & Chung, D. (2006). The functions and effects of mass media. In H. Yu (Ed.), *Information Society and Mass Communication*. Seoul: (Korean)

### **JOURNAL ARTICLES**

Allen, M. W., Armstrong, D. J., Riemenschneider, C. K., & Reid, M. F. (2006). Making sense of the barriers women face in the information technology work force: Standpoint theory, self-disclosure, and causal maps. *Sex Roles: A Journal of Research*, 54, 831-844.

Allen, M. W., Edwards, R., Hayhoe, C., & Leach, L. (2007). Imagined interactions, family money management patterns and coalitions, and attitudes toward money and credit. *Journal of Family and Economic Issues*, 28, 3-22.

Armstrong, D. J., Riemenschneider, C. K., Allen, M. W., & Reid, M. F. (2007). Voluntary turnover and women in IT: A cognitive study of work-family conflict. *Information and Management*, 44, 2, 142-153.

Bochner, A. A. & Frenzt, T. S. (2006). Culture Bearing and Sense Making: Introduction to the Life and Scholarship of Janice Hocker Rushing, *Southern Communication Journal*, 71, 115-125.

Chung, D. (2006). An analysis of the variables predicting instant messenger use. *New Media & Society*, 8 (1).

Chung, D. (2006). Communication research and ethical issues. *Korean Journal of Journalism and Communication Studies*, 50(3).

Chung, D., Yu, H., & Woo, H. (2006). Exploratory research in Satellite Digital Multimedia Broadcasting use: Users' characteristics, motives and intention. *Studies of Broadcasting Culture*, 18(1).

Frenzt, T. S. (2006). Ashes of Love, *Southern Communication Journal*, 71, 195-203.

Frenzt, T. S. (2006). Memory, Myth, and Rhetoric in Plato's Phaedrus, *Rhetoric Society Quarterly*, 36, 243-262.

Riemenschneider, C., Allen, M. W., Reid, M., & Armstrong, D. (2006). The effects of mentoring to reduce stress in a state IT department during times of transformational change. *International Journal of Learning and Change*, 1, 4,

Smith, L. (2006). Mr. Madison for the Defense: The United States Supreme Court's Use of James Madison's Arguments in First Amendment Jurisprudence, *Communication Law Review*, 6, 1-27.

Verser, R., & Wicks, R. H. (2006). Managing Voter Impressions: The Use of Images on Presidential Candidate Websites during the 2000 Campaign. *Journal of Communication*, 56 (1), pp. 178-197.

### **OTHER PUBLICATIONS**

Frenzt, T. S. and Hocker, J. L. (2006) "Foreword," in Janice Hocker Rushing, *Erotic Mentoring: Women's Transformations in the University*, Walnut Creek, CA: Left Coast Press, ix-xiv.

Riemenschneider, C. K., Armstrong, D. J., Allen, M. W., & Reid, M. F. (2006). Challenges and barriers facing women in the IT workforce. *The DATA BASE for Advances in Information Systems*, 37, 4, 58-78.

Scheide, F. M. (2006). "Abel Gance: Yesterday and Tomorrow" In Ian Aitken (Ed.), *Encyclopedia of the Documentary Film*, New York & London: Routledge, 1-2.

Scheide, F. M. (2006). "Frank Capra." In Ian Aitken (Ed.), *Encyclopedia of the Documentary Film*, New York & London: Routledge, 184-186.

Scheide, F. M. (2006) Catalog of the Chaplin Out-Takes Collection. London: the British Film Institute, bfi Film and TV database, <http://chaplin.bfi.org.uk/resources/bfi/out-takes.html>.

Warren, R. (2006). Adult mediation, strategies. In J.J. Arnett (Ed.), *Encyclopedia of Children, Adolescents, and the Media*. Thousand Oaks, CA: Sage.

Warren, R. (2006). Electronic media, children's use. In J.J. Arnett (Ed.), *Encyclopedia of Children, Adolescents, and the Media*. Thousand Oaks, CA: Sage.

Warren, R. (2006). Movies, rating system. In J.J. Arnett (Ed.), *Encyclopedia of Children, Adolescents, and the Media*. Thousand Oaks, CA: Sage.

Warren, R. (2006). Parental Advisory Labels and Rating Systems. In J.J. Arnett (Ed.), *Encyclopedia of Children, Adolescents, and the Media*. Thousand Oaks, CA: Sage.

Warren, R. (2006). Parenting styles. In J.J. Arnett (Ed.), *Encyclopedia of Children, Adolescents, and the Media*. Thousand Oaks, CA: Sage.

Warren, R. (2006). Ratings system, parental uses. In J.J. Arnett (Ed.), *Encyclopedia of Children, Adolescents, and the Media*. Thousand Oaks, CA: Sage.

Warren, R. (2006). Research methods, ethnography. In J.J. Arnett (Ed.), *Encyclopedia of Children, Adolescents, and the Media*. Thousand Oaks, CA: Sage.

### **CONVENTION AND CONFERENCE PRESENTATIONS**

Chung, D., Yu, H., Woo, H. & Sung, D. (2006). TV here, there, everywhere: Digital Multimedia Broadcasting Use. Paper presented at the 89th annual convention of the AEJMC, August 2-5, 2006, San Francisco, California.

Chung, D., Yu, H., & Woo, H. (2006). Exploring predictors in Digital Multimedia Broadcasting use. Paper presented at the 51st annual convention of the Broadcast Education Association, Las Vegas, Nevada.

Chung, D., Woo, H., Yu, H., & Song, J. (2006). Digital Multimedia Broadcasting (DMB): DMB innovators and their media use. Paper presented at the 51st annual convention of the Broadcast Education Association, Las Vegas, Nevada.

Coopman, S., Allen, M. W., & Hart, J. L. (2006). Workplace surveillance and managing privacy boundaries. Paper presented at the annual meeting of the National Communication Association, San Antonio, TX.

Drain, A. R., Castleberry, B., & Amason, P. How is your romantic relationship really going? Dating relationships, jealousy, relational uncertainty, nonverbal cues, affection, relational maintenance and dependence power. Paper presented at the annual convention of the Southern States Communication Association, Louisville. (Top Three Paper Interpersonal Division).

Frentz, T. (2006). To pazuzu with love. Paper presented at the annual meeting of the National Communication Association, San Antonio, TX.

Frentz, T. (2006). A rejection for all seasons. Paper presented at the annual meeting of the National Communication Association, San Antonio, TX.

Frentz, T. (2006). Mothers, fathers, and son: Oedipal complexities in Fight Club. Paper presented at the annual meeting of the National Communication Association, San Antonio, TX.

Goen, T. L., Webb, L. M., Amason, P., & Wicks, R. H. (2006). Perceptions of normal family communication in the U.S.: A preliminary assessment among young adults. Paper presented at the annual convention of the Southern States Communication Association, Dallas. (Top Four Paper, Interpersonal Communication Division).

Meade, L. (2006). Orbiting planet Taylor: A mother's experience parenting a child with attention deficit disorder. Paper presented at the National Communication Association, San Antonio, Texas. (Top Paper Panel Ethnography Division).

Nam, C., & Chung, D. (2006). The influences of haptic thermal feedback on object identification and perceived presence. Paper presented at the 16th World Congress on Ergonomics, Maastricht, the Netherlands.

Nam, C., Shafieloo, I., Chung, D., Smith, P. & Borsodi, L. (2006). Toward Development and Evaluation of Multimodal User Interfaces for Virtual Environments. Conference on Human Factors in Computing Systems., Montreal, Canada.

Norwood, K., & Webb, L. M. (2006). How mothers influence their adult sons' marital satisfaction through communication with daughters-in-law: Survey findings from eight states. Paper presented at the annual convention of the International Communication Association, Desden, Germany.

Norwood, K. M., & Webb, L. M. (2007). Conflict between Young Women in Initial Interactions: An Exploratory Study. Paper presented at the annual convention of the International Communication Association, San Francisco, CA.

Norwood, K. M., Warford, E. M., & Webb, L. M. (2007). Young adult's perceptions of feminists in the 21st Century: Phase one. Paper presented at the annual convention of the Southern States Communication Association, Louisville, KY. (awarded "Top Paper" in the Gender Studies division).

Norwood, K. M., Webb, L. M., Amason, P., & Bailey, D. L. (2007). Conflict between young women in initial interactions: An exploratory study. Paper presented at the annual convention of the International Communication Association, San Francisco.

Reid, M. F., Riemenschneider, C., Allen, M. W., & Armstrong, D. (2006). Affective organizational commitment in state government: A case of IT employees. Paper presented at the annual meeting of the 2006 SIGMIS Computer Personnel Research Conference, Claremont, CA.

Sanders, W. S. & Amason, P. (2006). The breadth and depth of computer-mediated self-disclosure in pre-existing and primarily face-to-face relationships. Paper presented at the annual convention of the National Communication Association, San Antonio.

Scheide, F. M. (2006). Jerry Epstein: Collaborator & Confidante of "The King" in California and in Exile. Paper presented at the " Festival IL Cinema Ritrovato: XXXIV Cineteca Del Comune Di Bologna, Bologna, Italy.

Scheide, F. M. (2006). Charlie Chaplin's Music Hall as a Primary Influence on his Cinematic Performance. Paper presented at the Chaplin Kono Conference, Kyoto, Japan.

Smith, C. L. & Amason, P. The patient-physician relationship: Perceptions of physicians and college-aged patients. Paper presented at the annual convention of the Southern States Communication Association, Louisville. (awarded Top Three" Paper in the Applied Communication Division).

Smith, S. A. (2006). Communication Assumptions and Freedom of Expression in the Inter-American Declarations of Rights, Paper presented at the ACA-ICA Communication Congress of the Americas, Lima, Peru.

Smith, S. A. (2006). Aborting Anonymith: Collateral Damage to Online Communication. Paper presented at the annual convention of the National Communication Association, San Antonio.

Thompson-Hayes, M., Gibson, D. M., Scott, A. T., & Webb, L. M. (2006) Professorial collaborations via CMC: Interactional dialectics. Paper presented at the annual convention of the National Communication Association, San Antonio.

Thompson-Hayes, M., Gibson, D. M., Scott, A. T., & Webb, L. M. (2007). Family values: Keeping the publication connection via CMC. Paper presented at the annual convention of the Southern States Communication Association, Dallas.

Warford, E. M., & Webb, L. M. (2006). The influence of relational proximity and biological sex on the determinants of communicative responses to jealousy in romantic relationships: Comparing and contrasting patterns of association. Paper presented at the annual convention of the International Communication Association, Desden, Germany.

Warren, R., Wicks, J., Wicks, R. H., Fosu, I, Chung, D. (2007). Food and Beverage Advertising on US Television: A Comparison of Child-Targeted versus General Audience Commercials. Paper presented at the annual convention of the International Communication Association (San Francisco, CA).

Warren, R., Wicks, R. H., Wicks, J., Fosu, I. (2007, May). Food and Beverage Advertising to Children on US Television: Did National Food Advertisers Respond? Paper presented at the annual convention of the International Communication Association (San Francisco, CA).

Webb, L. M. (2007). Facilitating theory development with novice researchers: Offering qualitative methods as a gentle first test. Paper presented at the annual convention of the Southern States Communication Association, Louisville, KY.

Webb, L. M. (2007). Spotlight on SSCA - The how's and why's of professional service. Paper presented at the annual convention of the Southern States Communication Association, Louisville, KY.

Webb, L. M. (2007). Using the Socratic method to build community in the undergraduate communication theory class. Paper presented at the annual convention of the Southern States Communication Association, Louisville, KY.

Wicks, R. H. (2006). Seeing is perceiving: The impact of message structure on televised presidential debates. Paper presented at the annual meeting of the Association for Education in Journalism and Mass Communication, San Francisco, CA.

## **Drama**

### **REFEREED ARTICLES and PRESENTATIONS**

Gross, Roger – “The Verse Line: How and Why to Master It”, The Voice and Speech Review, 2007.

Landman, Michael – “Tackling Tech for Actors Turned Directors”, Association for Theatre in Higher Education, Chicago, August, 2006.

Landman, Michael – “The Rehearsal Process: Using Non-Traditional Methods to Achieve Non-Traditional Performances”, Association for Theatre in Higher Education, Chicago, August, 2006.

Riha, Michael – “Communicating History and Period in Elevations”, Projects for Teaching Scene Design: A Compendium, Karel Blakeley, editor. USITT Publications, August, 2006.

Riha, Michael – “Rendering Lighting Visualizations”, Projects for Teaching Scene Design: A Compendium, Karel Blakeley, editor. USITT Publications, August, 2006.

## **English**

### **BOOKS**

BOOKER, M. KEITH. From Box Office to Ballot Box: The American Political Film. Westport, CT: Praeger, 2007.

Alternate Americas: Science Fiction Film and American Culture. Westport, CT: Praeger, 2006.

Drawn to Television: Prime-Time Animated Series from the Flintstones to Family Guy.  
Westport, CT: Praeger, 2006

BROCK, GEOFFREY. Skylark Farms (novel) by Antonio Arslan (translated by Geoffrey Brock). New York: Alfred A. Knopf, 2006.

The Zürau Aphorisms, by Franz Kafka and Roberto Calasso (translated by Michael Hofmann and Geoffrey Brock). New York: Schocken Books, 2006.

KAHF, MOHJA. The Girl in a Tangerine Scarf. Carroll and Graf. October 2006. 440 pp.

STEPHENS, DOROTHY. Ed. and Introduction. The Faerie Queene, Books 3 and 4  
Cambridge, MA: Hackett Publishing, 2006. 511 pp.

## **CHAPTERS**

BOOKER, M. KEITH. "Thomas Mofolo's Chaka" The Novel, Vol. I: History, Geography, and Culture. Ed. Franco Moretti. Princeton, NJ: Princeton University Press, 2006, 786-93.

"The Reds and the Blacks: The Historical Novel in the Soviet Union and Postcolonial Africa." Cold War Literature: Writing the Global Conflict. Ed. Andrew Hammond. New York: Routledge, 2006, 78-99. Co-authored with Dubravka Juraga.

**BRINKMEYER, ROBERT**. "The War on the Home Front: James Agee and the Making of Let Us Now Praise Famous Men." Poverty and Progress in the U.S. South since 1920. Ed. Suzanne W. Jones and Mark Newman. Amsterdam: VU University Press, 2006, 49-58.

"Marginalization and Mobility: Segregation and the Representation of Southern Poor Whites." Reading Southern Poverty Between the Wars 1918-1939. Ed. Martin Crawford and Richard Godden. Athens: University of Georgia Press, 2006, 223-37.

"Katherine Anne Porter's Ship of Fools: From Novel to Film." Twentieth-Century American Fiction on Screen. Ed. Barton Palmer. Cambridge: Cambridge University Press, 2006, 68-81.

**JOLLIFFE, DAVID**. "Advanced Placement, Not Advanced Exemption: Challenges for High Schools, Colleges, and Universities." Delivering College Composition: The Fifth Canon. Ed. Kathleen Blake Yancey. Portsmouth, NH: Boynton/Cook, 2006, 89-103.

**KAHF, MOHJA**. "From Her Royal Body the Robe Was Removed: The Blessings of the Veil and the Trauma of Forced Unveiling in the Middle East." In Jennifer Heath's The Veil: Its History, Politics, and Lore. University of California Press. Berkeley, April 2007.

“Writing on Muslim Gender Issues in the West Today: Slipping Past the Pity Committee and Dodging Defensive Brigades.”: In Rabab Abdul-Hadi, et. al., ed., Arab American Feminisms University of Michigan Press, 2007.

“Meowr.” Poem published in Lorraine Chittock and Annemarie Schimmel’s Cairo Cats: Egypt’s Enduring Legacy. American University of Cairo Press, 2006, p. 89.

The Turkish translation of Kahf’s book. Western Representation of the Muslim Woman (U Texas. 1999) came out in 2006, with Kure Publications,. Ankara, Turkey.

Translation of Nizar Kabbani poem, “Poetic Communiqué #1” in Nathalie Handal, ed., Contemporary Voices from the East: An Anthology of Poems, W.W. Norton & Co., 2007.

**QUINN, WILLIAM.** “Chaucer’s Short Poems: Sources and Contexts.” Chapter 1 in Angela Jane Weisl and Tison Pugh, eds., MLA Approaches to Teaching Troilus and Criseyde and the Shorter Poems. Modern Language Association, 2005.

“Chaucer’s Short Poems: Interpretations for Teaching.” Chapter 11 in Angela Jane Weisl and Tison Pugh, eds. MLA Approaches to Teaching Troilus Criseyde and the Shorter Poems. Modern Language Association, 2005.

## **REFEREED SCHOLARLY AND CREATIVE PUBLICATIONS**

**BERNHARD JACKSON, EMILY.** “The Harold of a New Age: Canonical Knowledge and the Beginning of Byronic Knowing.” Romanticism on the Net 43 (August 2006). <http://www.erudit.org/revue/ron/2006/v/n43/01359ar.html>.

Introduction. The Broadview Anthology of British Literature: Romanticism to Revolution. Orchard Park: Broadview Press, 2006. 33-61.

**BRINKMEYER, ROBERT.** “Taking it to the Streets: Flannery O’Connor, Prophecy, and the Civil Rights Movement.” Flannery O’Connor Review 4 (2006), 99-109.

Book Review: The Kingdom in Fiction: Huey P. Long and the Modern American Novel by Keith Perry. The Space Between: Literature and Culture, 1914-1945 I (2005), 136-38. (Despite publication date of 2005, the journal was published in 2006.)

**BROCK, GEOFFREY.** “Charles Graner Is Not American” and “Flesh of John Brown’s Flesh: Dec. 2, 1859” (two poems) Subtropics Spring 2006.

“An Opening” and “Starbucker Starbucker Starbucker Star” Poetry (vol. 188, no. 4). Chicago: Modern Poetry Association, July/August 2006.

“In the Fog” by Giovanni Pascoli. Translated by Geoffrey Brock. Poetry (vol. 188, no. 1). Chicago: Modern Poetry Association, April 2006.

“Totò Merúmeni” by Guido Gozzano and “The Dappled Gray Mare” by Giovanni Pascoli. Translated by Geoffrey Brock. Italian Translation Review (vol. 1, no. 1). New York: Brooklyn College of CUNY, Spring 2006.

“Translator’s Note,” Poetry (vol. 187, no. 7). Chicago: Modern Poetry Association, April 2006.

“Collaborating with God.” Southwest Review Online. Internet: [www.southeastreview.org](http://www.southeastreview.org), 2006.

Introduction to “Totó Merúmeni” in Two Lines: a Journal of Translation. San Francisco: Center for Art in Translation, 2006.

Introduction to two poems (“The Loveliest” by Guido Gozzano and “The Dapple Gray Mare” by Giovanni Pascoli) in Italian Translation Review (vol. 1, no. 1). New York: Brooklyn College of CUNY, Spring 2006.

**BURRIS, SIDNEY.** “Triptych: The Prince, the Monk, and the Skylark.” The Southern Review 91.4 (2006): 568-81.

**COCHRAN, ROBERT.** “Arts, Culture, Entertainment,” Encyclopedia of Arkansas, 2006: <http://encyclopediaofarkansas.net/encyclopedia/entry-details.aspx?entryID=386>

“Emma Dusenbury,” Encyclopedia of Arkansas, 2006: <http://encyclopediaofarkansas.net/encyclopedia/entry-detail.aspx?entryID=1634>

“Sony Liston,” Encyclopedia of Arkansas, 2006: <http://encyclopediaofarkansas.net/encyclopedia/entry-detail.aspx?entryID=2569>

“Patsy Montana,” Encyclopedia of Arkansas, 2006. <http://encyclopediaofarkansas.net/encyclopedia/entry-detail.aspx?entryID=1718>

“Vance Randolph,” Encyclopedia of Arkansas, 2006. <http://encyclopediaofarkansas.net/encyclopedia/entry-detail.aspx?entryID=2265>

“Charlie Rich,” Encyclopedia of Arkansas, 2006. <http://encyclopediaofarkansas.net/encyclopedia/entry-detail.aspx?entryID=2519>

“Rock Island Line,” Encyclopedia of Arkansas, 2006. <http://encyclopediaofarkansas.net/encyclopedia/entry-detail.aspx?entryID=2570>

“Sonny Boy Williamson,” Encyclopedia of Arkansas, 2006. <http://encyclopediaofarkansas.net/encyclopedia/entry-detail.aspx?entryID=1798>

“The Williwaw War,” Encyclopedia of Arkansas, 2006. <http://encyclopediaofarkansas.net/encyclopedia/entry-detail.aspx?entryID=3158>

“Long On Nerve: An Interview With Ronnie Hawkins,” Arkansas Historical Quarterly, LXV (2006), pp. 99-115.

Review of Mike Disfarmer, Disfarmer: The Vintage Prints. Arkansas Historical Quarterly, LXV (2006), pp. 449-452.

**COHEN, DEBRA RAE.** “Culture and the ‘Cathedral’: Tourism as Potlatch in One of Ours.” Cather Studies 6: History, Memory, and War. Edited by Steven Trout. University of Nebraska, 2006.

“Modernist Authenticities.” Guest edited cluster of essays, with introduction (with Kevin J. H. Dettmar). Modernism/Modernity. Fall 2006.

Review of Boys in Khaki, Girls in Print by Jane Potter. Clio. Spring 2007. Review of Is Rock Dead? By Kevin Dettmar. Journal of Popular Music Studies. 2007.

Review of Kristin Bluemel’s George Orwell and the Radical Eccentrics. In Between: Essays & Studies in Literary Criticism, Vol. 12 No. 1.

“Sheepish Modernism: Rebecca West, The Adam Brothers, and the Taxonomies of Criticism”: Rebecca West Today: Contemporary Critical Approaches. Edited by Bernard Schweizer. University of Delaware Press, 2006

**DUVAL, JOHN.** “Carolyn Wright.” The Encyclopedia of Arkansas. Online.

“John Ciardi in the Seventh Circle of Hell.” International Journal of the Humanities, Volume 3, Issue 5 (summer 2006), pp. 62-67. Online.

Ten sonnets translated from Giorgio Roberti’s A Stick in the Eye (with Louise Rozier), Journal of Italian Translation I, (spring), 117-125. (The Journal of Italian Translation contributions are part of the inaugural issue, made up mainly of contributions from the Editorial Board.)

“Translating by the Numbers.” Journal of Italian Translation. I, 1 (spring), 43-49.

Translation of Giorio Roberti’s ‘na zeppa al’occhio “Sonnets VIII-XVII from A Stick in the Eye” (with Louise Rozier). Metamorphoses, XIV, 1-2 (spring-fall, 2006, but did not actually come out until February 2007) pp. 128-139.

**GILCHRIST, ELLEN.** Published an article on Fayetteville in the November issue of The Smithsonian Magazine.

**GILES, MOLLY.** “Five Minutes of Madness.” West, L.A. Times. December 3, 2006.

“Assumption.” The Southern Review, Vol. 41:3, Summer 2006.

“With a Frond Like This Who Needs Anemones.” Rules of Thumb, Writer’s Digest Books, 2006.

Article on Donald Harington. The Oxford American, Issue 55.

**HEFFERNAN, MICHAEL.** “And Puffy Little White Clouds Everywhere.” The Southern Review. 42:3 (Summer 2006): 518.

“Lovestruck” The Southern Review. 42:3 (Summer 2006): 519.

“At the Bureau of Divine Music.” Poetry 188:5 (September 2006): 400-01.

“Legends of Old Castile.” Poetry 188:5 (September 2006): 402.

“Cattle Seeking Shade.” Poetry 188:5 (September 2006): 403.

“Campanile.” Measure I (2006): 144.

“Save Yourself.” Measure I (2006): 145.

“Surrender.” Measure I (2006): 146.

“The Art of Self Defense.” Mêlée, Spring 2007.

**JOLLIFFE, DAVID.** “Review Essay: Learning to Read as Continuing Education.” College Composition and Communication 58:3 (February 2007): 470-94.

**KAHF, MOHJA.** “On Reading Marge Piercy.” Poem published in Natural Bridge, No. 16, Fall 2006. University of Missouri. St. Louis.

“Hagar at the AIDS March” and “Most Wanted.” Dragonfly. Duquesne University. Pittsburg, PA, see <http://www.dfire.org/x5472.xml>.

“Talk Terroristic to Me.” Short story published online at [MuslimWakeUp.com](http://MuslimWakeUp.com), February 21.

“Most Wanted.” Poem published online at [ProgressiveIslam.org](http://ProgressiveIslam.org), July 21.

“Ramadan S&M.” Poem published online at [ProgressiveIslam.org](http://ProgressiveIslam.org), October 20.

“Sarah’s Laugh II” and 2 other poems, in Tiferet, a Journal of Spiritual Literature. Issue 5, February 2007.

“Isaac Wakes Up to Ismail and Hagar Terrorizing the House.” Poem published in Publio: Culture at the Boiling Point (literary journal), Spring 2007 issue.

“Lifting the Hagar Heel.” Poem published in Nathalie Handal, ed., Contemporary Voices from the East: An Anthology of Poems. W.W. Norton & Co., 2007.

**McCOMBS, DAVIS.** “Self-Admonition at Summer Seat” (poem) published in Pleiades: A Journal of New Writing (Central Missouri State University), 2005.

“Elgin Marbles” (poem) chosen of poem of the day on the website Poetry Daily. “Thirty September” and “Nesta” (poem) published in Virginia Quarterly Review (University of Virginia).

“Fossil Fuel” (poem) published in Bat City Review (University of Texas).

“White Spaces” and “Home” (poems) published in Gulf Coast (University of Houston).

“A Strange Forbearance” and “The Mimic Birds” (poems) published in Alaska Quarterly Review (University of Alaska).

“Northtown Well” and “Spider Crystal Descent” (poems) published in Cream City Review (University of Wisconsin).

“What Floyd Said.” Crossroads: A Southern Culture Annual (Mercer University Press). Spring 2007.

**QUINN, WILLIAM.** “The Shadow of Chaucer’s Jews.” Exemplaria 18.2 (August 2006):299-325.

### **INVITED, REPRINTED, AND UNREFEREED PUBLICATIONS**

“Epithalamium,” “Father Countries,” “Odysseus Old,” and “Postcript.” Measure: An Annual Review of Formal Poetry. (Reprint) Ed. Paul Bone and Rob Griffith. Evansville, IN: University of Evansville, 2006.

“Weighing Light,” (Reprint) Poetry Calendar 2007: 365 Classic and Contemporary Poems. Ed. Shafiq Naz. Alhambra Publishing: Belgium, 2006.

BURRIS, SIDNEY. “The Nobel Mr. Heaney, Poet.” (Reprint) Contemporary Literary Criticism 225. Ed. Jeffrey Hunter. Tomson-Gale, 2007 (Although, it appeared in 2006).

DUVAL, JOHN. Long Blues in A Minor by Gerard Herzhaft. Translated from French. Fayetteville: University of Arkansas Press. (Reprint).

Tales of Trilussa by Carlo Alberto Salustri. Translated from Romanesco. Fayetteville: University of Arkansas Press (Reprint).

The Discovery of America by Cesare Pascarella. Translated from Romanesco. Fayetteville: University of Arkansas Press (Reprint).

Published an article about recovery in New Orleans in Yoga Journal.

HAYS, DONALD. Dying Light and Other Stories. Lawson Publishing. San Francisco, July 2006. (Reprint in Paperback).

HEFFERNAN, MICHAEL. "Monks at the Pool." Reprinted in Poetry Calendar 2007: 365 Classic and Contemporary Poems. Shafiq Naz, ed. Bertem, Belgium: Alhambra Publishing, 2006: 85 (8/17).

"Medallion" Reprinted in Pushcart XXV. Listed among More Outstanding Poems in The Pushcart Book of Poetry: The Best Poems from Three Decades of the Pushcart Prize. Edited by Joan Murray. Waiscott, NY: Pushcart Press, 2006 (distributed by W.W. Norton Co.).

JOLLIFFE, DAVID. "Teaching Arkansas' Elementary Students About Literacy." Co-directed with Judy Fox. DVD Video produced by University of Arkansas School of Continuing Education and Educational Outreach, October 2006.

"First-Year Students as Readers: Studying the High School-to-College Transition." Co-authored with Allison Harl. All Things Academic 7:3 (September 2006): 1-4.

"The Brown Chair Town Hall Meeting: A Roadmap for Understanding and Addressing Literacy in Arkansas." Available at [www.uark.edu/literacy](http://www.uark.edu/literacy).

KAHF, MOHJA, "On Being a Muslim Woman Writer in the West." Islamica Magazine, Issue 17, Fall 2006, pp 78-85.

MCCOMBS, DAVIS. "Fossil Fuel" (poem) published in Missing Mountains: Kentuckians Write Against Mountaintop Removal. Edited by Kristin Johannsen, Bobbie Ann Mason, and Mary Ann Taylor-Hall. Wind Publications, 2006.

Letters by Davis McCombs (to the Editor of Poetry magazine), Between The Lines: A History of POETRY Letters (Part II, 1962-2003) Ivan R. Dee, Published, 2006.

Stephen Bishop's Grave," "Cave Mummies," "Kentucky," and "Nineveh" (poems) published in the anthology Under the Rock Umbrella: Contemporary American Poets 1951-1977, edited by William Walsh, 2006, Mercer University Press.

"Candlewriting" and "Fame" (poems) published in The Kentucky Anthology: Two Hundred Years of Writing in the Bluegrass State. Wade Hall, editor. Lexington, Kentucky: The University Press of Kentucky, 2006.

## **Foreign Languages**

### **BOOKS**

Tatsuya Fukushima, Ga: Japanese Conjunction — Its Functions and Sociolinguistic Implications. (München, Germany: Lincom Europa, 2006),

Todd C. Hanlin, *The Clearing* (translation of Peter Steiner, *Die Lichtung: Eine Erzählung*), with an Afterword (Riverside/CA: Ariadne Press, 2007), 166 pp.

Sergio Villalobos. Post-dictaduras: Rupturas y Desazones: El estado actual del debate post-dictatorial en América Latina. Book to be published in Chile by Editorial Palinodia, 2007 contract.

### **CHAPTERS IN BOOKS**

Lori Bernard, "Yo nací libre...: Expresiones de la libertad femenina en algunos manuscritos del siglo XVI y en el Quijote." 1605-2005: Don Quijote Across the Centuries. Actas del Congreso celebrado en el College of Wooster (Ohio, EE.UU.) del día 7 al 9 de abril de 2005. Ed. John P. Gabriele. Madrid: Iberoamericana, 2005. 133-44.

Todd C. Hanlin, "Wer ist schuldlos? – Einzig jene, die ins Gas mußten': Fritz Hochwälder und sein Nachkriegsstück *Holocaust*," in *Echo des Exils: Das Werk emigrierter österreichischer Schriftsteller nach 1945*, Hrsg. Jörg Thuneke (Wuppertal: Arco Verlag, 2006), 169-83.

Alexandra Pappas, "Writing on Archaic Greek Pottery," (with R. Osborne) in Art and Inscriptions in the Ancient World. Eds. Z. Newby and R. Leader-Newby, 131-55. Cambridge, 2007.

### **REFEREED ARTICLES**

Nancy Arenberg, "Resurrecting the Lost Mother: Postmemory and Mourning in Moati's *Mon enfant, ma mère*." Submitted for a Special edition of Dalhousie French Studies,

Nancy Arenberg, "Memory and Exile: Confronting Jewish Identity in Colette Fellous's *Aujourd'hui*" Submitted for a Special edition of Review of the Center for the Studies of the Literature and Arts of North Africa.

Hope Christiansen, reprint of article that originally appeared in Dalhousie French Studies: "Finding a Room of her Own in Colette's *La Vagabonde*." Reprinted in Short Story Criticism 93 (October 2006).

Kathy Comfort, "Jean Cayrol's *Corps étrangers*: Résistancialisme Confronted" published in The French Review (March 2007).

Kathleen Condray, "The Colonization of Germany: Migrant and German Identity in Wladimir Kaminer's *Mein deutsches Dschungelbuch*," in *Seminar* 42/3 (2006), 322-36.

Luis Fernando Restrepo, "La opera *Furatena* de Uribe Holguin." Cuadernos de Literatura, 10.19 (2006), 10-23.

Luis Fernando Restrepo, "Infausto Teatro de sombras." Estudios de Literatura Colombiana, 18 (2006), 173-88.

Luis Fernando Restrepo, "La Conquista de Santa Fe de Bogotá." Bulletin of the Comediantes 58.1 (2006): 173-88.

Sergio Villalobos, "El problema Mapuche y los limites del pensamiento liberal." Revista de Crítica Cultural 33 (Santiago, 2006): 42-45.

Sergio Villalobos, "El amigo del pensamiento." Revista de Crítica Cultural 34. (Santiago, 2006): 84-87.

Sergio Villalobos, "Abbas Kiarostami: la política como estética minimalista." Objeto Visual 12 (2006), 36-67.

### **UNREFEREED PUBLICATIONS**

Lori Bernard, review of "Writers on the Market: Consuming Literature in Early Seventeenth-Century Spain." Romance Quarterly, Vol. LIX, No. 1, Spring 2006: 171-172.

Todd C. Hanlin, electronic article, "Paulus Hochgatterer: Apostle to the Youth Culture," TRANS: Internet-Zeitschrift für Kulturwissenschaften, 16 (2006), <[http://www.inst.at/trans/16Nr/05\\_2/hanlin16.htm](http://www.inst.at/trans/16Nr/05_2/hanlin16.htm)>.

Todd C. Hanlin, review of Graham Bartram, ed., The Cambridge Companion to The Modern German Novel, in German Studies Review, XXIX (2006), 472-473.

Judith Ricker, electronic encyclopedia entry, "Max Frisch: Montauk," The Literary Encyclopedia (April 2006), <http://www.litencyc.com/php/sworks.php?rec=true&UID=13986>.

Judith Ricker, electronic encyclopedia entry, "Max Frisch: Der Mensch erscheint im Holozän," The Literary Encyclopedia (April 2006), <http://www.litencyc.com/php/sworks.php?rec=true&UID=13988>.

Judith Ricker, electronic encyclopedia entry, "Max Frisch: Mein Name sei Gantenbein," The Literary Encyclopedia (January 2007), <http://www.litencyc.com/php/sworks.php?rec=true&UID=13983>.

Judith Ricker, electronic encyclopedia entry, "Max Frisch: Biografie-Ein Spiel," The Literary Encyclopedia (February 2007), <http://www.litencyc.com/php/sworks.php?rec=true&UID=13974>.

Luis Fernando Restrepo, "Indigenismo e indianismo de tema muisca." Memorias de JALLA Lima., (ed.) Carlos García Bedoya. Tomo III. Lima: Universidad Nacional Mayor de San Marcos, 2006, 1567-78.

Sergio Villalobos, translation of Andreas Hyssen's article "Modernidad como antigüedad un error categorial." Revista de Crítica Cultural 34, Santiago: 8-11.

## **INVITED LECTURES**

Raymond Eichmann, "The Spectacular Machines in Old French Drama" at the Medieval and Renaissance Forum, Plymouth State University, New Hampshire (April 2007),

Todd C. Hanlin, "Translation as an Act of Cultural Transmission" for the International Conference on Innovation and Reproduction in Cultures and Societies, in Vienna, Austria (December 2007).

Luis Fernando Restrepo, "Existe una literature colonial neogranadina?" Universidad EAFIT, Medellín, Colombia, July 28, 2006.

## **OTHER LECTURES, PAPERS, AND ORAL PRESENTATIONS**

Kathy Comfort, "Recovered Memory in Patrick Modiano's Accident Nocturne." The Louisville Conference on Literature & Culture since 1900 (February 2007).

Kathy Comfort, Lazare des Tziganes: Rebirth in Matéo Maximoff's La Septieme fille." Kentucky Foreign Language Conference, Lexington, KY (April 2007).

Kathleen Condray, "Preaching to the Agnostics: Convincing Engineers of the Necessity of Study Abroad," at the American Council on the Teaching of Foreign Languages annual conference, Nashville, Tennessee (November 2006).

Raymond Eichmann. "Performance Dimensions to the Jeu d'Adam: Contexts, Character Interpretations." Medieval and Renaissance Forum, Plymouth State University, New Hampshire (April 2007).

Linda Jones and James Davis, "How Do Learners of French Comprehend Written, Aural, and Aural/visual Texts?" CALICO 2007 Conference, San Marcos, Texas (June 2007).

Kay Pritchett. "Revision and the Purification of Vision in Ruerza Canelo's Espacio de emoción." Kentucky Foreign Language Conference, Lexington, KY (April 2007).

Luis Fernando Restrepo, "El teatro de Fernando González Cajiao." JALLA, Bogotá.

Luis Fernando Restrepo, "Rethinking Hispanism." Modern Language Association Annual Convention, Philadelphia (December 27-30).

Luis Fernando Restrepo, "À dos palmos del suelo. Los estudios colonials neogranadinos desde un plano ético-político." Colonial American Studies Organization (CASO) International Symposium. Quito, Ecuador (June 5-8, 2007).

Louise Rozier, "Una parola che viola'and 'Innobile gallo": Paola Masino's Voice in the Collective Experience of World War II." ACTFL in Nashville, TN (November 16-19, 2006).

Reina Ruiz, "Raptos que dan risa. Las violencias de Feliciano Enrique de Guzmán en la Tragicomedia de los jardines y campos sabeos." AEEA (Asociación de escritoras de España y las Americas 1500-1800), Washington, D.C. (October 2006).

Reina Ruiz, "Workshop on Violence for the 2006 Attending to Early Modern Women—and Men Conference: Early Modern Women Subverting Masculine Codes of Violence: The Cases of Isabella Andreini, Elizabeth Cary, and María Zayas." Center for Renaissance & Baroque Studies, University of Maryland (November 2006).

Sergio Villalobos, "The Fragmentary Demand: Nihilism and Neo-Avant-Garde in the Chilean Debate on Visual Arts." University of Aberdeen (December 4, 2006).

Sergio Villalobos, "Contemporary Latin American Literature: A Post-humanist Imagination." Center for Modern Thought, Spanish Program, University of Aberdeen (December 5, 2006).

Sergio Villalobos, "Los estudios culturales latinoamericanos del siglo XXI." Universidad Metropolitana de la Educación, Santiago (August 8, 2006).

Sergio Villalobos, "Lecture on Memory and Violence: Visual Arts in Chile under Dictatorship." Brown Bag Series, University of Arkansas (October 5, 2006).

## **BOOK REVIEWS**

Hope Christiansen: Maurice Samuels, The Spectacular Past: Popular History and the Novel in Nineteenth-Century France (Cornell UP, 2004) in French Review 80.1 (October 2006): 211-12.

Kathy Comfort: Jean Arrouye. D'un seul tenant: Manières et matières gioniennes (Publications de l'Université de Provence, 2003) in French Review 80.6 (April 2007).

Daniel Levine: Sara Dorsdyke, Exile, Ostracism, and Democracy: the Politics of Expulsion in Ancient Greece (Princeton, 2005) in Classical Outlook 83.4 (2006), 151-52.

## **EDITING**

Hope Christiansen. Book Review Editor for The French Review. 120 reviews in 6 issues.

Adnan Haydar. Co-editor of Translation Series, Syracuse University Press.

Sergio Villalobos. Direction of an editorial collection on "Critic of the Culture." Editorial Metales Pesados, Santiago, Chile. He will publish translations, seminar, and compilation of theoretical and critical books addressing contemporary Latin American cultural and political issues.

## **REPRINTED ARTICLES**

Hope Christiansen. "Finding a Room of One's Own in Colette's *La Vagabonde*" originally in *Dalhousie French Studies* 44 (Fall 1998) was republished in *Short Story Criticism* 93 (October 2006).

Kay Pritchett. "El sujeto femenino en Cóncova mujer y Arte de cetrería" originally in *Lieratura na Swiecie*.

## **THEATER PRODUCTIONS**

Reina Ruiz. Directed "Los empeños de una casa/The House of Trials by Sor Juan Inés de la Cruz.

## **TRANSLATIONS**

Adnan Haydar with Paula Haydar. Translation of Rashid Al-Daif's *Learning English*, Interlink Publishing Group, Northampton, MA, 2007.

Adnan Haydar. Co-translator of excerpts from Henri Zoghaib's *Hamimiyat*. Spring 2007 issue of *BANIPAL*.

Louise Rozier (Co-author). Translation of "A Stick in the Eye" by Giorgio Roberti. *Italian Translation Review* 1.1 (Spring 2006): 117-26."

Louise Rozier (Co-author). Translation of "A Stick in the Eye" by Giorgio Roberti. *Metamorphoses*. 14.1-2 (Spring and Fall 2006): 128-39.

## **Geosciences**

## **REFEREED PUBLICATIONS**

Abro, I and R.K. Davis, 2006, Institutional Reforms in the Water Sector of Pakistan. In: *Ground Water and Surface Water Under Stress: Competition, Interaction, Solutions*. Proceedings 2006 USCID Water Management Conference, editors: D. Wichelms and S. Anderson. U.S. Committee on Irrigation and Drainage, pp. 297-309.

Boss, S.K. and Beller, C., 2006, Tune in, turn on, link up: Earth system science at the University of Arkansas: *Journal of Geoscience Education* Special Issue: *Symphony of the Spheres: Recent Advances in Earth System Science Education*, v.54, p.346-356

Cothren, J.. A. Barnes 2006. Quick take review: ERDAS Imagine and Leica Photogrammetry Suite 9.0. *GeoWorld Magazine*, July.

Cothren, J., A. Payne, F. Limp. 2006. Long Range Archaeological Laser Scanning: High Density Survey and Data Distribution at Tiwanaku, Bolivia and Machu Picchu, Peru. Computer Applications and Quantitative Methods in Archaeology

Cothren, J., F. and Limp. 2006. The Application of Long-range, Large-area, High-density Survey for Heritage Site Analysis. Abstracts of the XI International Seminar Forum UNESCO, University and Heritage, Documentation for Conservation and Development, New Strategies for the Future. September 11-15. pp. 127.

Fye, F.K., D.W. Stahle, E.R. Cook, and M.K. Cleaveland, 2006. NAO influence on sub-decadal moisture variability over central North America. Geophysical Research Letters 33, L15707.

Hausmann, S. and R. Pienitz, 2007, Seasonal climate inferences from high-resolution modern diatom data along a climate gradient: a case study, Journal of Paleolimnology, DOI: 10.1007/s10933-006-9061-2.

Hausmann, S. and F. Kienast, 2006, Optimisation of transfer functions by homogenisation of environmental variables: a validated case study for Greifensee in central Europe, Palaeogeography, Palaeoclimatology, Palaeoecology, 223, 96-112.

Kim, Burmshik, Kenneth F. Steele, and Todd Fugitt, 2006, Comparison of dissolved and acid extractable metal concentrations of ground water, eastern Arkansas, U.S.A., Jour. Of Environmental Informatics, Vol. 7, p. 56-65.

Limp, F., J. Cothren, Tullis J., 2006. New Analysis Tools: Expanding LIDAR's Information Content. Earth Imaging Journal, January/February 2007. pp. 26-30.

Lopez, A. M., S. Stein, T. Dixon, G. Sella, E. Calais, P. Jansma, J. Weber, and P. LaFemina, 2006, Is there a northern Lesser Antilles forearc block?, Geophys. Res. Lett., 33, L07313, doi: 10.1029/2005GL025293.

Mattioli, G.S., A.T. Linde, I. S. Sacks, P. Watts, C. Widiwijayanti, S..R Young, B. Voight, D. Hidayat, D. Elsworth, P.E. Malin, E. Shalev, E. Van Boskirk, W. Johnston, R.S.J. Sparks, J. Neuberg, V. Bass, P. Dunkley, R. Herd, T. Syers, P. Williams, and D. Williams, 2007, Unique and remarkable strainmeter measurements of pyroclastic flow-generated tsunami, Geology, 35 (1), 25-28, DOI: 10.1130/G22931A.1.

Odhambo, B.K., and Boss, S.K., 2006, Watershed physiography, land use, and sediment yield: A case study from northwest Arkansas, USA: Journal of Spatial Hydrology, v.6, p.29-51.

Paradise, T. R. 2007. "Earthquakes, Islam and risk perception – a case study from Agadir, Morocco". Studies in Disasters & Gender, Northumbria University: 29pp ([www.gdnonline.org/resources/agadir-riskperception.doc](http://www.gdnonline.org/resources/agadir-riskperception.doc)).

Paradise, T. R. 2006. "Perception of Earthquake Risk in Agadir, Morocco: a case study from a Muslim community". Environmental Hazards v. 6(3): 167-180

Paradise, T. R. 2006. "Seismic Risk perception in a Muslim community". *Journal of North African Studies* v.11(3): 243- 262.

Paradise, T. R. 2005/2006 "Geochemical and petrologic assessment of weathering features, surface recession and deterioration in Petra, Jordan" in ICOMOS International Conference Proceedings, Charleston SC: 21pp.

Paradise, T. R. 2006. "Weathering of sandstone architecture in Petra, Jordan: influences and rates" in GSA Special Paper 390: Stone Decay in the Architectural Environment: pp. 39–49.

Smith, A.L., M.J. Roobol, J.H. Schellekens, and G.S. Mattioli, 2007, Pre-historic stratigraphy of the Soufriere Hills-South Soufriere Hills volcanic complex, Montserrat, West Indies, *Journal of Geology* 115, 115-127.

Turner, H.L., P. LaFemina, A. Saballos, G.S. Mattioli, P.E. Jansma, and T. Dixon, 2007, Kinematics of the Nicaraguan forearc from GPS geodesy, *Geophy. Research Lett.* 34, L02302, doi:10.1029/2006GL027586.

Villanueva-Diaz, J., J. Cerrano-Paredes, D. W. Stahle, M. D. Therrell, L. Vazquez Salem, R. Moran Martinez, and B. H. Luckman, 2006, Arboles viejos del centro-norte de Mexico, Folleto Cientifico 20, INIFAP CENID-RASPA, Gomez Palacio, Durang, Mexico, pgs. 1-46.

Villanueva-Diaz, J., J. Cerrano-Paredes, B. H. Luckman, J. Estrada Avalos, D. W. Stahle, I. Sanchez Cohen, M. D Therrell, and R. Moran Martinez, 2006, Precipitacion y flujo historico de l Cuenca Nazas Aguanaval e impacto en la agricultura, Folleto Cientifico 19, INIFAP CENID-RASPA, Gomez Palacio, Durango, Mexico, pgs. 1-44.

Voight, B., A.T. Linde, I.S. Sacks, G.S., Mattioli, R.S.J. Sparks, D. Elsworth, D. Hidayat, P.E. Malin, E. Shalev, C. Widiwijayanti, S.R. Young, V. Bass, A.B. Clarke, P. Dunkley, W. Johnston, N. McWhorter, J. Neuberg, and P. Williams, 2006, Unprecedented pressure increase in deep magma reservoir triggered by lava-dome collapse, *Geophysical Research Letters* 33, doi:10.1029/2005GL024870, 2006.

Wadge, G., Mattioli, G.S., and R. Herd, 2006, Ground deformation at Soufriere Hills, Montserrat during 1998-2000 measured by radar interferometry and GPS, *J. Volc, and Geotherm. Res.* 152, p. 157-173.

### **NON-REFEREED PUBLICATIONS**

Boss, S.K., 2007, Bathymetry of surface waters in proximity to three proposed nuclear power facilities: William States Lee III Nuclear Station (South Carolina), Bellefonte Nuclear Station (Alabama), Grand Gulf Nuclear Station (Mississippi): Final report prepared for Enercon Services, Inc., Oklahoma City, Oklahoma, USA, January 2007.

Davis, R.K., E. Saul, and F. Kitto, 2006, Santee Sioux Nation Tribal Water Quality Management Plan. Report Submitted to EPA Assistance #I-98745201-1. Santee Sioux Nation Open File Report, Santee, Nebraska, 19p.

Davis, R.K., E. Saul, and F. Kitto, 2006, Surface Water Quality Standards within the Reservation of the Santee Sioux Nation, 106 – Water Quality Management Program Development Of Tribal Water Quality Standards – Phase I. Report Submitted to EPA Assistance # I-98754201-1. Santee Sioux Nation Open File Report, Santee, Nebraska, 41p.

Davis, R.K. and S. Shepherd, 2007, Beaver Lake Water Quality Criteria Development: - Subpart A: Beaver Lake Use and Subpart B: Synthesis of State Water Quality Criteria For Lakes and Reservoirs and U.S. EPA Nutrient Criteria Approaches. Submitted to Arkansas Department of Environmental Quality. 53 p.

Davis, R.K., 2006, Arkansas Water Resources Center Annual Technical Report to USGS. Available on-line at [www.niwr.org](http://www.niwr.org).

Guccione, Margaret J., J.D Horn, Phillip D. Hays, and J. Cothren, Geomorphology, Stratigraphy, Vegetation, and Paleoseismology of the Tyronza Area and Archeological sites 3PO608,3PO610, and 3CT340/341, SPEARS. Inc., 47 p.

Guccione, Margaret J. and Raines, Daniel S., 2007, Assessing the potential for buried archeological sites along the Fayetteville Lateral Pipeline Corridor of Texas Gas Transmission, LLC, draft report submitted to URS Corporation.

Guccione, Margaret J. and Raines, Daniel S., 2007, Assessing the potential for buried archeological sites along the Greenville Lateral Pipeline Corridor of Texas Gas Transmission, LLC, draft report submitted to URS Corporation.

Limp, W.F., J.C. Cothren and J.A. Tullis, 2007, “New Analysis Tools – Expanded LIDAR Information Content Drives New Application Opportunities”, Earth Imaging Journal (Jan/Feb 2007)

Nelson, Marc, Cash, Wade, Trost, Keith, Purtle, Jennifer, Brahana, Van, and Steele, Ken, 2007, Water quality sampling, analysis, and annual load determinations for TSS, nitrogen, and phosphorus at Ballard Creek near the Arkansas/Oklahoma line—2006 annual report: Arkansas Water Research Center Report, 14 p.

Nelson, Marc, Cash, Wade, Trost, Keith, Purtle, Jennifer, and Brahana, Van, 2007, Water quality sampling analysis, and annual load determinations for nutrients and sediment at the Arkansas Highway 45 bridge on the White River just above Beaver Lake—2006 annual report: Arkansas Water Research Center Report, 16 p.

Paradise, T. R. 2007. “U.S Geological Survey” in the Encyclopedia of the Environment & Society, Facts on File Publishing.

Paradise, T. R. 2007. "U.S. Bureau of Reclamation" in the Encyclopedia of the Environment & Society, Facts on File Publishing.

Paradise, T. R. 2007. "U.S. Antiquities Act of 1906" in the Encyclopedia of the Environment & Society, Facts on File Publishing.

Paradise, T. R. 2007. "U.S. Mining Act of 1872" in the Encyclopedia of the Environment & Society, Facts on File Publishing.

Paradise, T. R. 2007. "U.S. Department of the Interior" in the Encyclopedia of the Environment & Society, Facts on File Publishing.

Paradise, T. R. 2007. "Mining Techniques" in the Encyclopedia of the Environment & Society, Facts on File Publishing.

Paradise, T. R. 2007. "OPEC: Organization of Oil Producing Countries" in the Encyclopedia of the Environment & Society, Facts on File Publishing.

Paradise, T. R. 2006. "Algeria" in Encyclopedia of World Geography, Facts on File Publishing.

Paradise, T. R. 2006. "Atlas Mountains" in Encyclopedia of World Geography, Facts on File Publishing.

Paradise, T. R. 2006. "Egypt" in Encyclopedia of World Geography, Facts on File Publishing.

Paradise, T. R. 2006. "Morocco" in Encyclopedia of World Geography, Facts on File Publishing.

Paradise, T. R. 2006. "Tunisia" in Encyclopedia of World Geography, Facts on File Publishing.

Stephen, F.M., et al. and J.A. Tullis, 2006, "Assessment, Analysis, and Monitoring of Red Oak Borer Populations", USDA Forest Service Special Technology Development Program Technical Report, USDA Forest Service: Asheville, NC, 9 pages.

Stephen, F.M., et al. and J.A. Tullis, 2006, "Development of Geospatial Techniques for the Prediction and Assessment of Red Oak Decline Due to Red Oak Borer", USDA Forest Service Forest Health Monitoring Program, Evaluation Monitoring Project Technical Report, USDA Forest Service: Atlanta, GA, 8 pages.

## **History**

### **BOOKS**

Joel Gordon, Nasser: Hero of the Arab Nation (Oxford: Oneworld, 2006).

Daniel Sutherland, This Terrible War: The Civil War and Its Aftermath, 2<sup>nd</sup> Edition, Longman, Spring 2007.

Shih-shan Henry Tsai, Chinese translation of Lee Teng-hui and Taiwan's Quest for Identity (Palgrave Macmillan, 2005), released in December 2006 by Taiwan's Vanguard Publishing House.

Patrick Williams, *Beyond Redemption: Texas Democrats after Reconstruction* (Texas A&M University Press), March 2007.

Randall Woods, *LBJ: Architect of American Ambition* (Free Press/Simon & Schuster), 2006. (Paperback: Harvard University Press).

### **CHAPTERS IN BOOKS**

Alessandro Brogi, "Anni '50: la crisi CED e la mancata simbiosi dell'occidente" in Mario de Pero and Federico Romero (eds.), *Le crisi atlantiche, Persistenze e trasformazioni* (Rome: Edizioni di Storia e Letterature, 2006).

Daniel Sutherland, "Abraham Lincoln, John Pope, and the Origins of Total War," reprinted in Ethan Rafuse, ed., *The American Civil War: Essays in Military History* (London: Ashgate, 2006).

Daniel Sutherland, "Guerrilla Warfare, Democracy, and the Fate of the Confederacy," reprinted in Ethan Rafuse, ed., *The American Civil War: Essays in Military History* (London: Ashgate, 2006).

Daniel Sutherland, "Day of the Outlaw: The Transformation of Arkansas's Guerrilla War," chapter in Mark Christ, ed., *Civil War in Arkansas, 1864* (Old State House), 2007.

### **ARTICLES IN JOURNALS**

Alessandro Brogi, "Competing Missions: France, Italy and the Rise of American Hegemony in the Mediterranean," *Diplomatic History*, September 2006.

Don Engels, "Alexander's Intelligence System," *Classical Quarterly*, 1980 was published by Mediterran Verlag, Hungary.

Robert Finlay, "Weaving the Rainbow: Visions of Color in World History," *Journal of World History*, Spring 2007.

Joel Gordon, "The Slaps Heard 'Round the Arab World: Family and National Melodrama in 2 Nasser-Era Musicals," *International Journal of Middle East Studies*, May 2007.

Richard Sonn, "'Your Body is Yours': Anarchism, Birth Control and Eugenics in Interwar France," *Journal of the History of Sexuality*, 14, 4, Fall 2005 (appeared Summer 2006).

Kathryn Sloan, "Disobedient Daughters and the Liberal State: Generational Conflicts over Marriage Choice in Working Class Families in Nineteenth-Century Oaxaca, Mexico," *The*

Americas: A Quarterly Review of Inter-American Cultural History 63, No. 4 (April 2007): 615-648.

Tricia Starks, "Red Star/Black Lungs: Anti-Tobacco Campaigns in Twentieth-Century Russia," *Journal of the Social History of Alcohol and Drugs* 21:1 (Fall 2006).

Randall Woods, "The Politics of Idealism: Lyndon Johnson, Civil Rights, and Vietnam," *Diplomatic History*, Vol. 31, No. 1, 1-18, presidential address.

### **NON-REFEREED PUBLICATIONS**

David Chappell, Review Essay on Gene Roberts and Hank Klibanoff, (Knopf), Jason Sokal, *There Goes My Everything: White Southerners in the Age of Civil Rights, 1945-1975* (Knopf), Adam Fairclough, *A Class of Their Own: Black Teachers in the American South* (Harvard), Michael Honey, *Going Down Jericho Road: The Memphis Strike, Martin Luther King's Last Campaign* (Norton), Nancy MacLean, *Freedom Is Not Enough: The Opening of the American Workplace* (Harvard and Russell Sage), and other recent books, *The Nation* (February 2007).

David Chappell, Review Essay on Matthew Lassiter, *Silent Majority: Suburban Politics in the Sunbelt South* (Princeton 2006), Kevin Kruse, *White Flight: Atlanta and the Making of Modern Conservatism* (Princeton, 2006) and others, *Reviews in American History*, March 2007.

David Chappell, review essay on "Conservative Ascendancy and the 1970s," *Historically Speaking*, January-February 2007: 35-37.

David Chappell, review essay on "Did Racists Create the Suburban Nation?" *Reviews in American History* 35 (2007): 89-97.

David Chappell, review essay on "Roads to Freedom," *The Nation* (online version, posted April 25, 2007).

Charles Robinson, encyclopedia entry on "Anti-Miscegenation Laws" for *The Encyclopedia of Arkansas History & Culture*, Spring 2007.

Beth Schweiger, 15,000-word essay, "Alexander Campbell's Passion for Print: Protestant Sectarians and Publishing in the Early Republic," *Proceedings of the American Antiquarian Society*, 2007.

Daniel Sutherland, essay "Jayhawkers" for *Encyclopedia of Arkansas History and Culture*, (Little Rock, 2006).

Jeannie Whayne, articles published in the *Arkansas Online Encyclopedia*: "Early Twentieth Century Arkansas, 1900-to 1940 (4,000 words); "Jim Guy Tucker," (1,500 words); "Henry Massie Rector," (1,500 words).

Jeannie Whayne, presented “Shaken AND Stirred: Government and the New Madrid Earthquakes,” at the Clinton School, Little Rock, November 15, 2006.

Jeannie Whayne, presented “The New Madrid Earthquakes,” Fayetteville Rotary Club, September 21, 2006.

### **PAPERS PRESENTED AT PROFESSIONAL MEETINGS**

Alessandro Brogi, Chaired panel at MACH conference, September 2006 “The Fading Cold War and the Post-Fall World.”

Evan Bukey, Organizer and participant: Roundtable “Intermarriage, Divorce, and Gender in the Nazi Era” paper presented was “Intermarried Divorce in Nazi Vienna,” German Studies Association, Pittsburg, Pennsylvania, September 30, 2006.

Evan Bukey, Commentator: “Grossdeutsch? Kleindeutsch? Comparative Social-Military Appeals of German-Austrian and History, 1866-2006,” German Studies Association, Pittsburg, Pennsylvania, September 29, 2006.

David Chappell, “Sound and Fury Signifying What? The Populist Legacy in Post-Disfranchisement America,” St. George Tucker Society, Forum on the 50<sup>th</sup> Anniversary of C. Vann Woodward’s Tom Watson: Agrarian Rebel, Augusta, Georgia, August 5, 2006.

Lynda Coon, “Power and Eroticism in the Early Medieval West,” Sewanee Medieval Colloquium (Refereed), April 7, 2007.

Joel Gordon, “Blood on the Tracks: The ‘Real’ Cairo in Yusuf Chahine’s Bab al-Hadid,” annual meeting, Middle East Studies Association, November 2006. (Organizer of panel “Youssef Chahine’s Bab al-Hadid: Rewinding a Classic Film” and my paper was part of the panel.)

Joel Gordon, discussant for panel “Reviving Copts: Imagining a Past, Creating a Future,” Middle East Studies Association, November 2006.

Bob McMath, “Poverty and Agency: Woodward’s Populists and Woodward’s South, 1880-1937.” St. George Tucker Society, August 2006.

Beth Schweiger, “The Social World of Language in the Nineteenth Century,” Calvin College, Grand Rapids, Michigan, Communitas Fellow, July 13, 2006.

Kathryn Sloan, Chair, “Europeans Defining the Natural and Untamed,” Mid-American Conference of History, University of Arkansas, Fayetteville, Arkansas, September 2006.

Richard Sonn, “Anarchism and the Action Francaise: The Strange Death of Philippe Daudet,” Western Society for French History, Long Beach, California, October 2006.

Richard Sonn, "The Myth of Jazz Age Paris," From Paris to the World Conference, Southern Missouri State University, Joplin, Missouri, November 2006.

Tricia Starks, "'Kosmonavty ne kuriat!' The Campaign Against Smoking in the Late Soviet Period," American Association for the Advancement of Slavic Studies, Washington, DC, November 2006.

Tricia Starks, "Cigarettes and Soviets: A History of Anti-Tobacco Campaigns in Soviet Russia," Center for Research in Eastern European and Eurasian Studies, University of Kansas, October 2006.

Daniel Sutherland, "Whistler in Chile: Portrait of the Artist as Arms Dealer," British and American Nineteenth-Century Historians annual conference, University of Oxford, September 2006.

Shih-shan Henry Tsai, delivered a paper, "Revisiting the Nineteenth Century Anglo-Taiwanese Relationship," London School of Economics and Political Science's 2007 Asian Studies Forum series, January 25, 2007.

Elliott West, "Lewis and Clark in Retrospect." Lewis and Clark College, Portland, Oregon, September 29, 2006.

Elliott West, "Lewis and Clark: Lessons for Today." Annual meeting of Missouri Social Science Teachers Association, St. Louis, Missouri, September 30, 2006.

Elliott West, "Why It Matters That Lewis and Clark Didn't Get Sick (Or At Least Really Sick)." Hugh Hawkins Lecture, Amherst College, Amherst, Massachusetts, October 26, 2006. The Hawkins Lecture is one of Amherst's primary academic events of the year. Previous invitees include Drew Gilpin Faust, William Cronon and David Blight.

Elliott West, participated in panels at annual meetings of the Organization of American Historians (panel on Howard Roberts Lamar) and the Western History Association (panel on the state of the organization).

Jeannie Whayne, commented on session, "Labor and Resistance Among Agricultural Populations," at the Twenty-Eight Annual Mid-American Conference on History, Fayetteville, September 15, 2006.

Jeannie Whayne, presented "Sunk Lands and Rising Levees: Economic Power and the Control of Water" Arkansas Association of College History Teachers, Hot Springs, October 5, 2006.

Randall Woods, "LBJ, Vietnam and Civil Rights," presidential address, SHAFR, Lawrence, KS, June 2007.

## **INVITED LECTURES**

Alessandro Brogi, Invited to conference at Roosevelt Study Center, Middleburg, the Netherlands, September 2007: "The Atlantic Community and the European Idea during the 1960s and 1970s."

Alessandro Brogi, Invited to Annual Symposium organized by Nobel Institute, Oslo Norway, June 2007 as part of fellowship award. Paper title: "Anti-Americanism and Interdependence: America's Diplomatic Solution to Communist Influence in Western Europe, 1947-1978."

David Chappell, Invited to speak at National Press Club on a panel with Urban League and other organizations about new poverty initiative sponsored by Center for American Progress.

David Chappell, Commented on session at American Historical Association.

Lynda Coon, Invitation to give lecture to the University of Virginia's "Medieval Circle" (Spring 2007).

Joel Gordon, "Blood on the Tracks: The 'Real' Cairo in Yusuf Chahine's Bab al-Hadid" Annual Meeting, Middle East Studies Association, November 2006.

Beth Schweiger, "The Social World of Language in the Nineteenth Century." Calvin College, Grand Rapids, Michigan. Communitas Fellow. July 13, 2006.

Richard Sonn, "Anarchism and the Action Francaise: The Strange Death of Philippe Daudet," Western Society for French History, Long Beach, California, October 2006.

Richard Sonn, "The Myth of Jazz Age Paris," From Paris to the World Conference, Southern Missouri State University, Joplin, Missouri, November 2006.

Daniel Sutherland, "Whistler in Chile: Portrait of the Artist as Arms Dealer," British and American Nineteenth-Century Historians annual conference, University of Oxford, September 2006.

Daniel Sutherland, "Guerrillas in the Tennessee River Valley," invited paper for John C. C. Sander Lecture, University of Alabama, April 2007.

Daniel Sutherland, "Terrible Uproar and Destruction: Soldiers and Civilians at Fredericksburg," invited paper, Gettysburg College Civil War Institute, June 2007.

Daniel Sutherland, "'This is the Place for a Painter:' Nineteenth-Century American Artists in Paris," invited paper, Dilettanti Society (in conjunction with National Gallery exhibition), London, 2006.

Elliott West, "The Contested Plains Re-Visited." Center for the American West, University of Colorado, Boulder. February 20, 2007.

Elliott West, "Wired to the World: The Telegraph and the Making of the West." Colorado State Historical Society, Denver, Colorado, February 21, 2007.

Jeannie Whayne, participated in a panel, "Roll the Union On: Examinations of the Impact of the STFU on later Civil Rights and Political Activist Movements," at the Southern Tenant Farmers Museum Grand opening, October 6, 2006.

### **NON-REFEREED LECTURES, PRESENTATIONS AND PANELS**

Bob McMath, taped interview in New York on Populism for Bill Moyers/PBS program on reform movements in the late 19<sup>th</sup> and early 20<sup>th</sup> centuries, February 2007.

Bob McMath, "The Long Road to Memphis: Interracial Movements for Economic Justice, 1865-1968." Martin Luther King Week presentation, January 2007.

Bob McMath, "Making Space for Imagination and Creativity." Phi Beta Kappa Induction Ceremony, May 2007.

Randall Woods, "Lyndon Johnson and Biography," LBJ Library, Austin, TX, August 2006.

Randall Woods, "Lyndon Johnson and Texas Biography," Fayetteville Public Library, September 2006.

Randall Woods, "Lyndon Johnson and Biography," Southern Festival of Books, Nashville, TN, October 2006.

Randall Woods, "Lyndon Johnson and Biography," Clinton School, Little Rock, AR, September 2006.

Randall Woods, "LBJ and Biography," History Central, History Channel, 2006.

Randall Woods, "LBJ," C-SPAN Booknotes, 2006.

Randall Woods, "LBJ," radio interviews: John Batchelor Show, ABC; Leonard Lopat Show, New York Public Radio; Bob Edwards Show, XM Radio, "From the Bookshelf;" Gary Shapiro, California Public Radio, WRDC AM Hartford, Connecticut; KOTO NPR Colorado.

### **BOOK REVIEWS PUBLISHED**

Alessandro Brogi, review of Fabio Lucchini, *Le relazioni tra Arabia Saudita e Stati Uniti (1979-2004)*, Milan: Cardano Editore, 2005) in *Annali della SISSCO*, Milan, Italy, September 2006.

David Chappell, review of Houston Roberson, *Fighting the Good Fight: The Story of Dexter Avenue King Memorial Baptist Church, 1865-1977* (Routledge, 2005), for *Journal of American History*, September 2006.

David Chappell, review essay “Did Racists Create the Suburban Nation?” on Matthew Lassiter, *Silent Majority: Suburban Politics in the Sunbelt South* (Princeton 2006), Kevin Kruse, *White Flight: Atlanta and the Making of Modern Conservatism* (Princeton 2006), and others in *Reviews in American History* (March 2007).

Lynda Coon, review of Dale B. Martin and Patricia Cox Miller, *The Cultural Turn in Late Ancient Studies* (Duke University Press, 2005), *Catholic Historical Review* (July 2006), pp. 292-293.

Joel Gordon, reviewed Lawrence Davidson’s *America’s Palestine: Popular and Official Perceptions from Balfour to Israeli Statehood* (Florida 2001), *Logos* 5 (1) Winter 2006.

Charles Robinson, reviewed Alex Lubin’s *Romance and Rights: The Politics of Interracial Intimacy, 1945-1954*, for *Journal of Southern History*.

Tricia Starks, for Paula A. Michaels, *Curative Powers: Medicine and Empire in Stalin’s Central Asia* in *Slavic Review*, Fall 2006 (65:3:594-595).

Elliott West, book reviews published in *North Dakota History*, *Pacific Historical Review*, *Arkansas Historical Quarterly*, *Montana*, the *Magazine of Western History*, and *Military History*.

Jeannie Whayne, book review of *The Claims of Kinfolk: African American property and Community in the Nineteenth-Century South* by Dylan C. Penningroth (Chapel Hill: University of North Carolina Press, 2003) for *The Georgia Historical Quarterly*. Published in the *Georgia Historical Quarterly* (Winter 2006), p. 554-555.

Patrick Williams, book review of *The Louisiana Purchase and American Expansion, 1803-1898*, ed. Sanford Levinson and Bartholomew Sparrow, *Journal of American History*, March 2007.

## **Journalism**

### **BOOKS**

Sylvie, G.; Wicks, Jan; Hollifield, A.; Lacy, S.; Sohn, A.. *Media Management: A Casebook Approach*, 4<sup>th</sup> Edition. Mahwah, NJ: Erlbaum, 2007. Wicks assisted in updating the book for the fourth edition.

### **ARTICLES PUBLISHED/REFEREED JOURNALS**

Fosu, Ignatius and Reichert, T. (University of Georgia). “Women’s Responses to Sex in Advertising: Examining the Effect of Women’s Sexual Self Schema on Responses to Sexual Content in Commercials.” *Journal of Promotion Management*, 11. Spring 2006.

Watkins, Patsy. “The Lemke Department of Journalism Minority High School Journalism Workshop.” *The International Journal of Diversity in Organisations, Communities & Nations*. Spring 2007.

## **UNREFEREED PUBLICATIONS AND PROCEEDINGS**

Purvis, Hoyt. Weekly political op-ed column, Northwest Arkansas Times.

Wicks, Jan. "Self-Regulation and Weight Loss Advertising: Staying Informed," NARB Quarterly (newsletter of the National Advertising Review Board), Vol. 4, Winter 2006.

## **BOOK REVIEWS**

Jordan, Gerald. Review of Negro League Baseball. Published in Visual Communication Quarterly. Fall 2006.

Jordan, Gerald. Review of The Race Beat. Published in the Arkansas Democrat-Gazette. Fall 2006.

Watkins, Patsy. Review of Gospels and Acts, Vol. 6 of the St. John's Bible. Published in Visual Communication Quarterly. Fall 2006.

## **INVITED LECTURES**

Carpenter, Dale. "'A New Island' and the Marshallese immigrants in Springdale." Presented at the Bessie B. Moore Center for Economic Education, WCOB, University of Arkansas; the Jones Center for Families, Springdale; the 13<sup>th</sup> Annual "Talking Ozarks" Symposium, Black River Technical College, Pocahontas, AR; Springdale Public Library; Hot Springs Documentary Festival.

Purvis, Hoyt. "Preserving and Protecting Fulbright and International Educational Exchange," International Technical Assistance Seminar, Bureau of Educational and Cultural Affairs, Marrakech, Morocco. November 4. 2006.

## **OTHER LECTURES, PAPERS, AND ORAL PRESENTATIONS**

### **REFEREED**

Fosu, Ignatius. "Cognitive Dissonance: A review of the theory's evolution and applications in communication and consumer behavior research." Paper presented at the Association for Education in Journalism and Mass Communication annual convention. San Francisco, CA. August 2006.

Xue, F., Reichert, T. and Fosu, Ignatius. "Gender, Humor and Sexual Appeals in Advertising." Paper presented at the Association for Education in Journalism and Mass Communication annual convention. San Francisco, CA. August 2006.

Purvis, Hoyt. Paper Presentation: "Looking Back at Little Rock: A Landmark for Media and Civil Rights." Southwest Education Council for Journalism and Mass Communication. Louisiana State University, Baton Rouge, LA. October 2006.

Watkins, Patsy. Paper presentation: "Designing the Holy Bible: Arguing the Text through the Form." Presented at the Association for Education in Journalism and Mass Communication annual convention. San Francisco, CA. August 2006.

### **NON-REFEREED**

Foley, Larry. Invited presentations: "Telling the Story of Arkansas History through Documentary Film." The Butler Center, Little Rock Library. Also presented at the Arkansas State Library Association annual meeting. Fayetteville, AR.

### **CREATIVE ENDEAVORS SUCH AS DOCUMENTARIES, RECITALS, CONCERTS, SHOWS, PERFORMANCES AND COMPARABLE ACTIVITIES**

### **REFEREED**

Carpenter, Dale. Documentary: "City of Visitors". Picked up for distribution by the National Parks Eastern national bookstore chain, for sale in visitor centers of National Parks.

Foley, Larry. Documentary: "Charles Banks Wilson: Portrait of an American Artist." Broadcast on Arkansas Educational Television Network and Oklahoma Educational Television Network. Fall 2006. Also accepted for national broadcast distribution in 2007 by National Educational Telecommunications Association.

### **NON-REFEREED**

Foley, Larry & Carpenter, Dale. Documentary: "Beacon of Hope: The Story of the University of Arkansas." Produced for the University of Arkansas.

Foley, Larry. Documentary: "22 Straight." Picked up for distribution by Wal-Mart and Hastings.

### **Mathematical Sciences**

### **PUBLICATIONS AND LECTURES BOOKS**

Hogan, Jeff, Hardy's theorem and rotations, Proceedings of the American Mathematical Society, 134 (2006) p.1459-1466 (with J.D. Lakey).

Hogan, Jeff, Periodic nonuniform sampling in shift-invariant spaces, in "Harmonic Analysis and Applications", C. Heil ed., Birkhauser, Boston (Applied and Numerical Harmonic Analysis Series) p.253-287 (with J.D. Lakey).

Hogan, Jeff, On uncertainty bounds and growth estimates for fractional Fourier transforms, Applicable Analysis, 85 (2006) p.891-899 (with J.D. Lakey).

Hogan, Jeff, Frame-based nonuniform sampling in Paley-Weiner spaces, Journal of Applied Functional Analysis (Eudoxus Press), 2007.

Johnson, Mark, On Equations Defining Veronese Rings, *Archiv Math.* 86 (2006), 205-210 (with J. McLoud-Mann).

Schein, Boris, Automorphisms of the endomorphism semigroup of a free inverse semigroup. *Communications in Algebra* 34(2006), no. 10, 3569– 3584.

Schein, Boris, Incompleteness: the proof and paradox of Kurt Goedel. *Math. Abstracts.* Springer–Verlag, 2007.

### **REFEREED ARTICLES**

Akeroyd, John, A Note on Harmonic Measure, *The Journal of Computational Methods and Function Theory*, to appear in the first (2007) volume of this journal.

Capogna, Luca, "A note on the engulfing property and the  $\Gamma^{1+\alpha}$ -regularity of convex functions in Carnot Groups", (with D. Maldonado) *Proc. Amer. Math. Soc.* 134 (2006) 319.91-319

Capogna, Luca, "\$1\$-Quasiconformal maps in Carnot groups" *Duke Math. Journal* Vol. 135, No. 3 (2006) (with Michael Cowling).

Capogna, Luca, "Ahlfors type estimates for the perimeter measure in Carnot-Carathéodory spaces". *Journal of Geometric Analysis*, Vol. 16 (3) (2006) 455-497 . (with Nicola Garofalo).

Goodman-Strauss, Chaim, (with Yoav Rieck) Simple Geodesics on a Punctured Surface, *Top & App* 154 (2007), 154-164.

Hogan, Jeff, Seminar talk: Hypercomplex signal processing, University of Vienna Faculty of Mathematics, September 2006.

Hogan, Jeff, Seminar talk: Sampling in PSI spaces and a naïve wavelet construction, University of Vienna Faculty of Mathematics, December 2006.

Hogan, Jeff, Conference talk: BMO, boundedness of affine operators, and frames, Workshop on Time-Frequency Analysis, Erwin Schrödinger Institute, Vienna, November 2006.

Lanzani, L. and Mendez, F. "The Poisson problem for the Laplacian with Robin boundary condition in non-smooth domains", *Revista Matemática Iberoamericana*, 22 (2006), 181-204.

Luecking, Daniel, Finite Rank Toeplitz Operators on the Bergman Space, to *Proceedings of Amer. Math. Soc.*

Madison, Bernard, *Programs and Courses, 2006*, published by Association for Institutional Research, Tallahassee, FL

a) Author of Chapter 1, *Assessment in College Mathematics: Many 1)* Book Editor, *Assessment in College Mathematics: Towards Improved Options*

b) Author of Chapter 12, Assessment: The Burden of a Name (previously published on PKAL web site)

Madison, Bernard, Book Chapter author (with S. Ganter). Mathematics and QUE: Oil and water, Chapter 8, pp 145-172, Faculty Development for Student Achievement, Bolton, MA: Anker Press, 2006, edited by Ronald J. Henry, Madison, Bernard, "Pedagogical Challenges of Quantitative Literacy," Proceedings of the 2006 Joint Statistics Meetings.

Madison, Bernard, Invited Book chapter "Mathematical Proficiency for Citizenship," in MSRI Assessment Volume (Alan Schoenfeld & Kathy Kessel, editors) Cambridge University Press.

Madison, Bernard, "National Dissemination and Research on Professional Development: Supporting Assessment in Undergraduate Mathematics," To appear in NSF volume on Assessment of Students Achievement..

Rieck, Yo'av, with Chaim Goodman-Strauss, Simple geodesics on a punctured hyperbolic surface, *Topology and its Application* 154 (2007) 155-165.

Rieck, Yo'av, with Tsuyoshi Kobayashi, On the growth rate of tunnel number of knots, *Journal für die reine and angewandte Mathematik* 592 (2006) 63-78.

Rieck, Yo'av, with Tsuyoshi Kobayashi, Heegaard genus of the connected sum of m-small knots, *Communications in Analysis and Geometry* 14(5) (2006) 1033-1073.

Song, J. J., with Ghosh, M., Miaou, S.-P. and Mallick, B. (2006), Bayesian Multivariate Spatial Models for Roadway Traffic Crash Mapping, *Journal of Multivariate Analysis*, 97, 246-273.

Song, J. J., with Conlon, E.M., and Liu, J.S. (2006), Bayesian Models for Pooling Microarray Studies with Multiple Sources of Replications, *BMC Bioinformatics*, 7, 247.

Tjani, Maria, Distance of a Bloch function to the little Bloch space, *Bulletin of the Australian Mathematical Society*, Vo. 74 (2006) [101-119].

### **NON-REFEREED PUBLICATIONS AND CONFERENCE PROCEEDINGS**

Capogna, Luca, "Mean curvature flow in the Heisenberg group" Geometric Analysis and PDEs (ICM 2006 satellite conference), Naples, Italy, September 1-4, 2006.

Goodman-Strauss, Chaim, the Runcinated Dodecaplex model, exhibited in Mullins Library Nov 2006-Jan 2007.

Goodman-Strauss, Chaim, Open Problems in Tiling, colloquium, Univ. Houston, August 2006.

Luecking, Daniel, Maintained software package Mfpic, a package of TeX, Metafont and Metapost macros for creating mathematical drawings in TeX documents. Released version 0.9 in early 2006. Worked on version 1.0, which will be released in 2007. Version 0.9 consists of over

200K of TeX, MF and MP code, 310 pages of documentation and 160K of supporting files. Version 0.9 is available from <ftp://ctan.tug.org/tex-archive/graphics/mfpic/>.

Madison, Bernard, "Sociologists Contribute to Quantitative Literacy," Footnotes vol. 34 No. 9, December 2006, p. 6. Washington, DC: American Sociological Society.

Madison, Bernard, Residue of Calculus: Learning that Lasts, published on <http://apcentral.collegeboard.com> and in North Carolina Association of AP Mathematics Teachers Newsletter, Vol 14, No 2, Summer 2006, 29-39 .

Madison, Bernard, Invited paper on news math experimental course, January Joint Mathematics Meetings.

Petris, Giovanni, "dlm: Functions for DLM Analysis." R extension package, version 0.7-1.

Ryan, John, Function theory for Laplace and Dirac-Hodge operators in hyperbolic space, with Yuying Qiao, Swanhild Bernstein and S.-L. Eriksson, Journal d'Analyse Mathematique, 98, 2006, 43-64.

Ryan, John, Some conformally flat spin manifolds, Dirac operators and automorphic forms, with R. S. Krausshar, Journal of Mathematical Analysis and its Applications, 325, 2007, 359-376.

Song, J. J., Clustering of Time-Course Gene Expression Data Using Functional Data Analysis (2006), Contributed Session on Measuring Gene Expression, American Statistical Association Joint Statistical Meeting (JSM), Seattle, WA.

Song, J. J., Use of the Mantel Test for Analysis of Functional Gene Array Data from Environmental Samples (2006), Poster Session, The 106<sup>th</sup> General Meeting of The American Society for Microbiology, Miami, FL.

Song, J. J., Digital Multimedia Broadcasting; DMB Innovators and Their Media Use (2006), 51st Annual Convention of the Broadcast Education Association, Las Vegas, NV.

## **Music**

### **BOOKS, PUBLISHED COMPOSITIONS, CD'S RECORDED, ETC.**

James Greeson (composer), musical score for documentary produced by Larry Foley, "Charles Banks Wilson," broadcast numerous times on AETN and OETA since its premiere in September 2006.

James Greeson (composer), musical score for documentary produced by Larry Foley and Dale Carpenter, "Beacon of Hope," for University of Arkansas "Town and Gown" event, in October, 2006.

James Greeson, textbook for MUTH 3603 18<sup>th</sup>-Century counterpoint (really a 100-page booklet, more to-the-point and affordable for students, than alternatives).

Jura Margulis, re-release: "Live on the Horowitz Steinway" CD in July, 2006, Ars Musici.

Jura Margulis, release of new CD "Jura Margulis: Piano Transcriptions," in July, 2006, with new Label: OEHMS CLASSICS.

Lyrique Quintet, new CD, Something Old, Something New, Something Borrowed, Something Blue (Nuance).

Robert Mueller completed two commissioned works, Sonata for Saxophone and Piano, premiered by James Umble in Ohio; and Sonata for Flute and Piano to be premiered during the summer, 2007, at the Interlochen Arts Festival, by Jill Heyboer.

Benjamin Pierce, tuba, released a new solo CD, "Cheers," in 2007.

### **REFEREED ARTICLES**

James Greeson, 30 different "guitar chord charts" for Delavan publications, New York.

Christopher Lacy, invited by Oxford University Press to review Opera Odyssey: Sarah Caldwell and the Opera Company of Boston, by Kristina Bendakis.

Ronda Mains, "The Creation of a Subculture: The Decline of the Arts in a Society Dominated by Technology, Science and Economics," Two cultures: Oxford Round Table Forum on Public Policy Online Winter 2007, <http://www.forumonpublicpolicy.com/papersw07.html>

Elizabeth Margulis (first author, with W. H. Levine), "Timbre Priming Effects and Expectation in Melody," Journal of New Music Research 35, (2006), 175-182.

Elizabeth Margulis, "Context Effects on the Experience of Musical Silence," Ninth International Conference on Music Perception and Cognition, Bologna, Italy, August, 2006.

Elizabeth Margulis, "Silences in Music are Musical Not Silent" Music Perception, volume 24, no. 5 [June 2007].

### **UNREFEREED ARTICLES AND PROCEEDINGS**

Elizabeth Margulis, "Context Effects on the Experience of Musical Silence," Proceedings of the Ninth International Conference on Music Perception and Cognition, Mario Baroni, Anna Rita Addressi, Roberto Caterina, and Marco Costa (eds.), Bologna, Italy (2006).

### **INVITED LECTURES**

Nophachai Cholthitchanta presented a paper on the "Stubbins/Kaspar Clarinet System" at the Clarinet Colloquium at the University of Edinburgh, Scotland.

Elizabeth Margulis, "Moved by Nothing: Listening to Musical Silence," Music Department Colloquium, University of Pennsylvania, November, 2006.

Elizabeth Margulis, "A Cognitive Perspective on Piano Performance," Forum Internacional de Musica, Barcelona, Spain, July, 2006.

Elizabeth Margulis, "Neuroscience, the Food of Musical Culture?" conference "From the Brain to Human Culture: Intersections between the Humanities and Neuroscience" at Bucknell University in Lewisburg, PA [April, 2007].

Dale Misenhelter, Functions of Music: An Ongoing research Initiative, European Music Educators Association Annual Conference, Vicenza, Italy, 2006.

Dale Misenhelter, "Comparative Listening Tasks: Differentiated Responses to Musical Tension and Dynamics Within a Single Musical Example, MENC National Conference, Salt Lake City, UT; also presented at the Missouri Music Educators Conference, 2006.

Gerald Sloan, "Our Latin Thing: The Evolution of Tropical Pop," as part of Fall Hispanic Heritage Month activities, University of Arkansas at Fort Smith.

### **OTHER LECTURES, PAPERS, AND ORAL PRESENTATIONS**

Ronda Mains served as discussion leader for Oxford Round Table sessions: Bridging the Two Cultures: The Case of Science and Natural History Filmmaking and On Stage in the Magical Abstract World of Theatre, Math, and Science.

Elizabeth Margulis Presented a poster "Selective Neurophysiologic Responses to Timbre in Musicians with Different Listening Biographies" (co-authored with members of the Department of Communication Sciences and Disorders and the Department of Radiology at Northwestern University) at the 13th Annual Meeting of the Organization for Human Brain Mapping in Chicago [June, 2007].

Dale Misenhelter, "Orff-Shulwerk in Music Classrooms, Basic and Intermediate Techniques," European Music Educators Association, Vicenza, Italy, Educational Sessions, 2006.

Dale Misenhelter, "Let the Kids Do It," Arkansas Music Educators Journal Segue, 2006; reprinted in the Vermont Music Educators Journal.

Dale Misenhelter, "Context and Experiences in Music Programs: Decisions for Teachers" (2007), Arkansas Music Educators Journal Segue 28(2), p.10-12.

Dale Misenhelter, "Revisiting Teacher Training: Hands-on Kinesthetic and Cognitive Approaches," AMEA clinician for elementary division. Arkansas All-State Conference (2007).

## **Philosophy**

**BOOKS:** 0

**CHAPTERS:** 2

**REFEREED ARTICLES:** 5 (And additional 2 were accepted for publication)

**UNREFEREED PUBLICATIONS:** 0

**INVITED LECTURES:** 3

**OTHER LECTURES:** 2

**OTHER CREATIVE ENDEAVORS:** 0

## **Physics**

### **BOOKS OR BOOK CHAPTERS PUBLISHED**

Physics: Concepts and Connections, 4<sup>th</sup> edition, A. Hobson, (Pearson/Prentice Hall Pub. Co., New York, 2007).

“Daniel Magnes Popper,” C.H. Lacy in The Bibliographic Encyclopedia of Astronomers, ed. T. Hockey, (Kluwer Academic Publ., Dordrecht, 2006).

“Photorefractive solitons,” E. DelRe, M. Segev, D. Christodoulides, B. Crosignani, G. Salamo, Springer Ser. in Optical Sci. Photorefractive Materials and Their Applications 1 113, 317-367 (Springer-Verlag, Berlin, 2006).

Traveling at the Speed of Thought: Einstein and the Quest for Gravitational Waves, Daniel Kennefick (Princeton University Press, Princeton, NJ, 2007).

### **REFEREED JOURNAL ARTICLES PUBLISHED**

“Observation of Ga droplet formation on (311)A and (511)A GaAs surfaces,” Z. Y. AbuWaar, Zh. M. Wang, J. H. Lee, G. J. Salamo, Nanotechnol. 17, 4037-4040 (2006).

“Optical behavior of GaAs/AlGaAs ringlike nanostructures,” Ziad Y. AbuWaar, Y. I. Mazur, J. H. Lee, Zh. M. Wang, G. J. Salamo, J. Appl. Phys. 101, 024311 (2007).

“Theoretical phase diagram of ultrathin films of incipient ferroelectrics,” A. R. Akbarzadeh, L. Bellaiche, Jorge Iniguez, and David Vanderbilt, Appl. Phys. Lett. 90, 242918 (2007).

“Effects of vacancies on properties of disordered ferroelectrics: a first-principles study,” L. Bellaiche, Jorge Iniguez, Eric Cockayne, B.P. Burton, Phys. Rev. B 75, 014111 (2007).

- “Nanopore sculpting with noble gas ions,” Qun Cai, Brad Ledden, Eric Krueger, Jene A. Golovchenko, Jiali Li, *J. Appl. Phys.* 100, 024914 (2006).
- “Optimization of a Dual Pumped L-Band Erbium-doped Fiber Amplifier by Genetic Algorithm,” C. Cheng, Min Xiao, *J. Lightwave Technol.* 24, 3824 (2006).
- “Near-infrared wavelength intersubband transitions in GaN/AlN short period superlattices,” E. A. DeCuir, Jr., Emil Fred, B. S. Passmore, A. Muddasani, M. O. Manasreh, Jinqiao Xie, Hadis Morkoc, M. E. Ware, G. J. Salamo, *Appl. Phys. Lett.* 89, 151112 (2006).
- “Effect of the anisotropy of deformation fields in multilayer structures on x-ray reflection spectra,” A. N. Efanov, V. P. Klad'ko, A. I. Gudymenko, V. V. Strel'chuk, Yu. Mazur, Zh. Wang, G. Salamo, *Metallofizika i Noveishie Tekhnologii* 28, 441-448 (2006).
- “On magnetic interlayer coupling and proximity effect in a  $\text{La}_{0.67}\text{CA}_{0.33}\text{MnO}_3$  (10 nm)/ $\text{Yb}_2\text{Cu}_3\text{O}_7$  (10 nm) superlattice,” W. Freeland, J. Chakhalian, *Appl. Phys. Lett.* 90, 24250 (2007).
- “Minimum-energy pulses for quantum logic cannot be shared,” J. Gea-Banacloche, M. Ozawa, *Phys. Rev. A* 74, 060301(R) (2006).
- “Optical switching in arrays of quantum dots with dipole-dipole interactions,” J. Gea-Banacloche, Mambwe Mumba, Min Xiao, *Phys. Rev. B* 74, 165330 (2006).
- “Zero-strain GaAs quantum dot molecules as investigated by x-ray diffuse scattering,” M. Hanke, M. Schmidbauer, D. Grigoriev, P. Schafer, R. Kohler, T. H. Metzger, Zh. M. Wang, Yu. I. Mazur, G. J. Salamo, *Appl. Phys. Lett.* 89, 053116 (2006).
- “Cavity-QED-Based Unconventional Geometric Phase Gates with Bichromatic Field Modes,” A. Joshi, Min Xiao, *Phys. Lett. A* 359, 390 (2006).
- “Control of Nonlinear Optical Processes in Multi-Level Atomic Systems,” A. Joshi, Min Xiao, *Prog. Optics*, Ed. E. Wolf, 49, 97-175 (2006).
- “Three Qubit Quantum-Gate Operation in a Cavity QED System,” A. Joshi, Min Xiao, *Phys. Rev. A* 74, 052318 (2006).
- “Stochastic Resonance in Atomic Optical Bistability,” A. Joshi, Min Xiao, *Phys. Rev. A* 74, 013817 (2006).
- “Violation of Bell's Inequality for Two-Coupled Quantum Dots Confined in a Cavity,” A. Joshi, B. Anderson, Min Xiao, *Phys. Rev. B* 75, 125304 (2007).
- “Polarization ratio and effective mass in InP nanowires: effect of crystallographic axis,” D. Karanth, H. Fu, *Phys. Rev. B* 74, 155312 (2006).

“The nature of ferroelectricity under pressure,” Igor A. Kornev, L. Bellaiche, *Phase Transitions* 80, 385-413 (2007).

“New Times of Minima of Some Eclipsing Variables,” C.H.S. Lacy, *IBVS*, 5764 (2007).

“Domain evolution of BaTiO<sub>3</sub> ultrathin films under an electric field, a first-principles study,” Bo-Kuai Lai, Inna Ponomareva, Igor A. Kornev, L. Bellaiche, G. J. Salamo, *Phys. Rev. B* 75, 085412 (2007).

“InGaAs quantum dot molecules around self-assembled GaAs nanomound templates,” J. H. Lee, Zh. M. Wang, N. W. Strom, Yu. I. Mazur, G. J. Salamo, *Appl. Phys. Lett.* 89, 202101 (2006).

“Observation of change in critical thickness of In droplet formation on GaAs(100),” J. H. Lee, Zh. M. Wang, G. J. Salamo, *J. Phys.: Condensed Matter* 19, 176223 (2007).

“Ga-triggered oxide desorption from GaAs(100) and non-(100) substrates,” J. H. Lee, Zh. M. Wang, G. J. Salamo, *Appl. Phys. Lett.* 88, 252108 (2006).

“Multiple vertically stacked quantum dot clusters with improved size homogeneity,” J. H. Lee, Zh. M. Wang, B. L. Liang, K. A. Sablon, N. W. Strom, G. J. Salamo, *J. Phys. D: Appl. Phys.* 40, 198-202 (2007).

“Survival of atomic monolayer steps during oxide desorption on GaAs (100),” J. H. Lee, Zh. M. Wang, G. J. Salamo, *J. Appl. Phys.* 100, 114330 (2006).

“Low density InAs quantum dots grown on GaAs nanoholes,” B. L. Liang, Zh. M. Wang, J. H. Lee, K. Sablon, Yu. I. Mazur, G. J. Salamo, *Appl. Phys. Lett.* 89, 043113 (2006).

“Evolution between self-assembled single and double ring-like nanostructures,” J. H. Lee, Zh. M. Wang, Z. Y. Abuwaar, N. W. Strom, G. J. Salamo, *Nanotechnol.* 17, 3973-3976 (2006).

“Formation of Self-Assembled Sidewall Nanowires on Shallow Patterned GaAs (100),” J. H. Lee, Zh. M. Wang, B. L. Liang, W. Black, V. P. Kunets, Y. Mazur, G. J. Salamo, *IEEE Transactions on Nanotechnol.* 6, 70 (2007).

“Controlled Polarization Rotation of an Optical Field in Multi-Zeeman-Sublevel Atoms,” S. Li, B. Wang, X. Yang, Y. Han, H. Wang, Min Xiao, K.C. Peng, *Phys. Rev. A* 74, 033821 (2006).

“Annealing effect on GaAs droplet templates in formation of self-assembled InAs quantum dots,” B. L. Liang, Zh. M. Wang, J. H. Lee, K. A. Sablon, Yu. I. Mazur, G. J. Salamo, *Appl. Phys. Lett.* 89, 213103 (2006).

“Photoluminescence of surface InAs quantum dot stacking on multilayer buried quantum dots,” B. L. Liang, Zh. M. Wang, Yu. I. Mazur, G. J. Salamo, *Appl. Phys. Lett.* 89, 243124 (2006).

“Tuning the optical performance of surface quantum dots in InGaAs/GaAs hybrid structures,” B. L. Liang, Zh. M. Wang, Yu. I. Mazur, Sh. Seydmohamadi, M. E. Ware, G. J. Salamo, *Opt. Express* 15, 8157-8162 (2007).

“Correlation between surface and buried InAs quantum dots,” B. L. Liang, Zh. M. Wang, Yu. I. Mazur, G. J. Salamo, Eric A. DeCuir, Jr., M. O. Manasreh, *Appl. Phys. Lett.* 89, 043125 (2006).

“Growth and characterization of bilayer InAs/GaAs quantum dot structures,” B. L. Liang, Zh. M. Wang, Yu. I. Mazur, V. V. Strelchuck, G. J. Salamo, *Phys. Status Solidi A: Applications and Materials Science* 203, 2403-2410 (2006).

“Nonlinear Optical Absorption and Refraction of Epitaxial  $Ba_{0.6}TiO_3$  Thin Films on (001) MgO Substrates,” S. Liu, J. Xu, D. Guzun, G.J. Salamo, C.L. Chen, Y. Lin, M. Xiao, *Appl. Phys. B* 82, 443-447 (2006).

“Domain Microstructures and Ferroelectric Phase Transition in  $Pb_{0.35}Sr_{0.65}TiO_3$  Films Studied by SHG in Reflection Geometry,” S.W. Liu, S. Jolly, M. Xiao, *J. Appl. Phys.* 101, 104118 (2007).

“Second harmonic generation and ferroelectric phase transitions in thick and ultrathin  $Pb_{0.35}Sr_{0.65}TiO_3$  films on (001) MgO substrates,” S. W. Liu, J. Chakhalian, M. Xiao, *Appl. Phys. Lett.* 90, 042901 (2007).

“Strain-induced electronic energy changes in multilayered InGaAs/GaAs quantum wire structures,” Zhixun Ma, Todd Holden, Zhiming M. Wang, Gregory J. Salamo, Lyudmila Malikova, Samuel S. Mao, *J. Appl. Phys.* 101, 044305 (2007).

“Lengthening of the photoluminescence decay time of InAs quantum dots coupled to InGaAs/GaAs quantum well,” Yu. I. Mazur, B. L. Liang, Zh. M. Wang, G. G. Tarasov, D. Guzun, G. J. Salamo, T. D. Mishima, M. B. Johnson, *J. Appl. Phys.* 100, 054313 (2006).

“Development of continuum states in photoluminescence of self-assembled InGaAs/GaAs quantum dots,” Yu. I. Mazur, B. L. Liang, Zh. M. Wang, G. G. Tarasov, D. Guzun, G. J. Salamo, *J. Appl. Phys.* 101, 014301 (2007).

“Spectroscopy of sub-wetting layer states in InAs/GaAs quantum dot bi-layer systems,” Yu. I. Mazur, Zh. M. Wang, H. Kissel, Z. Ya. Zhuchenko, M. P. Lisitsa, G. G. Tarasov, G. J. Salamo, *Semicond. Sci. and Technol.* 22, 86-96 (2007).

“Time-resolved photoluminescence spectroscopy of subwetting layer states in InGaAs/GaAs quantum dot structures,” Yu. I. Mazur, B. L. Liang, Zh. M. Wang, D. Guzun, G. J. Salamo, G. G. Tarasov, Z. Ya. Zhuchenko, *J. Appl. Phys.* 100, 054316 (2006).

“Excitonic transfer in coupled InGaAs/GaAs quantum well to InAs quantum dots,” Yu. I. Mazur, B. L. Liang, Zh. M. Wang, D. Guzun, G. J. Salamo, Z. Ya. Zhuchenko, G. G. Tarasov, *Appl. Phys. Lett.* 89, 151914 (2006).

“Vortex-to-Polarization Phase Transformation Path in Pb(ZrTi)O<sub>3</sub> Nanoparticles,” I. Naumov and H. Fu, *Phys. Rev. Lett.* 98, 077603 (2007).

“ $\beta$ -NMR of Isolated Lithium in Nearly Ferromagnetic Palladium,” T. J. Parolin, Z. Salman, J. Chakhalian, Q. Song, K. H. Chow, M. D. Hossain, T. A. Keeler, R. F. Kiefl, S. R. Kreitzman, C. D. P. Levy, R. I. Miller, G. D. Morris, M. R. Pearson, H. Saadaoui, D. Wang, and W. A. MacFarlane, *Phys. Rev. Lett.* 98, 73405 (2007).

“Asymmetric screening of the depolarizing field in ferroelectric thin film,” S. Prosandeev and L. Bellaiche, *Phys. Rev. B* 75, 172109 (2007).

“Characteristics and signatures of dipole vortices in ferroelectric nanodots: First-principles-based simulations and analytical expressions,” S. Prosandeev and L. Bellaiche, *Phys. Rev. B* 75, 094102 (2007).

“Nonlinear dynamics of modulated bidirectional solid state ring laser,” F. Rawwagah and S. Singh, *J. Opt. Soc. Am. B* 23 (2006).

“Synchronized and unsynchronized chaos in a modulated bidirectional ring laser,” F. Rawwagah, B. Lu and S. Singh, *Phys. Rev. A* 75, 043811 (2007).

“Adiabatic geometric phase gate with a quantized control field,” S. Siddiqui and J. Gea-Banacloche, *Phys. Rev. A* 74, 052337 (2006).

“Lateral ordering of quantum dots and wires in the (In,Ga)As/GaAs(100) multilayer structures,” V. V. Strel'chuk, P. M. Lytvyn, A. F. Kolomys, M. Ya. Valakh, Yu. I. Mazur, Zh. M. Wang, G. J. Salamo, *Semicond.* 41, 73-80 (2007).

“Self-assembled InAs quantum dot formation on GaAs ring-like nanostructure templates,” N. W. Strom, Zh. M. Wang, J. H. Lee, Z. Y. AbuWaar, Yu. I. Mazur, G. J. Salamo, *Nanoscale Res. Lett.* 2, 112-117 (2007).

“Optical detection of asymmetric quantum-dot molecules in double-layer InAs/GaAs structures,” G. G. Tarasov, Z. Ya. Zhuchenko, M. P. Lisitsa, Yu. I. Mazur, Zh. M. Wang, G. J. Salamo, T. Warming, D. Bimberg, H. Kissel, *Semicond.* 40, 79-83 (2006).

“Conditional homodyne detection of light with squeezed quadrature fluctuations,” J. Vines, R. Vyas, and S. Singh, *Phys. Rev. A* 74, 023817 (2006).

“Multi-Dark-State Resonance in Cold Multi-Zeeman-Sublevel Atoms,” B. Wang, Y. Han, J. Xiao, X. Yang, C. Xie, H. Wang, and Min Xiao, *Opt. Lett.* 31, 3647 (2006).

“Controlling the Polarization Rotation of an Optical Field via Asymmetry in Electromagnetically Induced Transparency,” B. Wang, S. Li, J. Ma, H. Wang, K.C. Peng, and Min Xiao, *Phys. Rev. A*, 73, 051801(R) (2006).

“Preparation and Determination of Spin-Polarized States in Multi-Zeeman-Sublevel Atoms,” B. Wang, Y. Han, J. Xiao, X. Yang, H. Wang, Min Xiao, and C. Xie, *Phys. Rev. A*, 75, 051801(R) (2007).

“Enhanced Dipole-Dipole Interactions of CdSe/CdS nanocrystal Quantum Dots inside a Planar Microcavity,” X. Wang, C.K. Shih, J. Xu, and Min Xiao, *Appl. Phys. Lett.* 89, 113114 (2006).

“Direct Spectroscopic Evidence for the Formation of One-Dimensional Wetting Wires During the Growth of InGaAs/GaAs Quantum Dot Chains,” Xiaoyong Wang, Zhiming M. Wang, Baolai Liang, Gregory J. Salamo, Chih-Kang Shih, *Nano Lett.* 6, 1847-1851 (2006).

“Nanoholes fabricated by self-assembled gallium nanodrill on GaAs(100),” Zh. M. Wang, B. L. Liang, K. A. Sablon, G. J. Salamo, *Appl. Phys. Lett.* 90, 113120 (2007).

“Controlled Dynamic Instability and Route to Chaos with Three-Level Atoms inside an Optical Ring Cavity,” W. Yang, A. Joshi, H. Wang, and Min Xiao, *Physics (in Chinese)* 35, 202 (2006).

“Self-organization of InAs quantum-dot clusters directed by droplet homoepitaxy,” Zhiming M. Wang, Baolai Liang, Kimberly A. Sablon, Jihoon Lee, Yuriy I. Mazur, Neil W. Strom, Gregory J. Salamo, *Small* 3, 235-238 (2007).

“Structural evolution in strained In<sub>0.18</sub>Ga<sub>0.82</sub>As stacking multilayers on vicinal GaAs surfaces,” V. Yazdanpanah, Zh. M. Wang, J. H. Lee, G. J. Salamo, *New J. Phys.* 8, 233 (Oct 2006).

“Matched Ultraslow Propagation of Highly Efficient Four-Wave Mixing in a Closely Cycled Double-Ladder System,” Y. Zhang, A.W. Brown, and M. Xiao, *Phys. Rev. A* 74, 053813 (2006).

“Modified Two-Photon Absorption and Dispersion of Ultrafast Third-Order Polarization Beats via Twin Noisy Driving Fields,” Y. Zhang, C. Gan, and M. Xiao, *Phys. Rev. A* 73, 053801 (2006).

“Generalized Dressed and Doubly-Dressed Multi-Wave Mixing,” Y. Zhang, M. Xiao, *Opt. Express* 15, 7182 (2007).

“Enhancement of Six-Wave Mixing by Atomic Coherence in a Four-Level Inverted-Y System,” Y. Zhang and M. Xiao, *Appl. Phys. Lett.* 90, 111104 (2007).

“Observation of Interference between Four-Wave Mixing and Six-Wave Mixing,” Y. Zhang, A.W. Brown, and M. Xiao, *Opt. Lett.* 32, 1120 (2007).

### **ARTICLES IN CONFERENCE PROCEEDINGS**

“Fluctuation properties of the optical nondegenerate parametric oscillators near threshold,” Reeta Vyas and Surendra Singh, in *Proc. International Symposium on Quantum Optics*, Eds. P. K. Panigrahi and R. P. Singh (World Scientific, Singapore, 2007), invited paper.

## **INVITED LECTURES**

A partial list of invited and contributed talks, the abstracts of which are published in technical digest, are listed below. Many faculty members do not keep track of invited talks and presentations.

"Pressure Dependence of the Glass-Transition Temperature for Intermediate and Fragile Glass-Forming Systems," Ashley Altom, Haley Beverburg, James Cooper III, Daniel Frost, David Leuschke, Christopher Wells, and William Oliver III, Bull. Am. Phys. Soc. 52, 252 (2007) or <http://meetings.aps.org/link/BAPS.2007.MAR.L27.1>, invited talk.

"Designing and understanding nanowonders from first-principles," L. Bellaiche, Colloquium at Institute of Physics, Prague, Czech Republic, March 27 2007, invited talk.

"Designing and understanding nanowonders from first-principles," L. Bellaiche, ICMAB, Barcelona, Spain, January 18 2007, colloquium.

"Physics for All," A. Hobson, Millikan Award Lecture July 2006, AAPT meeting, Syracuse, invited talk.

"Physics for all," A. Hobson, U Missouri-St. Louis physics colloquium, invited lecture.

"Providing a Quality REU Experience: Recruitment, Retention, & Assessment," William F. Oliver, presented at the Research Experience for Undergraduates (REU)-A Workshop to Discuss Future Development of the REU Program, sponsored by the Division of Materials Research, National Science Foundation, October 19-20, 2006, Portland State University, Portland, Oregon, invited talk.

"Nonlinear dynamics of a pump modulated bidirectional Nd: YAG ring laser," S. Singh and F. Rawwagah, International Symposium on Quantum Optics, Ahmedabad, India (July 2006). Invited Talk

"Coherence and fluctuations properties of optical parametric oscillators near threshold," R. Vyas and S. Singh, International Symposium on Quantum Optics, Ahmedabad, India (July 2006). Invited Talk (R. Vyas).

Tchakhalian, American Physical Society, Denver, Colorado March 5-10 (2007), invited talk.

Tchakhalian, International Conference of Strongly Correlated Systems, Houston. Texas, May 14-18, 2007, invited talk.

Tchakhalian, International Conference of Semiconductors and Insulator materials, Fayetteville, Arkansas, May 15, 2007, invited talk.

Tchakhalian, Nano-Center, Paul Scherer Institute, Willigen, Switzerland. June 18, 2007, invited talk.

“Comparative study of vacancy formation energies in  $\text{PbTiO}_3$  and  $\text{BaTiO}_3$ ,” Zeyad Alahmed and H. Fu, at international conference of Fundamental Physics of Ferroelectrics, Williamsburg, Virginia, Feb. 12-14 (2007), contributed talk.

“Electronic structure and electromechanical properties in ZnO under inplane strain, Special presentation,” Zeyad Alahmed and H. Fu, Semiconducting and Insulating Materials Conferences, May 15-20 (2007).

“Ferroelectric Nanoscale Domain Structures computed by Finite Element,” D. Albrecht, D. Aubry, L. Bellaiche and B. Dkhil, 2007 Workshop on Fundamental Physics of Ferroelectrics; Williamsburg, Virginia, Feb. 11-14, 2007, presentation.

“Unusual phenomena in ferroelectrics,” L. Bellaiche, Huaxiang Fu, I. Kornev, Bo-Kuai Lai, Sergey Lisenkov, Ivan I. Naumov, I. Ponomareva, Sergey Prosandeev and G.J. Salamo, 14th Semiconducting and Insulating Materials Conference (SIMC-XIV) Fayetteville, Arkansas, May 15-20, 2007, invited presentation.

“Novel depolarizing-field-induced phenomena in ferroelectric nanostructures,” L. Bellaiche, I. Kornev, Bo-Kuai Lai, Sergey Lisenkov, I. Ponomareva, Sergey Prosandeev, and R. Resta, 2007 Workshop on Fundamental Physics of Ferroelectrics, Williamsburg, Virginia, Feb. 11-14, 2007, presentation.

“Unusual phenomena in ferroelectrics,” L. Bellaiche, P. Bouvier, B. Dkhil, Huaxiang Fu, P.-E. Janolin, I. Kornev, J. Kreisler, Bo-Kuai Lai, Sergey Lisenkov, Ivan I. Naumov, I. Ponomareva, Sergey Prosandeev, G.J. Salamo, and E. Suard, International Symposium on Integrated Ferroelectrics (ISIF) 2007; Bordeaux, France; May 8-12, 2007, invited presentation.

“Selection and Discovery of Quasars at High Redshift Through Infrared and Optical Imaging,” S. Bursick and J. Kenefick, Am. Astron. Soc. Meeting, 210, Feb. 14 (2007), poster presentation.

“Teaching quantum physics without paradoxes in introductory physics courses,” A. Hobson, AAPT meeting, Syracuse, July 2006, poster presentation.

“Physics for all,” A. Hobson, UA physics colloquium, 15 Sep. 2006.

“Infrared Imaging of SDSS Quasars: Implications For The Quasar K-correction,” J. D. Kenefick and S. Bursick, Am. Astron. Soc. Meeting, 210, 112.01 (2007), oral presentation.

“Phase diagram of  $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3$  solid solutions from first principles,” Igor A. Kornev, L. Bellaiche, P.-E. Janolin, B. Dkhil and E. Suard, 2007 Workshop on Fundamental Physics of Ferroelectrics; Williamsburg, Virginia, Feb. 11-14, 2007, presentation.

“First-principles study of electric-field-induced domain evolution in ferroelectric ultrathin films,” Bo-Kuai Lai, I. Ponomareva, I. I. Kornev, L. Bellaiche and G. J. Salamo, 2007 Workshop on Fundamental Physics of Ferroelectrics; Williamsburg, Virginia, Feb. 11-14, 2007, presentation.

“Vortex-to-polarization phase transformation path in  $\text{Pb}(\text{ZrTi})\text{O}_3$  nanoparticles,” I. Naumov and H. Fu, international conference of Fundamental Physics of Ferroelectrics, Williamsburg, Virginia, Feb. 12-14, 2007, poster.

“Gamma-phonons in  $\text{ZnSe}(\text{C}_2\text{H}_8\text{N}_2)_{1/2}$  and  $\text{ZnTe}(\text{C}_2\text{H}_8\text{N}_2)_{1/2}$  hybrid materials,” I. Naumov and H. Fu, Annual APS March meeting, Denver, Colorado, Mar. 4-9, (2007), contributed talk.

“Student-Developed Computer Projects in the Undergraduate Curriculum,” William Oliver, presented at the 2007 New Faculty Workshop Reunion meeting held at the American Center for Physics, College Park, Maryland, June 25-27, 2007, presentation.

“Unusual phenomena in nanodots of ferroelectrics,” S. Prosandeev, I. Ponomareva, I. Kornev, I. Naumov and L. Bellaiche, 2007 APS March Meeting; Denver, Colorado, Mar. 5-9, 2007, invited presentation.

“Improvement of Moderate Redshift Quasar Surveys Utilizing Infrared and Optical Data,” A. Stewart, S. Bursick, J. Kennefick, E. Glikman and S. Djorgovski, Am. Astron. Soc. Meeting, 210, Feb.13 (2007), poster presentation.

“Quasar Variability and Black Hole Mass with the NFO Webscope,” J. Walton, B. Fleming, T. Thomas and J. Kennefick, Am. Astron. Soc. Meeting, 210, Feb. 01 (2007), poster presentation.

“First-principles study of in-plane strain effects on the polarization in  $\text{PbTiO}_3/\text{SrTiO}_3$  1x1 superlattices,” Y. Yao and H. Fu, international conference Fundamental Physics of Ferroelectrics, Williamsburg, Virginia, Feb.12-14 (2007), poster.

### **OTHER PUBLICATIONS AND CONTRIBUTIONS**

“Science literacy and backward priorities,” A. Hobson The Physics Teacher, 488-489 (Nov 2006), guest editorial.

“Millikan Award Lecture, 2006: Physics for All,” A. Hobson, Am. J. Phys., 1048-1054 (Dec 2006).

“Thoughts on pseudoscience,” A. Hobson, The Physics Teacher Sep 2006, 327, letter.

“Teaching  $E=mc^2$ : Mass without Mass,” A. Hobson, (The Physics Teacher Feb 2005) translated into Turkish and published in Sci. and Technol., a journal of the Science and Technology Research Council of Turkey, 458, 74-75 (2006).

“Distance Across the Cosmos: From Hipparchus to the Accelerating Universe,” J.D. Kennefick, February 21, 2007, Arkansas Public Lectures in Space and Planetary Science, Arkansas Space Center, public talk.

“Domains in Ferroelectric Nanostructures from First Principles,” Igor A. Kornev, B.-K. Lai, I. Naumov, I. Ponomareva, H. Fu, and Laurent Bellaiche in Advanced Dielectric, Piezoelectric and

Ferroelectric Materials - Synthesis, Characterization and Applications, edited by Professor Zuo-Guang Ye, Woodhead Publishing Limited (October 2006), invited review.

“The Eclipsing Binary V1061 Cygni: Confronting Stellar Evolution Models for Active and Inactive Solar-Type Stars,” G. Torres, C.H. Lacy, L.A. Marschall, H.A. Sheets, & J.A. Mader, International Astronomical Union Symposium, 240, 177 (2006).

## **Political Science**

### **BOOKS PUBLISHED**

Najib Ghadbian, *The Second Asad Regime: Bashar of Lost Opportunities* (Beirut & Jeddah: Markaz al-Rayah) 2006. (in Arabic)

### **REFEREED ARTICLES PUBLISHED**

Andrew Dowdle, “The Protomodern Presidency: How the Office Changed During the Gilded Age,” *White House Studies*, Vol 6, Issue 1.

Myria Allen, Deb Armstrong, Cindy Riemenschneider and Margaret Reid, “Making Sense of the Barriers Women Face in the IT Work Force,” *Sex Roles: A Research Journal*, 54: 831-844.

Will Miller and A. Felix, “Sources of Information and the Development of Health Policy in Arkansas” *Midsouth Political Science Review*.

Will Miller and Janine Parry “The Great Negro State of the Country?” *Black Legislators in Arkansas: 1973-2000*, *Journal of Black Studies*, 36(6): 833-872.

Margaret Reid and William Schwab, “Barriers to Sustainable Development: Jordan’s Search for a Sustainable Tourism Strategy,” *Journal of Asian and African Studies*, 41, 5/6: 439-457.

Jeff Ryan, Jorge Alatorre, and William D. Schreckhise, “Governmental Transparency and Ethics in Arkansas and Jalisco: A Comparative Case Study of State Ethics Reform in Jalisco and Arkansas,” *Public Integrity* 8(4): 349-366.

William Schreckhise, “The Costs and Benefits of Mail, Fax, and Mixed-Mode Surveys in Organizational Research,” *Public Administration Quarterly* 29(4): 492-510.

William Schwab and Margaret Reid, “Applying the Principles of Cultural Resource Management to Economic Development through Sustainable Tourism” *International Journal of Environmental Culture, Economic and Social Sustainability* 1(1): 156-165.

Cindy Riemenschneider, Deb Armstrong, Margaret Reid and Myria Allen, “Challenges and Barriers Facing Women in the IT Workforce,” *The DATABASE for Advances in Information Systems: Special Section of IT Personnel Research*, 37, 4:58-78.

## **INVITED LECTURES AND CONFERENCE PAPERS**

Patrick Conge, "Inventions as Illusions: The Special Relationship and Separate Ideals of the United States and Saudi Arabia" in *America in the Middle East: The Middle East in America*; Patrick McGreevy, editor: Proceeding of the International Conference, Beirut Lebanon, December 2005, Beirut: American University of Beirut, 2006; 167-79.

Andrew Dowdle, "Progressive Ambition and Presidential Nominations, 1972-2004," paper presented at the annual meeting of the American Political Science Association, Philadelphia, PA, September 2006.

Najib Ghabbian, "Islam, Democracy & Development: Challenges for the Arab World," paper presented at the NFU Annual Conference sponsored by the Norwegian Association for Development, Oslo, Norway, September 2006.

Najib Ghabbian, "Institutions, Culture, & Democratization in the Arab World, presentation given to A Symposium on Democracy: Prospects for Democracy in the Middle East, Westminster College, Fulton, MO, September 2006.

Najib Ghabbian, "Al-Jazeera Satellite TV Station: Ten Years Later," presentation given at Oklahoma State University, Stillwater, OK, October 2006.

Brinck Kerr, William Miller, Margaret Reid, and William Schreckhise, "When Does Politics Matter? A Re-examination of the Determinants of Ethnic-Based Municipal Employment Patterns," paper presented at the Southwestern Political Science Association, San Antonio, TX, April 2006. (Received the Jewel Prestage Award for the best paper on Race, Ethnicity, Gender and Political Behavior).

Todd G. Shields and Sunshine Hillygus, "The Persuadable Voter: Strategic Candidates and Wedge Issues in Political Campaigns," paper presented at the annual meeting of the American Political Science Association, Philadelphia, PA, 2006.

Todd Shields and Sunshine Hillygus, "Ideological and Partisan Incongruities in Presidential Voting," paper presented at the Southern Political Science Association, New Orleans, LA, 2005.

Song Yang and Margaret Reid. "Adoption and Implementation of Flexible Work Arrangements: A Cross-Level Analysis," paper presented at the meeting of the American Sociological Association, Montreal, Canada, August 2006.

## **Psychology**

## **BOOKS**

Cavell, T.A., & Malcolm, K. (2006). *Anger, Aggression, and Interventions for Interpersonal Violence*. Mahwah, NJ: Lawrence Erlbaum Associates, Inc.

Dovidio, J.F., Piliavin, J.A., Schroeder, D.A., & Penner, L.A.,(2006). The Social Psychology of Prosocial Behavior. Mahwah, NJ: Lawrence Erlbaum Associates. (550 manuscript pages; writing responsibilities were divided equally among the coauthors)

## **BOOK CHAPTERS**

Behrend, D.A., & Scofield, J. (2006). Verbs, actions, and intentions. In R. Golinkoff & K. Hirsh-Pasek (Eds.), *When Action Meets Word* (pp. 286-307). Oxford: Oxford University Press.

Bembenek, A. F., Beike, D. R. & Schroeder, D. A. (2007). Justice violations, emotional reactions, and justice-seeking responses. To appear in De Cremer, D, (Ed.), *Advances in the Psychology of Justice and Emotions*. Greenwich, CT: Information Age Publishing.

Cavell, T.A., & Elledge, L. C. (2007). Working with parents of aggressive, school age children. In J. Briesmeister & C. Schaefer (Eds.), *Handbook of Parent Training* (3<sup>rd</sup> ed.), John Wiley & Sons.

Cavell, T.A., & Malcolm, K. (2007). The anger-aggression relation. In T. A. Cavell & K. Malcolm (Eds.), *Anger, Aggression, and Interventions for Interpersonal Violence*. Mahwah, NJ: Lawrence Erlbaum Associates, Inc.

Cavell, T.A., Hymel, S., Malcolm, K., & Seay, A. (2006). Socialization and the development of antisocial behavior: Models and interventions. In J. E. Grusec & P. D. Hastings (Eds.). *Handbook of Socialization* (pp. 42-67). New York: Guilford Press.

Knowles, E. S., & Riner, D. D. (2006). Omega approaches to persuasion: Overcoming resistance. In A. Pratkanis (Ed.), *Handbook of persuasion*. New York: Psychology Press.

Knowles, E. S. (2006). Resistance to persuasion. In R. Baumeister & K. Vohs (Eds), *Encyclopedia of Social Psychology*. Newbury Park, CA: Sage.

Neuschatz, J. S., Lampinen, J. M., Toglia, M.P., Payne, D.G. & Preston E. (2007). False memory research: History, theory, and applied implications. In M.P.Toglia, J. D. Read, D. F. Ross, & R. C. L. Lindsay (Eds), *Handbook of Eyewitness Psychology Volume I: Memory for Events*. Mahwah, NJ: Lawrence Erlbaum and Associates.

Leen-Feldner, E. W., Zvolensky, M. J., & Feldner, M. T. (2006). A test of a cognitive diathesis-stress model of panic vulnerability among adolescents. In A. J. Sanfeliippo (Ed.), *Focus on Panic Disorder Research* (pp. 41-64). Hauppauge, NY, Nova Science Publishing.

Bernstein, A., Leen-Feldner, E. W., Kotov, R., Schmidt, N. B., & Zvolensky, M. J. (2006). Test of a panic-relevant diathesis-stress model using a taxonic index of anxiety sensitivity. In A. J. Sanfeliippo (Ed.), *Panic Disorder: New Research*. (pp. 15 – 40). Hauppauge, NY, Nova Science Publishers.

Leen-Feldner, E. W., Zvolensky, M. J., & Feldner, M. T. (2006). A test of a cognitive diathesis-stress model of panic vulnerability among adolescents. A. J. Sanfelippo (Ed.), *Panic Disorder: New Research*. (pp. 41 – 64). Hauppauge, NY, Nova Science Publishing.

Lohr, J.M., Hamberger, L.K., Witte, T.H., & Parker, L.A. (2006). Scientific evidence for domestic violence treatment. In J. Fisher & W. O'Donohue (Eds.), Practitioners guide to evidence-based psychotherapy (pp. 258-265). New York: Springer.

Olatunji, B.O., Lohr, J.M., & Bushman, B. (2006). The pseudopsychology of venting in the treatment of anger: Implications and alternatives in mental healthpractice. In T.A. Cavell, & K. Malcolm (Eds.), Anger, aggression, and interventions for interpersonal violence. Hillsdale, NJ: Erlbaum.

Schroeder, D.A., Bembek, A.F., Kinsey, K., Steel, J.E., & Woodell, A.J. (2006). A recognition of necessity and changing justice motives in social dilemmas. In A. Biel, D. Eek, T. Garling, & M. Gustafson (Eds.), New Issues and Paradigms in Research on Social Dilemmas. Berlin: Springer.

Williams, N. L., Elwood, L. S., & Riskind, J. H. (2006). A cognitive-behavioral approach to attachment and change. In J. H. Obegi & E. Berant (Eds.), *Clinical Applications of Adult Attachment*. Guilford Publications.

Williams, N. L., Connolly, K. M., Elwood, L. S., Willems, J. L., Lohr, J. M. (2006). Disgust: A cognitive approach. In D. McKay & B. O. Olatunji (Eds.), *Disgust and Disgust-Related Disorders*.

Riskind, J. H., & Williams, N. L. (2006). A unique vulnerability common to all anxiety disorders: The looming maladaptive style. In L. B. Alloy & J. H. Riskind (Eds.), Cognitive vulnerability to emotional disorders. (pp. 175 – 206). Mahwah, NJ, Lawrence Erlbaum Associates Publishers.

## **REFEREED ARTICLES**

Darling, N., Cavell, T.A., Bogat, A., Murphy, S. E., & Sanchez, B. (2006). Gender, ethnicity, development, and risk: Mentoring and the consideration of individual differences. *Journal of Community Psychology*, 34, 765-780.

Feldner, M. T., Zvolensky, M. J., Stickle, T. R., Bonn-Miller, M. O., & Leen-Feldner, E. W. (2006). Anxiety sensitivity as a moderator of the emotional consequences of emotion suppression during biological challenge: An experimental test using individual growth curve analysis. *Behaviour Research and Therapy*, 44, 249-272.

Feldner, M. T., Hekmat, H., Zvolensky, M. J., Vowles, K. E., Sechrist, Z., & Leen-Feldner, E. W. (2006). The role of experiential avoidance in acute pain tolerance: A laboratory test. *Journal of Behavior Therapy and Experimental Psychiatry*.

Babson, K. A., Feldner, M. T., Sachs-Ericsson, N., Schmidt, N. B., & Zvolensky, M. J. (in press). Nicotine dependence mediates the relations between insomnia and both panic and posttraumatic stress disorder in the NCS-R sample. *Depression and Anxiety*

Bernstein, A., Zvolensky, M. J., Norton, P. J., Schmidt, N. B., Taylor, S., Forsyth, J. P., Lewis, S. F., Feldner, M. T., Leen-Feldner, E. W., Stewart, S. H., & Cox, B. (2007). Taxometric and factor analytic models of anxiety sensitivity: Integrating approaches to latent structural research. *Psychological Assessment, 19*, 74-87.

Feldner, M. T., Babson, K. A., & Zvolensky, M. J. (2007). Smoking, traumatic event exposure, and posttraumatic stress: A critical review of the empirical literature. *Clinical Psychology Review, 27*, 14-45.

Feldner, M. T., Babson, K. A., Zvolensky, M. J., Vujanovic, A. A., Lewis, S. F., Gibson, L. E., Monson, C. M., & Bernstein, A. (2007). Posttraumatic stress symptoms and smoking to reduce negative affect: An investigation of trauma-exposed daily smokers. *Addictive Behaviors, 32*, 214-227.

Feldner, M. T., Monson, C. M., & Friedman, M. J. (2007). A critical analysis of approaches to targeted PTSD prevention: Current status and theoretically-derived future directions. *Behavior Modification, 31*, 80-116.

Leen-Feldner, E. W., Zvolensky, M. J., van Lent, J., Vujanovic, A. A., Bleau, T., Bernstein, A., Bielawski-Branch, A., & Feldner, M. T. (2007). Anxiety sensitivity moderates tobacco smoking in regard to panic attack symptoms and bodily complaints: A concurrent test among adolescents. *Journal of Psychopathology and Behavioral Assessment, 29*, 69-79.

Vujanovic, A. A., Zvolensky, M. J., Bernstein, A., Feldner, M. T., & McLeish, A. C. (2007). A test of the interactive effects of anxiety sensitivity and mindful attention in the prediction of anxious arousal, agoraphobic cognitions, and body vigilance. *Behaviour Research and Therapy, 45*, 1393-1400.

Zvolensky, M. J., Bernstein, A., Cardenas, S. J., Colotla, V. A., Marshall, E. C., & Feldner, M. T. (2007). Anxiety sensitivity and early relapse to smoking: A test among Mexican daily, low-level smokers. *Nicotine and Tobacco and Research, 9*, 483-491.

Feldner, M. T., Hekmat, H., Zvolensky, M. J., Vowles, K. E., Sechrist, Z., & Leen-Feldner, E. W. (2006). The role of experiential avoidance in acute pain tolerance: A laboratory test. *Journal of Behavior Therapy and Experimental Psychiatry, 37*, 146-158.

Feldner, M. T., Leen-Feldner, E. W., Zvolensky, M. J., & Lejuez, C. W. (2006). Examining the association between rumination, negative affectivity, and negative affect induced by a paced auditory serial addition task. *Journal of Behavior Therapy and Experimental Psychiatry, 37*, 171-187.

Feldner, M. T., Lewis, S. F., Leen-Feldner, E. W., Schnurr, P. P., & Zvolensky, M. J. (2006). Anxiety sensitivity as a moderator of the relation between trauma exposure frequency and posttraumatic stress symptomatology. *Journal of Cognitive Psychotherapy: An International Quarterly*, 20, 201-213.

Feldner, M. T., Zvolensky, M. J., Stickle, T. R., Bonn-Miller, M. O., & Leen-Feldner, E. W. (2006). Anxiety sensitivity as a moderator of the emotional consequences of emotion suppression during biological challenge: An experimental test using individual growth curve analysis. *Behaviour Research and Therapy*, 44, 249-272.

Gregor, K., Zvolensky, M. J., Leen-Feldner, E. W., Yartz, A. R., & Feldner, M. T. (2006). Perceived health: A test of incremental validity in relation to smoking outcome expectancies, motivation to smoke, and desire to quit smoking. *Cognitive Behaviour Therapy*, 35, 28-42.

Leen-Feldner, E. W., Feldner, M. T., Tull, M. T., Roemer, L., & Zvolensky, M. J. (2006). An examination of worry in relation to anxious responding to voluntary hyperventilation among adolescents. *Behaviour Research and Therapy*, 44, 1803-1809.

Leen-Feldner, E. W., Reardon, L. E., McKee, L. G., Feldner, M. T., Babson, K. A., & Zvolensky, M. J. (2006). The interactive role of anxiety sensitivity and pubertal status in predicting anxious responding to bodily sensations among adolescents. *Journal of Abnormal Child Psychology*, 34, 797-810.

Vujanovic, A. A., Zvolensky, M. J., Gibson, L. E., Lynch, T. R., Leen-Feldner, E. W., Feldner, M. T., & Bernstein, A. (2006). Affect intensity: Association with anxious and fearful responding to bodily sensations. *Journal of Anxiety Disorders*, 20, 192-206.

Zvolensky, M. J., Bernstein, A., Marshall, E. C., & Feldner, M. T. (2006). Panic attacks, panic disorder, and agoraphobia: Associations with substance use, abuse, and dependence. *Current Psychiatry Reports*, 8, 279-285

Zvolensky, M. J., Bonn-Miller, M. O., Bernstein, A., McLeish, A. C., Feldner, M. T., & Leen-Feldner, E. W. (2006). Anxiety sensitivity interacts with marijuana use in the prediction of anxiety symptoms and panic-related catastrophic thinking among daily tobacco users. *Behaviour Research and Therapy*, 44, 907-924.

Zvolensky, M. J., Bonn-Miller, M. O., Feldner, M. T., Leen-Feldner, E., McLeish, A. C., & Gregor, K. (2006). Anxiety sensitivity: Concurrent association with negative affect smoking motives and abstinence self-confidence among young adult smokers. *Addictive Behaviors*, 31, 429-439.

Zvolensky, M. J., Sachs-Ericsson, N., Feldner, M. T., Schmidt, N. B., & Bowman, C. (2006). Neuroticism moderates the effect of maximum smoking level on lifetime panic disorder: A test using an epidemiologically defined national sample of smokers. *Psychiatry Research*, 141, 321-332.

Lampinen, J. M., Leding, J. K., Reed, K.B., & Odegard, T.N. (2006). Global gist extraction in children and adults. *Memory*, 14, 952-964.

Lampinen, J. M. & Odegard, T. N. (2006). Memory editing mechanisms. *Memory*, 14, 649-654.

Lampinen, J.M., Watkins, K.N., & Odegard, T.N. (2006). Phantom ROC: Recollection rejection in a hybrid conjoint recognition signal detection model. *Memory*, 14, 655-671.

Odegard, T. N. & Lampinen, J. M. (2006). Memory editing: Knowledge, criteria, and alignment. *Memory*, 14, 777-787.

Kees, J., Creyer, E. H., Knowles, E. S. (2006). Re-examining smokers' perceived vulnerability to disease: Self-report measures may not tell the whole story. *European Advances in Consumer Research*, 7.

Olatunji, B.O., Williams, N.L., Sawchuk, C.N., & Lohr, J.M. (2006). Disgust, anxiety and fainting symptoms associated with blood-injection-injury fears: A structural model. *Journal of Anxiety Disorders*, 20, 23-41.

Riskind, J. H., & Williams, N. L., & Joiner, T. E. (2006). The Looming Cognitive Style: A cognitive vulnerability for anxiety disorders. *Journal of Social and Clinical Psychology*, 25, 779 – 801.

Williams, N. L., Olatunji, B. O., Elwood, L. S., Connolly, K. M., & Lohr, J. M. (2006). Cognitive vulnerability to disgust: Development and validation of the Looming of Disgust Questionnaire. *Anxiety, Stress, and Coping*, 19 365 – 382.

## **Social work**

### **BOOKS**

Christy-McMullin

Christy-McMullin, K. (2006). Instructor's Manual for R.K. Chapin (2006). *Social Policy for Effective Practice: A Strengths Approach*. Boston, MA.: McGraw Hill.

### **PRINT PUBLICATIONS IN PEER-REVIEWED JOURNALS**

Christy-McMullin, K. & Shobe, M. A. (2007). The role of economic resources and human capital with woman abuse. *Journal of Policy Practice*, 6(1), 3-26.

Shobe, M. A., Christy-McMullin, K., & Kandel, D. (2007). Building capital for the future: Savings experiences of African American women. *Social Development Issues*, 29(1).

Christy-McMullin, K. (2006). An evidenced-based approach to a theoretical understanding of the relationship between economic resources, race/ethnicity, and woman abuse. Journal of Evidenced-Based Social Work, 3(2), 1-30.

Shobe, M.A. & Christy-McMullin, K. (2006). Joining an asset building program: The social and economic correlates. Journal of Evidenced-Based Social Work, 3(1), 61-78.

### **PRINT PUBLICATIONS IN PEER-REVIEWED JOURNALS**

Taylor, M.J., & Stauss, K. (2006). Native American women who lead human service organizations. Journal of Ethnic and Cultural Social Work, 15(1/2), 123-147

Stauss, K. (2007). Exploring knowledge management and knowledge sharing in a non-profit human service organization. Journal of Information & Knowledge Management, 6(1) 69-77

Under Editorial Review/Work In Progress

### **BOOK REVIEWS**

Christy-McMullin, K. (2007). Welfare reform in persistent rural poverty: Dreams, disenchantments, and diversity. Pickering, K., Harvey, M.H., Summers, G.F. & Mushinski, D. (2006). Journal of Contemporary Sociology, 36(3), 228-229

### **PROCEEDINGS**

King

Proceedings of Southwestern Social Work Association Proceedings – editor

### **NON-REFEREED**

Murphy, S. Yvette (2006). [Review of book] Communities of care: Assisted living for African American elders. Journal of Women and Aging, 18(4), 83-85

### **Sociology**

### **PUBLICATIONS**

Shields, Christopher, Kelly Damphousse, and Brent Smith 2006, “Their Day in Court: Assessing Guilty Plea Rates Among Terrorists,” Journal of Contemporary Criminal Justice. 22(3): 261-276.

Smith, Brent L. 2007, “The Theory and Practice of Responding to Terrorism: Guest Editors Comments,” Journal of Contemporary Criminal Justice,. 23(2):140-141.

Damphousse, Kelly and Christopher Shields 2007, "The Morning After: Assessing the Effect of Major Terrorism Events on Prosecution Strategies and Outcomes," *Journal of Contemporary Criminal Justice*, 23(2):174-194.

Paxton Roberts, Kelly Damphousse, Chris Shields, Tad Sours, and Brent Smith 2007, "The Unabomber: Theodore John Kaczynski," Forthcoming in Steven Chermak and Frankie Bailey (eds.) *Famous Crimes and Trials*, Westport, CT: Praeger Publishing.

### **WORKS IN PROGRESS**

Brent Smith, Kelly Damphousse, and Paxton Roberts, *Patterns of American Terrorism*. Alta Mira Press, Under Contract.

Kelly Damphousse and Brent Smith, *American Terrorism*, Under Contract.

### **Arkansas Water Resources**

### **LIST OF PUBLICATIONS**

Abanda, P.A. and R. Hannigan. 2006. Diagenetic controls of trace element partitioning in shales. *Chemical Geology*, 230: 42-59.

Abro, I and R.K. Davis, 2006, Institutional Reforms in the Water Sector of Pakistan. In: *Ground Water and Surface Water Under Stress: Competition, Interaction, Solutions*. Proceedings 2006 USCID Water Management Conference, editors: D. Wichelms and S. Anderson. U.S. Committee on Irrigation and Drainage, pp. 297-309.

Boss, S.K. and J.A. Patton, 2006, Sedimentation in Beaver Lake: An Ozark Mystery?, Arkansas Water Resources Center Annual Conference, 18-19 April 2006, University of Arkansas, Fayetteville, Arkansas (CD).

Brye, K.R., and A.L. Pirani, 2006, Metal uptake by tall fescue (*Festuca arundinacea*) as affected by poultry litter application, *Grass For. Sci.*, 61: 192-199.

Cox, L. and R. Hannigan. 2006. Organomercury Speciation in Black Shale Bedrock Streams. Society of Environmental Toxicology and Chemistry North American Meeting, Montreal Quebec Canada, Nov 5-9.

Davis, R.K., E. Saul, and F. Kitto, 2006, Santee Sioux Nation Tribal Water Quality Management Plan. Report Submitted to EPA Assistance #I-98745201-1. Santee Sioux Nation Open File Report, Santee, Nebraska, 19p.

Davis, R.K., E. Saul, and F. Kitto, 2006, Surface Water Quality Standards within the Reservation of the Santee Sioux Nation, 106 – Water Quality Management Program Development Of Tribal Water Quality Standards – Phase I. Report Submitted to EPA Assistance # I-98754201-1. Santee Sioux Nation Open File Report, Santee, Nebraska, 41p.

Davis, R.K. and S. Shepherd, 2007, Beaver Lake Water Quality Criteria Development: - Subpart A: Beaver Lake Use and Subpart B: Synthesis of State Water Quality Criteria For Lakes and Reservoirs and U.S. EPA Nutrient Criteria Approaches. Submitted to Arkansas Department of Environmental Quality. 53 p.

Davis, R.K., 2006, Arkansas Water Resources Center Annual Technical Report to USGS. Available on-line at [www.niwr.org](http://www.niwr.org).

Ekka, S.A., B.e. Haggard, M.D. Matlock, I. Chaubey. 2006. Dissolved phosphorus concentrations and sediment reactions in effluent-dominated Ozark streams. *Ecological Engineering* 26, 375-391.

Haggard, B.E. and T.S. Soerens. 2006. Sediment phosphorus release at a small impoundment on the Illinois River, Arkansas and Oklahoma, USA. *Ecological Engineering* 28, 280-287.

Hays, Phillip, Jozef Laincz, Byron Winston, Susan Ziegler, Indrajeet Chaubey, Tim Kresse, Van Brahana, 2006, Elucidation of N-Proceeding within a Mantled Karst Watershed, AWRC Conference Proceedings [CD].

Hays, Phillip, Susan Ziegler, Jozef Laincz, Byron Winston, 2006, Nitrogen Transport and cycling in the interflow zone of a mantled karst watershed in Northwest Arkansas, *Geological Society of America Abstracts with Programs*, Vol. 38, No. 7, p. 195.

Hignight, J., E.J. Wailes, J. Popp, and J. Smartt. 2006. Investing in On-Farm Reservoirs Under Alternative Land Tenure Arrangements. B.R. Wells Rice Research Studies 2005. Arkansas Agricultural Experiment Station Research Series 540, pp. 413-419.

Hill, J.E. Wailes, M. Popp, J. Popp, K. Young and B. Watkins. 2006. Surface Water Diversion Impacts on Farm Income and Sources of Irrigation Water: The Case of the Grand Prairie in Arkansas. *J. Soil and Water Conservation* 61(4): 185-191.

Johnson, T, R.K. Davis, D. Zachry, and J.V. Brahana, 2006, Detailed Geologic Map for Forum Quadrangle, Arkansas Including a Karst Inventory. *Geological Society of America Abstracts with Programs*, v. 38, no. 7.

Johnson, T. and R.K. Davis, 2007, Delineation of point and nonpoint sources within the Kings River and Longs Creek watersheds, Northwest Arkansas. Arkansas Water Resources Center Annual Conference., April 24-25, 2007 (poster presentation)[CD].

Kim, B., K.F. Steele and T. Fugitt. 2006. Comparison of Dissolved and Acid-Extractable Metal Concentrations of Ground Water, Eastern Arkansas, USA, *Journal of Environmental Informatics*, Vol. 7, p. 56-65.

Kim, B. and K.F. Steele. 2005. Application of geologic information for ground-water quality management. *Proceedings of the XXXI International Hydrologic Resources Congress*, Seoul, Korea, p. 5577-5585.

Kim, B, M. Sharif, T. Kresse, J. Fazio, J. Cothren, R.K. Davis, and K. Steele, 2006, Comparison of Potentiometric Maps Produced by Densely Designed Measurement Points, and USGS 7.5' Manual Elevation Picks for the Alluvial Aquifer of Eastern Arkansas. Geological Society of America Abstracts with Programs, v. 38, no. 7.

Kurz, M.J., J.A. Patton and S.K. Boss, 2006, Comparative geomorphic analysis of three sub-watersheds of Beaver Reservoir, northwest Arkansas, Geological Society of America Annual Meeting Abstracts with Programs, v. 38, No. 7, p. 353.

Laincz, Jozef, 2005, A biogeochemical/hydrological approach to characterize transport and cycling of nitrogen in mantled karst watershed: AWRC Conference Proceedings [CD].

Lyerly, M.S., S. Coghlan, Jr., T. Bly, J. Williams, D. Bowman and R. Hannigan. 2006. Otolith microchemistry discriminates between hatchery and wild salmonines in the Little Red River, AR, tailwater system. 136th Annual Meeting of the American Fisheries Society, Lake Placid NY, Sep 10-14.

McKay, T. and C.B. Dowling. 2006. The effects of metal-rich poultry litter on ground beetles (oral), 80th Annual Meeting of the Southeastern Branch Entomological Society of America, Wilmington, NC.

Medlin, E., S. Coghlan Jr., R. Hannigan. 2006. Discrimination Among Walleye Stocks of Three Tributaries of the Upper Little Red River Using Otolith Microchemistry. 136th Annual Meeting of the American Fisheries Society, Lake Placid NY, Sept 10-14.

Nelson, M.A., 2006, Illinois River 2005 Pollutant Loads at Arkansas Highway 59 Bridge, Arkansas Water Resources Center Publication No. MSC-332.

Nelson, M.A., 2006, Water Quality Sampling, Analysis and Annual Load Determinations for TSS, Nitrogen and Phosphorus at the Washington County Road 76 Bridge on Ballard Creek, Arkansas Water Resources Center Publication No. MSC-329.

Nelson, M.A., 2006, 2005 Pollutant Loads Kings River Near Berryville, Arkansas Water Resources Center Publication No. MSC-333.

Nelson, M.A., 2006, Water Quality Sampling, Analysis, and Annual Load Determinations for TSS, Nitrogen and Phosphorus at the Washington County Road 195 Bridge on the West Fork of the White River, Arkansas Water Resources Center Publication No. MSC-335.

Nelson, M.A., 2006, Water Quality Sampling, Analysis and Annual Load Determinations for Nutrients and Sediment at the Arkansas Highway 45 Bridge on the White River Just Above Beaver Lake, Arkansas Water Resources Center Publication No. MSC-331.

Nelson, M.A., 2006, Water Quality Sampling, Analysis and Annual Load Determinations for TSS, Nitrogen and Phosphorus at the L'Anguille River Near Palestine, Arkansas Water Resources Center Publication No. MSC-334

Nelson, M.A., 2006, Water Quality Sampling, Analysis and Annual Load Determinations for TSS, Nitrogen and Phosphorus in the Bayou Bartholomew at Garrett Bridge, AR and Near Portland, AR Water Resources Center Publication No. MSC-330

Patton, J.A. and S.K. Boss, 2007, Selected Trace and Major Element Concentrations of Beaver Lake Sediment Cores: Arkansas Water Resources Center Annual Conference, 24-25 April 2007, Fayetteville, Arkansas (CD).

Patton, J.A. and S.K. Boss, 2006, Fusion of disparate data sets in quantifying reservoir sedimentation, Geological Society of America Annual Meeting Abstracts with Programs, v. 38, No. 7, p. 137.

Patton, J.A. and S.K. Boss, 2005, Influence of land use change on reservoir sedimentation: A comparative study, Geological Society of America annual Meeting Abstracts with Programs, v. 37, No. 7, p. 354.

Pirani, A.L., K.R. Brye, T.C. Daniel, B.E. Haggard, E.E. Gbur and J.D. Mattice. 2006. Soluble metal leaching from a poultry-litter-amended Udult under pasture vegetation. *Vadose Zone J.*, 5:1017-1034.

Savin, M., 2007, Antibiotic resistance in aquatic bacteria downstream from effluent discharge, 2007 Arkansas Water Resources Center Conference, University of Arkansas, Fayetteville, Arkansas, April 24-25, 2007[CD].

Sharif, M, R.K. Davis, B. Kim, K. Steele, T. Kresse, and J. Fazio, 2006, Lithologic and Recharge Controls on the Spatial Variability of Arsenic in the Mississippi River Valley Alluvial Aquifer. Geological Society of America Abstracts with Programs, v. 38, no. 7.

Sharif, M.U., R.K. Davis, K.F. Steele, B. Kim, T.M. Kresse, J.A. Fazio, 2007, Distribution and variability of redox zones controlling spatial variability of arsenic in the Mississippi River Valley alluvial aquifer, southeastern Arkansas, Arkansas Water Resources Center Annual Conference., April 24-25, 2007 (oral presentation)[CD].

Shepherd, S., R.K. Davis, and I. Chaubey, 2006, Beaver Lake Watershed Atlas: A Community Resource for Protecting and Preserving the Watershed. Geological Society of America Abstracts with Programs, v. 38, no. 7.

Varnell, C.J. and J.V. Brahana. 2006. Establishing hydraulic connections between flooded underground coal mines using continuous monitoring of surface flood pulses: Geological Society of America Abstracts with Programs, v. 38, no. 6.

Winston, Byron, 2006, "MS Thesis," Department of Biological Sciences, Fulbright College of Arts and Sciences, University of Arkansas, Fayetteville, Arkansas, 88p.

Winston, Byron, Jozef Laincz, Susan Ziegler, Phillip Hays, 2005, Biogeochemical Processing of N in a Mantled Karst Watershed, Eos Trans. AGU, 86(18), Jt. Assem. Suppl., Abstract H43D-04.

Young, H., C.B. Dowling and T. McKay. 2006. The effects of poultry litter application on the metal body burden of ground-dwelling arthropods (poster), ACS Midwest Regional Conference, Quincy, IL.

Ziegler, Susan, Byron Winston, Jozef Laincz, Phillip Hays, Tim Kresse, John Fazio, 2005, The extent and variability of biogeochemical processing within a mantled karst watershed, AWRC Conference Proceedings [CD].

## **CAST**

### **CHAPTERS**

Limp, Fred

Geographic information systems in H. Eiteljorg An introduction to archaeological computing. Center for the Study of Archaeology and Architecture. Bryn Mawr. PA.

### **REFEREED ARTICLES**

Cothren, Jackson

Jackson Cothren; Fred Limp; Angelia Payne; Jason Herrmann; Adam Barnes (2006) Integrating Terrestrial LIDAR Point Clouds and Independent Close-range Images. Proceedings of the American Society of Photogrammetry and Remote Sensing National Conference, Reno, NV.

Cothren, J., F. Limp. 2006. The Application of Long-range, Large-area, High-density Survey for Heritage Site Analysis. Abstracts of the XI International Seminar Forum UNESCO, University and Heritage, Documentation for Conservation and Development, New Strategies for the Future. September 11-15. pp. 127.

Cothren, J., F. Limp. 2006. The Application of Long-range, Large-area, High-density Survey for Heritage Site Analysis. Abstracts of the XI International Seminar Forum UNESCO, University and Heritage, Documentation for Conservation and Development, New Strategies for the Future. September 11-15. pp. 127.

Culpepper, Brian

Stahle, D.W.; Cleaveland, M. K.; Griffin, R. D.; Spond, M. D.; Culpepper, R. B; Patton, D. (2006) Decadal Drought Effects on Endangered Woodpecker Habitat. EOS, TRANSACTIONS, American Geophysical Union.

Gorham, Bruce

Jason D. Luscier; William L. Thompson; John M. Wilson; Bruce E. Gorham; and Lucian D. Dragut (2006) Using Digital Photographs and Object- Based Image Analysis to Estimate Percent Ground Cover In Vegetation Plots. *Frontiers in Ecology and the Environment*.

Tullis, Jason A., John Wilson, et. al. (2007) Yearly Extraction of Central America's Land Cover for Carbon Flux Monitoring. *GIScience & Remote Sensing*.

Johnston, Bill

Mattioli, G.S., A.T. Linde, I.S. Sacks, P. Watts, C. Widiwijayanti, S.R. Young, B. Voight, D. Jidayat, D. Elsworth, P.E. Malin, E. Shalev, E. Van Boskirk, W. Johnston, R.S.J. Sparks, J. Neuberg, V. Bass, P. Dunkley, R. Herd, T. Ayres, P. Williams (2007) Unique and Remarkable Strainmeter Measurements of Pyroclastic Flow-Generated Tsunami. *Geology* v35 25-28.

Limp, Fred

Cothren, J and F. Limp (2006) The application of long range, large area high density survey for heritage site analysis in Bini, M., S. Bertocci and S. Mecca (eds) *Documentation for conservation and development: New heritage strategy for the future*. Firenze University Press. Firenz IT.

Limp, F. (2006) Review of Ground Penetrating Radar by Larry Conyers. *Journal of Field Archaeology*. 31-105-107. *Journal of Field Archaeology*.

Tullis, Jason

J. Im; J.R. Jensen; J.A. Tullis (2007) Object-based Change Detection Using Correlation Image Analysis and Image Segmentation Techniques. *International Journal of Remote Sensing*.

Wilson, John

Jason D Luscier, William L Thompson, John M Wilson, Bruce E Gorham, and Lucian D Dragut (2006) Using digital photographs and object-based image analysis to estimate percent ground cover in vegetation plots. *Frontiers in Ecology and the Environment*, Vol 4 No 8, pp. 408-413.

### **UNREFEREED PUBLICATIONS AND PROCEEDINGS**

Barnes, Adam

Adam Banres (2006) QuickTake Review - Planar SD1710 Stereo Monitor. *GeoWorld*.

Jackson Cothren and Adam Barnes (2006) QuickTake Review of ERDAS IMAGINE and Leica Photogrammetry Suite 9.0. *GeoWorld Magazine* and *GeoPlace.com*.

Cothren, Jackson

Jackson Cothren (2006) Quick-take Review: PCI Geomatics *Geomatica* 10. *Geoworld*.

Jackson Cothren; Angelia Payne; Alexei Vranich; Fred Limp (2006) A Modern Survey of Ancient Ruins. Geoworld.

Jackson Cothren (2006) Quick-take Review: Socet GXP 2.1. Geoworld.

Limp, F., J. Cothren, Tullis J., 2006. New Analysis Tools: Expanding LIDAR's Information Content. Earth Imaging Journal, January/February 2007. pp. 26-30.

Cothren, J. A. Barnes 2006. Quick take review: ERDAS Imagine and Leica Photogrammetry Suite 9.0. GeoWorld Magazine, July.

Culpepper, Brian

Ford, Hanna; Culpepper, Brian; James, Andrew (2006) Satellite Mallard Tracking Using ArcIMS. ArcUser Magazine (ESRI, Inc).

Schultz, Robert; Culpepper, R. Brian; Wagner, Karen (2006) Perseverance Pays Off - GIS in a Small Town. RGIS Bulletin.

Culpepper, R. Brian (2007) ArcGIS 9.2 Review. GeoWorld.

Culpepper, R. Brian (2007) Topobase 2007. GeoWorld – Quick Reviews.

Culpepper, R. Brian (2007) ArcGIS 9.2 Image Server Review. Earth Imaging Journal.

Limp, Fred

(2006) Review of Merrick Advanced Remote Sensing MARS 4.0 GeoWorld December page 44. GeoWorld.

Limp, F. (2006) Future developments in 3D GeoWorld. August page 28-31. Geoworld.

Limp, F. (2006) LineWorks solves vector alignment problems. Earth Imaging Journal. 3(2)) 38-39.. Earth Imaging Journal.

Limp, F. (2006) Geographic imager adds raster functionality to Adobe Photoshop CS2. Earth Imaging Journal 3(1): 38-39.. Earth Imaging Journal.

Angela Payne

Jackson Cothren; Angelia Payne; Alexei Vranich; and Fred Limp (2006) A Modern Survey of Ancient Ruins. Geoworld.

Angelia Payne; Snow Winters (2006) Wacom Cintiq 21 UX - Quick Take Review. Geoworld.

Wilson, John

John Wilson (2006) "Master Raster" with the Geographic Transformer - Product Review. Earth Imaging Journal, Vol 3 No 6.

Winters, Snow

Snow Winters; Angelia Payne (2006) Wacom Cintiq 21 UX - Quick Take Review. Geoworld.

### **INVITED LECTURES**

Cothren, Jackson

Tullis, J., J. Cothren. 2006. Automated Processing of 2006 Pictometry Neighborhood Orthogonal Images, University of Arkansas GIS Day, December.

Cothren, J., B. Smith, K. Damphousse. 2006. The American Terrorism Study. National Institute of Justice Geospatial Technical Working Group, October 23-24, Charleston, SC.

Hargrave, M. W. Limp, E. Ernenwein W. Johnson, J. Cothren. 2006. Streamlined archaeogeophysical data processing for DoD field use. Paper presented at SERDP-ESTCP National Conference. Washington DC. Nov 2006.

Ernenwein, Eileen

Hargrave, M. W. Limp, E. Ernenwein W. Johnson, J. Cothren. 2006. Streamlined archaeogeophysical data processing for DoD field use. Paper presented at SERDP-ESTCP National Conference. Washington DC. Nov 2006.

Johnston, William

Hargrave, M. W. Limp, E. Ernenwein W. Johnson, J. Cothren. 2006. Streamlined archaeogeophysical data processing for DoD field use. Paper presented at SERDP-ESTCP National Conference. Washington DC. Nov 2006.

Limp, Fred

Hargrave, M. W. Limp, E. Ernenwein W. Johnson, J. Cothren. 2006. Streamlined archaeogeophysical data processing for DoD field use. Paper presented at SERDP-ESTCP National Conference. Washington DC. Nov 2006.

It's a 3D World. Opening Plenary MidAmerican GIS Conference. Kansas City. April.

Technologies for cultural resource detection. Joint Services Environmental Management Conference and Exposition. Denver. CO. March.

Hargrave, B and F. Limp

RFID and geospatial technology research at the University of Arkansas. Aerospace Automation Consortium National meetings. Chicago, IL. September.

Tullis, Jason

Tullis, J., J. Cothren. 2006. Automated Processing of 2006 Pictometry Neighborhood Orthogonal Images, University of Arkansas GIS Day, December

# Walton College of Business

## Accounting

### **REFEREED ARTICLES**

Finn, D. W. (with G. Fleischman and S. Valentine ) 2007. "Ethical reasoning and equitable relief," Behavioral Research in Accounting 19: 107-132.

Henderson, B. C. (with E. Black, T. Carnes, and T. Jandik) January/March 2007. "The long-term success of cross-border mergers and acquisitions," Journal of Business, Finance and Accounting.

Norwood, J. 2006. "Avoiding liability for forgeries: The murky principles of 'good faith' and "ordinary care," The Banking Law Journal 123 (9), 771-793.

Pincus, K. V. (with W. E. Curington and C. Shook), Spring 2007. "Successfully implementing the standards for professionally and academically qualified faculty," The Accounting Educator XVI (2) 15-16.

Richardson, V. J. (with B. Dehning and R. W. Zmud), June 2007. "The financial performance effects of IT-based supply chain management systems in manufacturing firms," Journal of Operations Management 25: 806-824.

Richardson, V. J. (with P. Lowry and G. Karuga), 2007. "Assessing the impact of premier information systems research over time," Communications of the Association for Information Systems 19.

Thomas, D. (with T. S. Manly and C. T. Schulman) 2006. "Tax incentives for economic growth: Capital expenditures or research," Advances in Taxation 17, 95-119.

### **UNREFEREED PUBLICATIONS AND PROCEEDINGS**

Finn, D. W. (with K. Breaux), 5th Conference on New Directions in Management Accounting: Innovations in Practice and Research, European Institute for Advanced Studies in Management, Brussels, Belgium, "Antecedents of program commitment, budgetary participation, and budget performance," Presented. (sub: August 2006, acc: October 2006, date: December 15, 2006).

Richardson, V. J. American Accounting Association Annual Meetings, American Accounting Association, Washington, D.C., "Assessing the impact of premier information systems research over time," Presented. (2006, date: August 2006).

Richardson, V. J. American Accounting Association Annual Meetings, American Accounting Association, Washington, D.C., "The distribution of financial performance benefits from supply chain initiatives between buyers and suppliers," Presented. (2006, date: August 2006).

Shook, C. (Author Only), Brusa, J. (Presenter & Author), Lee, W. (Author Only), Financial Management Association Annual Meeting, Financial Management Association, Salt Lake City, Utah, "Golden parachutes as managerial incentives," Academic, International, published in proceedings, (2006, date: October 14, 2006).

Shook, C. (Author Only), Bouwman, M. (Author Only), Thomas, D. (Presenter & Author), Webb, Z. (Presenter & Author), American Accounting Association Annual Meeting, American Accounting Association, Washington, D.C., "Do business students need an introductory accounting course? Our experience with an integrated business core," Academic, International, published in proceedings, (2006, date: August 2006).

### **INVITED LECTURES**

Henderson, B. C., Presentation, Arkansas Society of CPAs. (December 1, 2006).

Henderson, B. C., CPE Session Developed and Delivered: Update on the Energy Policy Act of 2005 - Delivered at the annual Arkansas Society of CPAs Federal Tax Institute.

Peters, G., "Corporate sustainability reporting," Institute of Internal Auditors – North Arkansas Chapter Meeting, March 27, 2007.

Richardson, V. J. Invited Presentation, Baylor University, "Performance and value implications of first-time IT outsourcing arrangements," March 2007.

Richardson, V. J. Invited Presentation, University of Waterloo, "Determinants and consequences of firm information technology budgets," October 2006.

Richardson, V. J. Invited Presentation, Korea University, "Determinants and consequences of firm information technology budgets," July 2006.

### **OTHER LECTURES, PAPERS AND ORAL PRESENTATIONS**

Bouwman, M. (Author Only), Thomas, D. (Presenter & Author), Shook, C. (Author Only), Webb, Z. (Author Only), American Accounting Association Annual Meeting, American Accounting Association, Washington, D.C., "Do business students need an introductory accounting course?" Presented. (2006, date: August 2006).

Bouwman, M., Research Workshop, Department of Accounting, Sam M. Walton College of Business, University of Arkansas, "Curriculum issue: ACCT 5223, accounting for supply chain and retail operations," (February 23, 2007) Callahan, C. M. (with A. Spencer, Oklahoma State University) "The valuation and disclosure implications of FIN 46 for synthetic leases: Off-balance sheet financing of real property" presented at Old Dominion University, October 2006.

Callahan, C. M. (with A. Spencer and R. Smith) "Do major customer relationships enhance the performance of strategic alliances in high tech industries?" American Accounting Association Midyear Management Accounting Research Meetings (MAS), Fort Worth, Tex., January 2007.

Callahan, C. M. (with A. Spencer, Oklahoma State University) “The valuation and disclosure implications of FIN 46 for synthetic leases: Off-balance sheet financing of real property” presented at University of Kentucky, February 16, 2007.

Callahan, C. M. (with A. Spencer, Oklahoma State University) “The valuation and disclosure implications of FIN 46 for synthetic leases: Off-balance sheet financing of real property” presented at University of Richmond, E.C. Robins School of Business, Richmond, Va., February 22, 2007.

Finn, D. W. (Presenter & Author), American Accounting Association Annual Meeting, American Accounting Association, Washington, D.C., “Teaching business ethics,” (2006, date: August 5, 2006).

Finn, D. W. (Panelist), 2006 Accounting, Behavior, and Organizations Mid-Year Meeting, American Accounting Association, Portland, Ore., “The influence of management tone at the top and the working relationship with the audit senior on the acceptance of dysfunctional auditor behavior,” Presented. (2006, date: October 7, 2006).

Finn, D. W. (Panelist), 11th Annual Ethics Research Symposium, American Accounting Association, Washington, D.C., “Sarbanes-Oxley and the accounting profession: Public interest implications,” Presented. (2006, date: August 5, 2006).

Finn, D. W. (Presenter & Author), Research Workshop, Department of Accounting, Sam M. Walton College of Business, University of Arkansas, “Antecedents of program commitment, budgetary participation, and budget performance.” (October, 12, 2006).

Henderson, B. C. (Presenter & Author), Department of Accounting Summer Brown Bag, University of Arkansas, “Long-term post-merger success of bank mergers,” Presented. (date: July 5, 2006).

Henderson, B. C. AAA discussant, August 2006.

Henderson, B. C. (Presenter Only), Ph.D. Seminar, University of Arkansas, Sam

M. Walton College of Business, “Academic accounting research in tax,” (date: November 8, 2006).

Henderson, B. C., Department of Accounting Seminar, University of Arkansas, “The value of disclosure of information technology investments,” (January 19, 2007).

Leflar, C.. June 19, 2007. Northwest Arkansas Chapter MENSA, “What an audit is and what an audit is not.”

Leflar, C.. April 2007. University of Arkansas School of Law (class), “Basic goals of financial audits.”

Norwood, J., "Bank liability for negligence," presented at the Academy of Legal Studies in Business, St. Petersburg, Fla., August, 2006.

Peters, G. (with G. McClain), 4th International Conference on Corporate Governance, Centre for Corporate Governance Research, Birmingham England, "CEO bargaining power and outsider director compensation," Presented. (July 2006).

Peters, G. (with L. Abbott and S. Parker), American Accounting Association annual meeting, Washington, D.C., "Voluntary proprietary disclosures and the audit environment: The role of auditor and audit committee expertise," Presented. (August 2006).

Peters, G. (with L. Abbott and S. Parker), American Accounting Association Audit Section mid-year meeting. Charleston, S. C. Forum Paper. "Agency-based demand for audit quality: The impact of disclosure-imposed agency costs on non-audit services." January 2007.

Peters, G. (with L. Abbott and S. Parker), American Accounting Association Audit Section Mid-Year Meeting. Charleston, S. C. "Whose internal audit department is it? The impact of audit Committee Dominion on the Nature of Internal Audit Department Activities." Co-authors: L. Abbott and S. Parker. January 2007.

Peters, G. Department of Accounting Seminar, University of Arkansas, "Agencybased demand for audit quality: The impact of disclosure-imposed agency costs on non-audit services," February 2, 2007.

Peters, G. (with D. Lopez), American Accounting Association Southeast Conference Regional Meeting. Atlanta, Ga. "The impact of workload compression on busy season auditor switches," April 2007.

Peters, G. (with L. Abbott and S. Parker), American Accounting Association Western conference regional meeting, Costa Mesa, Calif. "Agency-based demand for audit quality: The impact of disclosure-imposed agency costs on non-audit services," April 2007.

Pincus, K. V. "Assessing learning: Why and how," Puerto Rico Association of Accounting Professors, Mayaguez, January 26, 2007.

Pincus, K. V. Plenary session presentation, "Moving on: Transitioning out of an administrative position," Accounting Programs Leadership Group/Federation of Schools of Accountancy Seminar, San Diego, Calif., February 2007.

Pincus, K. V. Panel member on "Competence and Education Issues: What are the key competencies of future auditors of public companies? How can these competencies be develop?" 2007 PCAOB (Public Company Accounting Oversight Board) Symposium, April 19-20, Washington, D.C.

Pincus, K. V., "Approaches to developing and maintaining professional values, ethics and attitudes," NASBA Education Committee Joint Panel on Education, April 30, 2007, Dallas, Tex.

Richardson, V. J., Workshop Speaker, University of Waterloo, Waterloo, Calif., "Determinants and consequences of information technology budgets," Presented. (2006, date: October 2006).

Richardson, V. J., International Conference on Supply Chain Management and Information Systems, Taichung, Taiwan, "The financial performance effects of supply chain management initiatives in manufacturing firms," Presented. (2006, date: July 2006).

Richardson, V. J. European Conference on Accounting Information Systems (Lisbon, Portugal), "Determinants and consequences of firm information technology budgets," April 2007.

Richardson, V. J. American Accounting Association Information Systems Midyear Meetings, "Determinants and consequences of firm information technology budgets," January 2007.

Richardson, V. J. American Accounting Association Annual Meetings, "Assessing the impact of premier information systems research over time," August 2006.

Richardson, V. J. American Accounting Association Annual Meetings, "The distribution of financial performance benefits from supply chain initiatives between buyers and suppliers," August 2006.

Richardson, V. J. International Conference on Supply Chain Management and Information Systems, "The financial performance effects of supply chain management initiatives in manufacturing firms," Taichung, Taiwan, July 2006.

Richardson, V. J. Institute of Management Accountants Annual Meeting (Phoenix, Ariz.), "Searching for value in supply chain implementations of manufacturing firms," June 2007.

Sanchez, J. M. (Presenter & Author), Research Workshop, Department of Accounting, Sam M. Walton College of Business, University of Arkansas, "Accounting restatements, securities litigation and the disciplining of chief financial officers," Presented. (September 21, 2006).

Sanchez, J. M., (Presenter & Author), Research Workshop, Department of Accounting, Sam M. Walton College of Business, University of Arkansas, "Corporate restructuring quality and CEO compensation," (March 2, 2007).

Sanchez, J. M., (Presenter & Author), Oklahoma State Research Conference, "Corporate restructuring quality and CEO compensation," (March 30, 2007).

Sanchez, J. M., (Presenter & Author), Research Workshop, University of Cincinnati, "Corporate restructuring quality and CEO compensation," (April 26, 2007).

Sanchez, J. M., (Presenter & Author), Research Workshop, Texas A&M University, "Corporate restructuring quality and CEO compensation," (May 10, 2007).

Shook, C., Presentation to Beta Alpha Psi, "CPA exam in Arkansas" (January 2007).

Shook, C., Presentation to the Arkansas Society of CPAs Educator's Conference, "Motivating students in and out of the classroom," (May 14, 2007).

Thomas, D. (Presenter & Author), Webb, T. Z. (Presenter & Author), Shook, C. (Author Only), Bouwman, M. J. (Author Only), Effective Learning Strategies Forum, American Accounting Association, Washington, D.C., "Do business students need an introductory accounting course? Our experience with an integrated undergraduate core," (2006, date: August 7, 2006).

Thomas, D. (Presenter & Author), Manly, T. S. (Author Only), Ritsema, C. M. (Author Only), American Accounting Association Annual Meeting, American Accounting Association, Washington, D.C., "An analysis of differences between nonfilers who owe tax and those who do not," Presented. (2006, date: August 8, 2006).

Thomas, D., Accounting Department Colloquium, University of Arkansas, "Compliance costs of the U.S. individual tax: Another look after electronic filing," September 7, 2006.

West, T., Research workshop at the University of Tilburg (West) and University of South Carolina (Davis), Antecedents and consequences of adopting performance-based budgets (with F. Davis).

West, T., Accounting Department Colloquium, University of Arkansas, "Antecedents and consequences of adopting performance-based budgeting," March 9, 2007.

## **Economics**

### **BOOKS AND MONOGRAPHS**

Farmer, A. and Pecorino, P. Dispute Resolution, in the New Palgrave Dictionary. New Palgrave Dictionary.(2006).

Ferrier, G. and Valdmanis, V. Efficiency and Productivity Changes in Large Urban Hospitals 1994-2002: Ownership, Markets, and the .Hospital Productivity / North-Holland/Elsevier, Amsterdam.

### **REFEREED ARTICLES**

Britton, C., Ford, R. K., and Gay, D. "Perceptions of Water Quality in the State of Arkansas". Forum of the Association for Arid Lands Studies, Lubbock, TX. issue 1.1-9.

Britton, C., Smith, R. S., and Graff, T. O. "Wal-Mart Store Expansions in the Arid Lands". Forum of the Association for Arid Lands Studies. issue 1.39-48.

Cox, J. and Deck, C. "Assigning Intentions when Actions are Unobservable: the Impact of Trembling in the Trust Game". Southern Economic Journal. issue 2.

(October (4th Quarter/Autumn) 2006). 307-14.

Cox, J. and Deck, C. "When are Women More Generous than Men?" *Economic Inquiry*. issue 4. (October (4th Quarter/Autumn) 2006). 587-98.

Deck, C. and Wilson, B. J. "Tracking Customer Search to Price Discriminate". *Economic Inquiry*. issue 2. (April (2nd Quarter/Spring) 2006). 280-95.

Farmer, A. and J. Tiefenthaler. "The Determinants of Public Service Provision for Domestic Abuse". *Journal of Marriage and the Family* (2006).

### **OTHER LECTURES, PAPERS AND ORAL PRESENTATIONS**

Deck, C. (Presenter & Author), "Arbitration and Bargaining Across the Pacific," (Presented), presented at Economic Science Association, Atlanta, Ga.

Deck, C., (Panelist), presented at <<I have been a chair and/or a discussant at each conference I attended. This should be under section IV. D. but it does not show up there when following the Hot Tips for Digital Measures.

Deck, C., (Presenter & Author), "Amended Final Offer Arbitration over an Uncertain Value: A Comparison with CA and FOA," (Presented), presented at Economic Science Association, Hong Kong.

Deck, C., (Presenter & Author), "Arbitration and Bargaining Across the Pacific," (Presented), presented at Economic Science Association, Tucson, Ariz.

Deck, C., (Presenter & Author), "Fixed Revenue Auctions," (Presented), presented at Resources, Institutions, and the Owner State, Anchorage. Sponsored by University of Alaska - Anchorage, Invited.

Deck, C., (Presenter & Author), "Sorry No CODs," (Presented), presented at Southern Economic Association, Charleston, S. C.

Deck, C., "Arbitration Experiments," (Presented), presented at Seminar, Washington, D.C. Sponsored by George Mason University, Invited.

Farmer, A. "Negative Expected Value Suits," Southern Economics Association. (2006).

Ferrier, G. and Rosko, M., "Provision of Uncompensated Care: Efficiency, Financial Status, and Organizational Mission," (Presented), presented at Public Health and Human Rights: APHA 134th Annual Meeting and Exposition, International, Boston, Mass. Sponsored by American Public Health Association, Accepted, Refereed. (November 7, 2006).

Gay, D. (Presenter & Author), "Hayek at Arkansas," (Submitted March 2006, Accepted August 2006, Presented), presented at Southern Economic Association 76th Annual Meeting, National, Charleston, S. C. Sponsored by SEA, Refereed. (November 2006).

Kali, R. "Financial Contagion on the International Trade Network," (Presented), presented at Research Seminar, Department of Economics, University of Oxford, Oxford, United Kingdom. Sponsored by University of Oxford. (November 8, 2006).

Kali, R. "Financial Contagion on the International Trade Network," (Presented), presented at Research Seminar, Indian School of Business, Hyderabad, India, Hyderabad, India. Sponsored by Indian School of Business. (July 29, 2006).

Kali, R. "Financial Contagion on the International Trade Network," (Presented), presented at Research Seminar, Department of Economics, University of Essex, United Kingdom. Sponsored by University of Essex.

Lee, J. "Did Vietnam Era Draft Avoidance Reduce the Education of Avoiders' Sisters?" presented at Department Seminar. Sponsored by Economics, UT Austin, Invited. (2006).

Lee, J. (Presenter & Author), "American Idol," (Presented), presented at IFS Seminar, London, United Kingdom. Sponsored by Economics, University College London, Invited. (2006).

Lee, J. (Presenter & Author), "American Idol," (Presented), presented at Missouri Economics Conference, Columbia, Mo. Sponsored by FED, Kansas City and FED, St. Louis. (2006).

Mendez, F. (Presenter & Author), "Does Opportunism go Unnoticed? A Study of Vote Functions and Policy Preferences.," (Presented), presented at Economic Association Meetings, National, Charleston, S. C. Sponsored by University of Arkansas, Accepted, Refereed. (November 17, 2006).

Reyes, J. (Presenter & Author) and Ball, C. P. (Author Only), "Announcement Effects in Emerging Market Inflation Targeting Regimes," (Presented), presented at 76th Annual Meeting of the Southern Economic Association, Regional, Charleston, S. C. Sponsored by Southern Economic Association. (November 21, 2006).

Reyes, J. (Presenter & Author), Kali, R. (Author Only), and Mendez, F. (Author Only), "Trade Structure and Economic Growth," (Presented), presented at 76th Annual Meeting of the Southern Economic Association, Regional, Charleston, S.C. Sponsored by Southern Economic Association. (November 20, 2006).

Reyes, J. (Presenter & Author), Kali, R. (Author Only), and Mendez, F. (Author Only), "Trade Structure and Economic Growth," (Presented), presented at Western Economic Association International, International, San Diego, Calif. (July 1, 2006).

Stapp, R. (Presenter & Author), "Factor Mobility and Wage Inequality," presented at Southern Economic Association, International, Charleston, S.C. Sponsored by SEA, Refereed. (November 2006).

## **Finance**

### **REFEREED ARTICLES**

Black, E., Jandik, T., Carnes, T., and Henderson, C. "The Relevance of Target Accounting Quality to the Long-term Success of Cross-border Mergers." *Journal of Business Finance and Accounting*.

Ferris, S., Jandik, T., Lawless, R., and Makhija, A.K. "Derivative Lawsuits as a Corporate Governance Mechanism: Empirical Evidence on Board Changes Surrounding Filings." *Journal of Financial and Quantitative Analysis*.

Harshman, E., Yeager, F., and Yeager, T. "The Financial Services Modernization Act: Evolution or Revolution?" *Journal of Economics and Business*.

Jandik, T. and Kali, R. "Legal Systems, Information Asymmetry, and Firm Boundaries: Cross-Border Choices to Diversify Through Mergers, Joint Ventures, or Strategic Alliances." *Journal of International Business Studies*.

Jandik, T. and Makhija, A. "Impact of the Structure of Debt on Target Gains." *Journal of Financial and Quantitative Analysis*.

Jandik, T. and Rennie, C. "The Evolution of Corporate Governance and Firm Performance in Transition Economies: The Case of Sellier and Bellot in the Czech Republic." *European Financial Management*.

King, T., Nuxoll, D., and Yeager, T. "Are The Causes Of Bank Distress Changing? Can Researchers Keep Up?" *Federal Reserve Bank of St. Louis Review*. Volume 88 Issue 1. (2006). 57-80.

Kruse, T. (2007). "Minority expropriation and shareholder activism following Olivetti's Hostile Takeover of Telecom Italia." *Corporate Governance: An International Review*, 11.

Kruse, T., Park, H. Y., Park, K. W., and Suzuki, K. (2007). "Long-term Performance following Mergers of Japanese Companies: The Effect of Diversification and Affiliation." 20.

Malakhov, A., Jagannathan, R., and Novikov, D. "Do Hot Hands Persist Among Hedge Fund Managers? An Empirical Evaluation."

Malakhov, A. and Vohra, R. V. "An Optimal Auction for Capacity Constrained Bidders - A Network Perspective."

Malakhov, A. and Vohra, R. V. "Optimal Auctions for Asymmetrically Liquidity Constrained Bidders."

Millar, J. and Yeager, F. C. (2007). "The Recent Regulatory Response to Corporate Crime In The United States: Observations and Comments." Economic Affairs/Blackwell Publishing, Oxford, (na), 12 manuscript; published 5.

Perry, L., Mohammed, M., and Rimbey, J. "The Impact of Ownership Structure on Corporate Debt Policy: A Time-Series Cross Sectional Analysis." The Financial Review.

### **UNREFEREED PUBLICATIONS AND PROCEEDING**

Newsom, P. D. and Lee, W., Liu, P. "The Performance and Determinant of Firms that Reprice Options During a Bear Market."

### **OTHER LECTURES, PAPERS, AND ORAL PRESENTATIONS**

Hernandez, Rodrigo. Summer 2007 presented, "The Market and the Pricing of Structured Products," doctoral dissertation, at the 2007 Financial Management Association, European Conference held in Barcelona, Spain.

Jandik, T. (Presenter & Author) and Kali, R., Financial Management Association, FMA, Salt Lake City, Utah, "Legal Systems, Information Asymmetry, and Firm Boundaries: Cross-Border Choices to Diversify Through Mergers, Joint Ventures, or Strategic Alliances," Presented. (2006, date: 2006).

Jandik, T. (Presenter & Author) and Makhija, A., Oklahoma State University Finance Seminar, Tulsa, "Impact of the Structure of Debt on Target Gains," Presented. (2006, date: 2006).

Jandik, T. (Presenter & Author) and Makhija, A., University of Arkansas Finance Seminar, Fayetteville, AR, "Do Internal Capital Markets Improve Following the Adoption of Economic Profit Plans?," Presented. (2006, date: 2006).

Jandik, T. (Presenter & Author), Rennie, C., and Brookman, J., Southwest Finance Symposium, Tulsa, Okla. "A Comparison of CEO Compensation Data Sources," Presented. (2006, date: 2006).

Jandik, T., Rennie, C., and Brookman, J., Financial Management Association, FMA, Salt Lake City, Utah, "A Comparison of CEO Compensation Data Sources," Presented. (2006, date: 2006).

Liu, Pu. Summer 2007. Traveled to Vienna, Austria, and Dublin Ireland to present "The Market and Pricing of Outperformance Certificates" and "An Economic Analysis of Reverse Exchangeable Securities – An Option – Pricing Approach. Authors are Rodrigo Hernandez, Wayne Lee and Pu Liu.

Malakhov, A. (Author Only), Jagannathan, R. (Presenter & Author), and Novikov, D. (Author Only), University of Southern California, Los Angeles, Calif., "Do Hot Hands Persist Among Hedge Fund Managers? An Empirical Evaluation," Presented. (2006, date: October 2006).

Millar, J. (Presenter & Author), Twenty-Fourth International Symposium on Economic Crime, Jesus College, University of Cambridge, Cambridge, England, "The Sarbanes-Oxley Act Inside Out," Presented. (2006, date: September 5, 2006).

Yeager, T. (2007). Commercial Real Estate Portfolio Stress Testing. Little Rock, Ark.: The Arkansas Banker.

## **Information Systems**

### **CHAPTERS**

Armstrong, D. J., Reid, M., Riemenschneider, C. K., Allen, M. (2007). "Managing IT Employee Retention - Challenges for State Government" (th ed.). Hershey, Pa.: Idea Group Inc.

McKinney, V. R., Allen, M.. "Psychological Contracts Influence on E-Collaboration" (th ed.): Encyclopedia of E-Collaboration.

Robert, L., Ahuja, M. (2006). "Do You Know Where You Belong?: Salient Identity Model (SIM) for Boundary Spanning VTS" (th ed., pp. 387-404). CT: IT Workers: Human Capital Issues in a Knowledge-Based Environment.

### **REFEREED ARTICLES**

Aloysius, J.A.; David, F.D., Taylor, R., Wilson, D., Kotheman, J. "User Acceptance of Multi-Criteria Decision Support Systems: The Impact of Preference Elicitation Techniques." European Journal of Operational Research. Vol. 169, p.273-285.

Aloysius, J.A. "Decision Making in the Short Run and Long Run: Repeated Gambles and Rationality." British Journal of Mathematical & Statistical Psychology. Bristol. May 2007. Vol. 60, Iss.1; p. 61.

Armstrong, D. J., Reid, M., Riemenschneider, C.K., Allen, M. "Affective Commitment in the Public Sector: The Case of IT Employees." ACM SIGMIS CPR. April, 2nd Quarter, Spring 2006, p.321-332.

Armstrong, D.J. (2006). "The Quarks of Object-Oriented Development." Communication of ACM. Vol. 49, Iss.2; p. 123-128.

Brown, S. A., Venkatesh, V., Bala, H. (2006). "Household Technology Use: Integrating Household Lifecycle and the Model of Adoption of Technology in Households." Information Society. (2006) Vol. 22, Iss. 4; p. 205-218.

Cao, Q., Maruping, L. M., Takeuchi, R. (2006). "Disentangling the Effects of CEO Turnover and Succession on Organizational Capabilities: A social Network Perspective." *Organization Science*. Vol. 17, Iss.5; p. 563-576 Cronan, P.

Jones, T., Fultz, B. "Piracy, Computer Crime, and IS Misuse at the University." *Communications of ACM*. Vol. 49, Iss.6; p. 85-90.

Cronan, P., Al-Rafee, S. "Digital Piracy: Factors That Influence Attitude Toward Behavior." *Journal of Business Ethics*. Vol. 63, Iss.3; p. 237-259.

Cronan, P., Al-Rafee, S. "Intention to Pirate Software and Media: Factors That Influence Behavior." *Journal of Business Ethics*.(2006) Vol.63, Iss.; p237-259..

Cronan, P., Douglas, D. E. (2006). "Toward A Comprehensive Ethical Behavior Model for Information Technology." *Journal of Organizational and End User Computing*. Vol. 18, Iss.1; p. I-XI.

Jones, T. "How Do Students Perceive Product, Service, Quality, Fear, and Barriers With Respect to Deming's 14 Points?" *Proceedings of the Western Decision Sciences Institute*. April 2006, p.677.

Leonard, L., Davis, C. (2006). "Supply Chain Replenishment: Before and After EDI Implementation." *Supply Chain Management*, Vol.11, Iss.3; p. 225-233.

Maruping, L. M. "Role of Time in Self-Prediction of Behavior." *Organizational Behavior and Human Decision Processes*. Vol.100, Iss.2; p.160-176.

Maruping, L. M., Agarwal, R. (2004). "Managing Team Interpersonal Processes Through Technology: A Task-Technology Fit Perspective." *Journal of Applied Psychology*. Vol.89, Iss.6; p.975-990.

Maruping, L. M., Agarwal, R., Venkatesh, V. "Agile Software Development Practices, Boundary Spanning and Software Team Effectiveness: A Longitudinal Field Study." *Information System Research*. (Revise & Resubmit) McKinney, V. R., Wilson, D.D., Brooks, N., O'Leary-Kelly, A., McKinney, V. R., Whiteside, M.M. "Maintaining Distributed Relationships." *Communications of ACM*. Vol.49, Iss.3; p.82-86.

Riemenschneider, C.K., Allen, M., Armstrong, D.J., Reid, M. (2006). "Making Sense of the Barriers Women Face in the IT Work Force: Standpoint Theory, Self-Disclosure, and Cognitive Maps." *Sex Roles: A Journal of Research*. Vol. 54, Iss.11-12; p. 831-844.

Riemenschneider, C. K., Armstrong, D. J., R. M., A. M. (2006). "Challenges and Barriers Facing Women in the IT Work Force." *Data Base*. Vol.37, Iss.4; p.58-78.

Stewart, K. J., Ammeter, A. P., Maruping, L.M. (2006). "Impacts of License Choice and Organizational Sponsorship on User Interest and Development Activity in Open Source Software Projects." *Information Systems Research*. Vol.17, Iss.2; p.126-144.

Venkatesh, V. (2006). "Where to go from Here? Thoughts for Future Directions for Research on Individual-level Technology Adoption with a focus on Decision-making." *Decision Sciences*. Vol.37, Iss.; p.497-518.

Venkatesh, V., Agarwal, R. (2006). "From Visitors to Customers: A Usability-Centric Perspective on Purchase Behavior in Electronic Channels." *Management Sciences*. Vol.52, Iss.; p. 367-382.

Venkatraman, S., Aloysius, J. A., Davis, F. D. (2006). "Multiple Prospect Framing and Decision Behavior: The Meditational Roles of Perceived Riskiness and Perceived Ambiguity." Reference # ITRC-WP049-0904, Date: 9/1/2004. *Organizational Behavior and Human Decision Processes*. Vol.1, Iss.101; p.59-73.

Venkatesh, V., Davis, F. D., Morris, M. G.. "Dead or Alive: The Development, Trajectory and Future of Technology Adoption Research." *Journal of the Association for Information Systems*. Vol. 8, Iss. 4.

Venkatesh, V., Ramesh, V. (2006). "Web and Wireless Site Usability: Understanding Differences and Modeling Use." *MIS Quarterly*. Vol.30, Iss. 1; p.181-206.

### **INVITED LECTURES**

Paul Cronan (Panelist), Pierre-Majorique Leger (Presenter & co-Author), "ERPSAP Simulation Workshop," presented at ERP-SAT Simulation, National, Fayetteville, Ark. Sponsored by Walton College ERP/Enterprise Systems, Academic, Invited. (October 31, 2006).

Bill C. Hardgrave, "RFID: Insights for Teaching and Research," presented at DSI Conference, International, San Antonio, Tex., Academic, Invited. (November 18, 2006).

### **OTHER LECTURES, PAPERS, AND ORAL PRESENTATIONS**

Aloysius, John A. (Presenter & co-Author), "Retail Promotions: The Value of Information Sharing Up the Supply Chain," presented at the annual meeting of the Institute for Operations Research and management Sciences, International, Pittsburgh, Pa. (November 8, 2006).

Cronan, Paul, Decision Science Institute, "Coordinator, Professional Development," DSI, San Antonio, Tex. (November 2006).

Cronan, Paul (Author Only), Douglas, David E. (Author Only), Thanopoulos, John (Presenter & Author), International, "Ethical Decisions -- How Do U.S. And Greek Business Students Compare?" Association of Global Business, San Diego, Calif. (November 16, 2006).

Davis, Fred D., Sloan Center for Internet Retailing Seminar Series, "Tradeoffinduced Decision Anxiety: Unintended Negative Effects on Preferences for Decision Aids," University of California Riverside, Riverside, Calif. (December 1, 2006).

Davis, Fred D., DSI Annual Conference, "Building and Managing a Research Program," DSI, San Antonio, Tex. (November 18, 2006).

Douglas, David E. (Author Only), Cronan, Paul (Author Only), Thanopoulos, John (Presenter & Author), Association for Global Business (AGB) Annual Meeting, "Ethical Decisions -- How do U.S. and Greek business students compare," AGB, San Diego, Calif. (November 17, 2006).

Hardgrave, Bill C., RFID Logistics 2006, "Does RFID Reduce Out of Stocks? (and other business cases for RFID)," London, U.K. (November 21, 2006).

Hardgrave, Bill C., RFID Journal Live! Europe, "The Business Case for RFID: Comparing European and American Business Models," Amsterdam, The Netherlands. (October 27, 2006).

Hardgrave, Bill C., University of Parma, "RFID: Understanding the Path to Business Value," Parma, Italy. (October 24, 2006).

Hardgrave, Bill C., RFID Journal Industry Summit, "Leveraging RFID in the Cold Chain ... and Other RFID Business Cases," Chicago, Ill. (September 28, 2006).

Hardgrave, Bill C., University of North Texas, "RFID: Understanding the Path to Business Value," Denton, Tex. (September 27, 2006).

Hardgrave, Bill C., National Public Policy Education Conference, "RFID Technology and Food Safety," Fayetteville, Ark. (September 19, 2006).

Hardgrave, Bill C., RFID Investors Forum, "Show Me the Value! The Business Case for RFID," New York, N.Y. (September 15, 2006).

Hardgrave, Bill C., Canadian Supplier Forum, "RFID: ROI for Suppliers? Insights and Considerations," Toronto, Canada. (September 14, 2006).

Hardgrave, Bill C., AIM Global Executive Summit, "RFID Benefits in the Retail Supply Chain," Washington, D.C. (September 7, 2006).

Hardgrave, Bill C., Aerospace Automation Consortium, "An Overview of RFID at the University of Arkansas," Chicago, Ill. (September 6, 2006).

Hardgrave, Bill C., Arkansas State Legislators' Joint Committee on Advanced Communications and Information Technology, "RFID: Myths and Realities," Little Rock, Ark. (July 25, 2006).

Jones, Thomas W., Baker, Hope, Berenson, Mark, Hollister, Kimberly, Jones, Charlotte, Price, Barbara, Decision Sciences Institute Annual Meeting, "Best Practices for Assessment of Learning," San Antonio, Texas. (November 2006).

Jones, Thomas W., Decision Sciences Institute Annual Meeting, "How to Turn a Conference Paper Into a Journal Article," San Antonio, Tex. (November 2006).

Maruping, Likoebe M. (Presenter & Author), Cao, Qing (Presenter & Author), Takeuchi, Riki (Presenter & Author), 66th Annual Academy of Management Conference, "Disentangling the effects of CEO turnover and succession on organizational capabilities: A social network perspective," Atlanta, Ga. (August 2006).

Robert, Lionel, Indiana University Information Systems workshop. "Social Capital and Knowledge Integration with in Virtual Teams." (2006).

Viswanath Venkatesh, presentation on "Building and Sustaining a Research Program," Decision Sciences International Conference Professional Development Workshop, San Antonio, Tex. 2006.

Viswanath Venkatesh, panel on "How to be a Successful IS Professor," Pacific Asia Conference on Information Systems Doctoral Consortium. Kuala Lumpur, Malaysia 2006.

Viswanath Venkatesh, panel on "Publishing in JAIS: The Flagship Journal for the Association of Information Systems," Pacific Asia Conference on Information Systems. Kuala Lumpur, Malaysia, 2006.

Viswanath Venkatesh, Divisional Keynote Presentation on "Building a Research Program," Administrative Association of Canada Conference, Banff, Canada, 2006.

## **Management**

### **BOOKS**

Ganster, D. Research in Occupational Stress and Well Being: Exploring the Work and Non-Work Interface (th ed.): Elsevier: JAI.

### **CHAPTERS**

Bates, C., Bowes-Sperry, L., O'Leary-Kelly, "A. Sexual harassment in the workplace: A look back and a look ahead." Handbook of Workplace Violence. (2006). Edited by: O'Leary-Kelly, A., Kelloway, K., Barling, J., Hurrell.

Delery, J.. HRM and Strategy. Sage Handbook on Human Resource Management. Writing the chapter. Edited by: Delery, J., Wilkinson, A., Snell, S., Redman, T., Bacon, N.

Joshi, M., Anand, V., Henderson, K. "The Role of Organizational Practices and Routines in Facilitating Normalized Corruption" (th ed.). Cheltenham: Research Companion to the Dysfunctional Workplace: Management Challenges and Symptom.

Kepes, S., Delery, J.E. (2006). "Designing and implementing effective HRM practices in organizations." (th ed.): The Human Resources Revolution: Research and Practice.

Levy, P. E, Rosen, C. C., O'Malley, A. "Performance feedback" (th ed.). Thousand Oaks, CA: Sage: The Encyclopedia of Industrial and Organizational Psychology.

Logan, M. S., O'Leary-Kelly, A. M.. "Taking yourself with you: Transfer of achieved identity as a predictor of employee adjustment to change" (th ed.): Research in Organizational Change and Development.

Rosen, C. C., Chang, C. H., Levy, P. E. "Personality and politics perceptions: A new conceptualization and illustration using OCBs." Handbook of Organizational Politics. (2006). 29-52. Edited by: Vigoda-Gadot, E., Drory, A.

### **REFEREED ARTICLES**

Duffy, M., Ganster, D., Shaw, J., Johnson, J., Pagon, M. "The social context of undermining behavior at work" Organizational Behavior and Human Decision Processes. Volume 101. (2006). 105-126.

Johnson, J. "Brokerage and Closure: An Introduction to Social Capital." Academy of Management Review. (2006). 757-759.

Rosen, C. C., Levy, P. E, Hall, R. J.. "Placing perceptions of organizational politics in the context of the feedback environment, work attitudes and job performance." Journal of Applied Psychology. Volume 91 Issue 1. (2006). 211-220.

Schaubroeck, J., Walumbwa, F., Ganster, D., Kepes, S. "Destructive leader traits and the neutralizing influence of an enriched job." Leadership Quarterly.

McKinney, V., Wilson, D., Brooks, J., O'Leary-Kelly, A. M., Hardgrave, B. "Women and men in the IT profession: Are we more alike or different?" Communications of the ACM.

Paetzold, R. L., O'Leary-Kelly, A. M., Griffin, R. W. "Workplace violence, employer liability, and implications for organizational research." Journal of Management Inquiry.

Reeves, C., O'Leary-Kelly, A. (2007). "The Effects and Costs of Intimate Partner Violence for Work Organizations." Journal of Interpersonal Violence, 22(3), 18.

### **INVITED LECTURES**

Johnson, Jon and Anne O'Leary-Kelly (separately) were invited to present research to the University of Arkansas Law School faculty.

### **OTHER LECTURES, PAPERS, AND ORAL PRESENTATIONS**

Anand, Vikas, Gupta, Nina, Organizational Learning and Knowledge Conference, "Knowledge, Ignorance and Distortion: An Expanded Representation of Belief Structures in Groups," Richard Ivey School of Business, London, Ontario, Canada. (June 2007).

Anand, Vikas, Clark, Mark A., Skilton, Paul F., Annual Academy of Management Meetings, 2006, "Knowledge distributions and their impact on knowledge processing in groups," Academy of Management, Atlanta. (August 2006).

Delery, J. (Presenter & Author), Gupta, N., Annual Board Meeting, Mack-Blackwell Rural Transportation Center, Fayetteville, Ark., "Motor Carrier Effectiveness Project Update," Presented. (date: 2006).

Delery, J., Annual Meeting of the Academy of Management, Academy of Management, Atlanta, Ga., "Vertical and Horizontal Pay Dispersion and Store Outcomes: Implications for Strategy Implementation," Presented. (date: 2006).

Delery, J. (Presenter & Author), Gupta, N. (Author Only), Commercial Carrier Journal Fall Symposium, Commercial Carrier Journal, Scottsdale, Arizona, "Driver Satisfaction: Is it possible?" Presented. (date: November 15, 2006).

Delery, J., SCMRC Board Symposium, SCMRC, Fayetteville, Ark, Presented. (date: October 5, 2006).

Ellstrand, Alan, Johnson, Jon, Kepes, Sven, Academy of Management Annual Meeting, "Main Path Analysis of the Management Literature, 1983-2005: Toward a Methodology for Metareview," Academy of Management, Atlanta, Ga. (August 14, 2006).

Gioia, Dennis A, Nag, Rajiv, Corley, K G, Academy of Management Annual Conference, MOC division, "Visionary ambiguity and strategic change: The virtue of vagueness in the revision of organizational knowledge." Atlanta. (2006).

Gupta, Nina, Kepes S., Delery J.E., Shaw J.D. (Author Only), Academy of Management, "Vertical and horizontal pay dispersion and store outcomes: Implications for strategy implementation," Atlanta.

Johnson, Jon, Ellstrand, Alan, Kepes, Sven, Academy of Management Annual Meetings 2006, "Main path analysis of the management literature, 1983-2005: Toward a methodology for meta-review," Academy of Management, Atlanta, Georgia. (August 2006).

Johnson, Jon, Brass, Dan, Labianca, Joe, Academy of Management Annual Meetings 2006, "Advanced Social Networks Professional Development Workshop," Academy of Management, Atlanta, Ga. (August 2006).

Malakhov, A, Nag, R., Sanchez, D., Sanchez J.M, & Shook, C. Increasing student motivation during the semester. To be presented at the American Accounting Association Meeting, Chicago, Ill. 2007.

Nag R, Gioia, D.A., "The socio-cognitive foundations of interfirm heterogeneity in the use of knowledge as a resource," to be presented at Academy of Management Annual Conference, BPS division, Philadelphia, Pa.(2007).

Nag R., "Executive knowledge schemes: The fundamental drivers of managerial scanning," to be presented at the Strategic Management Society 27th International Conference, San Diego, Calif., (2007) Nag R., "How knowledge becomes a strategic resource" The concept of knowledgeable practice," to be presented at the Strategic Management Society 27th International Conference, San Diego, Calif., (2007).

Nag, Rajiv, Gioia, Dennis A, Academy of Management Annual Conference, MOC division, "From Common to Uncommon Knowledge: The Foundations of Knowledge as a Strategic Resource," Atlanta. (2006).

Nag, Rajiv, Hambrick, Donald C, Chen, Ming Jer, Academy of Management Annual Conference, BPS division, "The connection between strategic management and adjacent academic fields: A boundary-spanner view," Atlanta. (2006).

Nag, Rajiv, International Conference of Organizational Learning, Knowledge, and Capabilities, "Knowledgeable practice: Capturing the contextual use of knowledge as a strategic resource," University of Western Ontario, Canada, London.

O'Leary-Kelly, Anne, Reeves, Carol, Academy of Management Meetings, "The prevalence of intimate partner violence among employees and its impact on the workplace," Academy of Management, Atlanta, Ga. (August 2006).

Reeves, Carol, O'Leary-Kelly, Anne, Lean, Emily, Society for Industrial and Organizational Psychology, "Lightening the load or piling more on: The existence or absence of social support in the working lives of intimate partner violence victims," American Psychological Association, New York, N.Y. (March 2007).

Reeves, Carol, O'Leary-Kelly, Anne, Bates, Collette, Academy of Management Annual Conference, "The Prevalence of Intimate Partner Violence Among Employees and its," Academy of Management, Atlanta, Ga. (August 15, 2006).

Rosen, C. C., Harris, K. (2007, August). The Emotional Implications of Perceived Organizational Politics.

Rosen, C. C., Levy, P. E., & Johnson, R. E. (2007, August). Coping With Strains and Breaches: Consequences of Organizational Politics.

Rosen, C.C., Chang, C., Johnson, R.E., 22nd Annual Meeting of the Society of Industrial/Organizational Psychology, Callas, Tex. "Politics, stress, and satisfaction: Personal and situational buffers," Presented. (date: 2006).

Johnson, R.E., Chang, C., Rosen, C.C., Annual Meeting of the Academy of Management, Atlanta, Ga., "Linking justice to motivation: The effects of justice on self-concept, regulatory focus, and affect.," Presented. (date: 2006).

Johnson, R.E., Rosen, C.c., Levy, P.E., Dallas, Tex., "Getting to the core of core self-evaluations: A critical review," Presented. (date: 2006) Zweig, M. (Presenter & Author), Zweig Letter Hot Firms Conference, ZweigWhite, Inc., Chicago, Ill., "Live Each Day as if it Could be Your Last," Non-Academic, International, published elsewhere, Invited, Contributions to Practice. (2006, date: November 2006).

Zweig, M. (Presenter Only), Crafton & Tull Annual Meeting, Crafton & Tull, Fort Smith, AR, "Working in a high growth Firm," Non-Academic, Regional, Invited, Contributions to Practice. (2006, date: October 2006).

Zweig, M. (Presenter Only), Freshman Business Connections, Walton College, Fayetteville, Ark., "Guest speaker on entrepreneurship," Academic, Local, Invited, Contributions to Practice. (date: October 2006).

Zweig, M. (Presenter Only), Pathway to Principal, ZweigWhite, Inc., Phoenix, AZ, "What it means to be a principal," Non-Academic, National, Invited, Contributions to Practice. (2006, date: October 2006).

Zweig, M. (Presenter Only), College of Architecture Practice Management Course, U of A College of Architecture, Fayetteville, Ark., "What you need to know about marketing as a new architect," Academic, Local, Invited, Contributions to Practice. ( date: September 2006).

Zweig, M. (Presenter Only), Freshman Business Connections, Walton College, Fayetteville, Ark., "Freshman Business Connections," Academic, Local, Invited, Learning and Pedagogical Research. (date: September 2006).

## **Marketing and Logjstics**

### **BOOKS**

Kurtz, David L. Contemporary Business, 12th Edition. Mason, OH: Thomson South-Western, 2006.

Kurtz, David L., and Boone, Louis E. Contemporary Marketing, Russian Edition. Mason, OH: Thomson South-Western, 2006.

Kurtz, David L., and Boone, Louis E. Contemporary Marketing, 13th Edition. Mason, OH: Thomson South-Western, 2006.

## **CHAPTERS**

Murray, Jeff B., and Ozanne, Julie L. "Rethinking the Critical Imagination." In *The Handbook of Qualitative Research Methods in Marketing*; 46-58. Edward Elgar Inc. USA, 2006.

## **REFEREED ARTICLES**

Cherrier, H., Murray, J. "Reflexive Dispossession and the Self: Constructing a Processual Theory of Identity." *Consumption, Markets and Culture* Volume 10 Issue 1 (2006): 1-29.

John, K., Burton, S., Creyer, E. "The Provision of Trans Fat Information and Its Interaction with Consumer Knowledge." *Journal of Consumer Affairs* Volume 40 Issue Summer (2006): 163-176.

Kamath, N., Burton, S., Kamath, G. "Contrasting Organic and Conventional Food Products: Consumers' Subjective Perceptions and Objective Evaluations of Nutrition and Taste." *Journal of the International Society of Business Disciplines* 2 (2006): 37-47.

Keller, S.B., Lynch, D.F., Ellinger, A., Ozment, J., Calantone, R. "Empirical Confirmation, Validation and Outcomes of the Internal Marketing Mix." *Journal of Business Logistics* Volume 27 Issue 1 (2006): 109-137.

Kemp, E., Burton, S., Creyer, E., Tracy, S. "When Do Nutrient Content and Nutrient Content Claims Matter? Assessing Consumer Tradeoffs between Carbohydrates and Fat." *Journal of Consumer Affairs* 41 (2007): 47-43.

Kozup, J., Creyer, E.. "Boundary Conditions of the Impact of a Hypervigilant Coping Style on the Subjective Decision Making Experience." *Psychology and Marketing* Volume 23 Issue 11 (2006): 905-926.

Suter, T. A., Kopp, S., Hardesty, D. M. "The Effects of Consumers' Ethical Beliefs on Copying Behaviour." *Journal of Consumer Policy* Volume 29 (2006): 190-202.

Voss, M. D., Page, Jr., T. J., Keller, S. B., Ozment, J. "Determining Important Carrier Attributes: A Fresh Perspective Using the Theory of Reasoned Action." *Transportation Journal* Volume, 45 Issue 3 (2006): 7-19.

Waller, M., Nachtmann, H., Hunter, J. "Measuring the Impact of Inaccurate Inventory Information on a Retail Outlet." *International Journal of Logistics Management* Volume 17 Issue 3 (2006): 355-376.

Waller, M.A., Cassady, C.R., Ozment, J. "Estimating Inventory Benefits of Cross Docking in a Decentralized Retail Supply Chain." *Transportation Research: Part E (The Logistics and Transportation Review)* Volume 42 Issue 5 (2006): 359-382.

Waller, M.A., Cassady, C.R., Ozment, J. "Impact of Cross Docking on Inventory in a Decentralized Retail Supply Chain." *Transportation Research: Part E (The Logistics and Transportation Review* Volume 42 (2006): 359-382.

### **UNREFEREED PUBLICATIONS AND PROCEEDINGS**

Bui, M., Burton, S., Creyer, E., Kozup, J. "What Am I Drinking? An Exploration of the Effects of Serving Facts Information on Alcoholic Beverage Containers." Presented at the AMA Winter Educators' Conference, San Diego, Calif., 2007: 264-265.

Bui, M., Burton, S., Kozup, J., Creyer, E. "Reducing the Negative Effects of Excessive Alcohol Consumption: Will Proposed Serving Facts Labels on Alcoholic Beverages Help?" Presented at the Marketing and Public Policy Conference Proceedings, Chicago, Ill., 2006: 98-99.

Burton, S., Bates, K., Huggins, K. "TO EAT OR NOT TO EAT: Effects of Objective Nutrition Information on Consumer Perceptions of Fast Food Chains' Meal Healthiness, Future Health Concerns, and Meal Repurchase Intentions." Presented at the AMA Winter Educators' Conference, Chicago, Ill., 2006: 87-88.

Recipient of the Award for Best Paper in the Marketing and Society Track.

Creyer, E., Kemp, E. "Increasing Persuasion, Reducing Resistance: Maximizing the Efficacy of Persuasive Appeals for Esthetic Product Consumption." Presented at the Association for Consumer Research Conference, Orlando, Fla., 2006: 337-338.

Grünhagen, M., DiPietro, R. B. , Stassen, R., Frazer, L. "The Effective Delivery of Franchisor Services: A Comparison of U.S. and German Support Practices for Franchisees." Presented at the International Society of Franchising Conference, Las Vegas, Nev., 2007.

Huggins, K., Murray, J., Kees, J. "Collins Interaction Ritual Theory: Using Interaction Rituals to Conceptualize how Objects become Sacred Symbols." Presented at the Advances in Consumer Research Conference, Orlando, Fla., 2006: 335-336.

Jensen, T., Kees, J., Burton, S., Kemp, E. "The Effect of Prices for Incidental Products in Web Page Promotions on Consumer Price Perceptions for an Unrelated Target Product." Presented at the Academy of Marketing Science Conference, San Antonio, Tex, 2006: 128.

Kamath, N., Burton, S., Kamath, G. "Perception versus Reality: An Assessment of Consumers' Subjective Beliefs and Objective Evaluations of Nutrition Levels and Taste of Organic and Conventional Food Products." Presented at the International Society of Business Disciplines Conference, Las Vegas, Nev., 2006: 12.

Kees, J., Burton, S., Creyer, E., Knowles, E. "Consideration of Future Consequences as a Moderator of Temporal Framing and Regulatory Focus in a Risk Domain." Paper presented at the Association for Consumer Research Conference, Orlando, Fla., 2006.

Kees, J., Creyer, E., Knowles, E. "Re-Examining Smokers' Perceived Vulnerability to Disease: Self Report Measures May Not Tell the Whole Story." Presented at the European Advances in Consumer Research Conference, Sweden, 2006: 533-535.

Kemp, E., Murray, J. "Managing Experiential Marketing: Insight from a Prototypical Experience." Presented at the Advances in Consumer Research Conference, Orlando, Fla., 2006: 342-343.

Kozup, J., Creyer, E., Pagano, M. "The Effectiveness of Summary Information in Improving Consumer Comprehension and Evaluation of Mutual Fund Information." Presented at the Marketing and Public Policy Conference, Long Beach, Calif., 2006.

Smith, R. J., Chandon, P., Sprott, D. E., Morwitz, V. G., Spangenberg, E. R. "Does Asking Questions About Future Behavior Strengthen or Weaken Habits? The Role of Normative Beliefs." Presented at the Advanced Research Techniques Forum of the American Marketing Association, Santa Fe, N. Mex., 2007.

Smith, R. J., Perkins, A. W., Sprott, D. E., Spangenberg, E. R., Knuff, D. C., "Examining the Question-Behavior Effect Using the Implicit Association Test." Presented at the Association for Consumer Research Conference, Orlando, Fla., 2006.

Stassen, R. "Competition in Franchising: Brand Concentration, Saturation, and Performance in Limited Service Restaurants Markets." Presented at the International Society of Franchising Conference, Palm Springs, Calif., 2006.

Tangari, A., Burton, S., Andrews, C., Kees, J. "Effects of Smoker Status and Integrated Anti-Tobacco Campaign Advertising on Adult Antismoking Beliefs and Intentions to Quit Smoking." Presented at the Marketing and Public Policy Conference, Chicago, Ill., 2006: 32-33.

### **INVITED LECTURES**

Jensen, T. "ESET: Evaluating Students' Evaluations of Teaching" Presented at the Society for Marketing Advances Doctoral Consortium, Society for Marketing Advances, Nashville, Tenn., 2006.

# College of Education and Health Professions

## **BOOKS**

Custer, R., & Daugherty, M.K. (Eds.) (2007). ProBase professional development guide, International Technology Education Association/Center for the Advancement of Technology and Science, Reston, VA.

Daugherty, M.K., & Custer, R. (Eds.) (2006). Agriculture and related biotechnologies, International Technology Education Association/Center for the Advancement of Technology and Science, Reston, VA.\*

Daugherty, M.K., & Custer, R. (Eds.) (2006). Energy and power technology, International Technology Education Association/Center for the Advancement of Technology and Science, Reston, VA.\*

Daugherty, M.K., & Custer, R. (Eds.) (2006). Information and communication technologies, International Technology Education Association/Center for the Advancement of Technology and Science, Reston, VA.\*

Daugherty, M.K., & Custer, R. (Eds.) (2006). Manufacturing technology, International Technology Education Association and Center for the Advancement of Technology and Science, Reston, VA.\*

\*Included both a student edition and an instructor edition.

Gearhart, D. G. (2006). Philanthropy, fund raising, and the capital campaign: A practical guide, National Association of College and University Business Officers.

McComas, W. F. (Ed.) (2006). Investigating evolutionary biology in the laboratory: A complete guide to enhancing laboratory instruction. Dubuque, IA: Kendall/Hunt Publishing Company.

McComas, W. F. (2007). The nature of science in science education: Rationales and strategies (second edition). Dordrecht, the Netherlands: Springer Academic Publishers.

Miller, M., T., & Nadler, D. P. (Eds.) (2006). Student governance and institutional policy formation and implementation. Greenwich, CT: Information Age Publishing.

Murdick, N. L., Gartin, B. C., & Crabtree, T. (2007). Special education law (2<sup>nd</sup> ed.). Columbus, OH: Merrill/Prentice Hall

Neighbors, M. & Tannehill-Jones, R. (2006). Human diseases (2<sup>nd</sup> ed.) WEB Tutor. New York: Thompson.

Rubin, S., & Roessler, R. (2007). Foundations of the vocational rehabilitation process (6<sup>th</sup> ed.). Austin, TX: PRO-ED.

Rubin, S., & Roessler, R. (2007). Instructor's manual: Foundations of the vocational rehabilitation process. Austin, TX: PRO-ED.

Smith, T. E. C., Gartin, B. C., Murdick, N. L., & Hilton, A. (2006). Families and children with special needs: Professional and family partnerships. Upper Saddle River, NJ: Pearson/Merrill Prentice Hall.

## **CHAPTERS**

Banks, C. H. (2006). An inclusive approach to career planning: Women and racial or ethnic minorities. In M. Karsten (Ed.) Gender, race and ethnicity in the workplace. Connecticut: Greenwood Publishing Group, Inc.

Costrell, R. M. (2007). The winning defense in Massachusetts. In M. R. West & P. E. Peterson (Eds.), School money trials: The legal pursuit of educational adequacy (pp.278-304). Washington, DC: Brookings Institution Press.

Cowan, M. K., Kaiser, L. M., Hatton, D. C., Anderson, D. G., Kippenbrock, T., Westley, C., Fletcher, K. R. (2006). Health risks across the life span. In M. Stanhope & J.Lancaster (2<sup>nd</sup> ed.), Foundations of nursing in the community (pp. 363-400). St. Louis, MO: Mosby.

Farley, R.C., & Rubin, S.E. (2006). The intake interview. In Roessler, R. & Rubin, S. (Eds.) Case management and rehabilitation counseling-procedures and techniques,(pp. 33-50) (rev. ed.). Austin, TX: Pro-Ed.

Greene, J. P. (2006). Do funding systems create a perverse incentive to place students in special education? Yes. In M. A. Byrnes (ed.), Taking sides: clashing views in special education, 3rd edition. Dushkin/McGraw-Hill.

Greene, J. P. (2006). Fixing special education. In A. S. Gerber & E. M. Patashnik (Eds.), Promoting the general welfare: New perspective on government performance. Washington, DC: Brookings Institution Press.

Greene, J. P. (2006). Milton Friedman, vouchers, and civic values. In R. C. Enlow & L. T. Ealy (Eds.), Liberty and learning: Milton Friedman's voucher idea at fifty. Washington, DC: The Cato Institute.

Hazelrigs, J. M., & Kidd, T. (2007). Adventure series: Hiking techniques of hiking and backpacking. Champaign, IL: Human Kinetics.

Imbeau, M. B. (2006). Designing a professional development plan. In J. H. Purcell & R.D. Eckert, (Eds.), Designing services and programs for high-ability learners: A guidebook for gifted education (pp.183-194). Washington, D.C.: NAGC/Corwin Press.

Lirgg, C. D. (2006). Social psychology and physical education. In Kirk, D. (Ed.), *Handbook of research in physical education*, (pp.141-162). London: Sage Publications.

McComas, W. F. (2006). Historical challenges in evolution education. In W. F. McComas, (Ed.), *Investigating evolutionary biology in the laboratory*, (pp. 41-56). Dubuque, IA: Kendall/Hunt Publishing Company.

McComas, W. F. (2006). Philosophical challenges in evolution education. In W. F. McComas, (Ed.), *Investigating evolutionary biology in the laboratory*, (pp. 29-40). Dubuque, IA: Kendall/Hunt Publishing Company.

McComas, W. F. (2006). What evolution is and why we should accept it: Definitions, deconstruction, evidence and evolutionary biology. In W. F. McComas, (Ed.), *Investigating Evolutionary Biology in the Laboratory*, (pp. 18-28). Dubuque, IA: Kendall/Hunt Publishing Company.

McComas, W. F., Abraham-Silver, L., and Ma, L. (2006). Cognitive challenges in evolution education. In W. F. McComas, (Ed.), *Investigating evolutionary biology in the laboratory*, (pp. 57-81). Dubuque, IA: Kendall/Hunt Publishing Company.

Miles, J. M., & Miller, M. T. (2006). Increasing student participation in self-governance: The recommendations of student leaders. In M. Miller and D. Nadler (eds.), *Student governance and institutional policy formation and implementation*, (pp. 69-80). Greenwich, CT: Information Age Publishing.

Miller, M. T., & Hillis, S. R. (2006). Transfer students. In L. Gohn and G. Albin (eds.), *Understanding college student subpopulations, a guide for student affairs professionals* (pp. 295-311). Washington: National Association of Student Personnel Administrators.

Miller, M. T., & Nadler, D. P. (2006). Student involvement in governance: Rationale, problems, and opportunities. In M. Miller and D. Nadler (eds.), *Student governance and institutional policy formation and implementation*, (pp. 9-19). Greenwich, CT: Information Age Publishing.

Miller, M. T., & Kissinger, D. B. (2007). Connecting rural community colleges to their communities. In P. L. Eddy and J. P. Murray (eds.), *Rural community colleges: Teaching, learning, and leading in the heartland new directions for community colleges*, Number 137 (pp. 27-34). San Francisco: Jossey-Bass.

Moiseichik, M. (2007). Copyright and patent. *Law for recreation and sport managers*, (4th Ed.), (pp. 597-607), Kendall and Hunt.

Nafukho, F. M. (2007). Reforms in education and training as a strategic approach to workplace development competencies in Kenya. In V. C. X. Wang & K. P. King (Eds.), *Innovations in careers and technical education: Strategic competencies around the globe*. Information Age Publishing.

Nafukho, F. M. (2007). Ubuntuism: An African social philosophy relevant to adult and workplace learning. In K. P. King, & V. C. X. Wang (Eds.), *Comparative adult education around the globe*, (59-67). Hangzhou: Zhejiang University Press.

Nafukho, F. M. & Wang, V. C. X. (2007). Current instructional programs in career and technical education. *Innovations in careers and technical education: Strategic competencies around the globe*. Information Age Publishing.

Ritter, G. W. (2007). Education reform in Arkansas: Hitting a moving target. In J. Parry & R. Wang (Eds.), *Arkansas politics*.

Shadden, B. B. (2006). Rebuilding identity through stroke support groups: Embracing the person with aphasia and significant others. In R. Elman (Ed.), *Group treatment of neurogenic communication disorders: The expert clinician's approach* (2<sup>nd</sup> Ed.), San Diego, CA: Plural Publishing.

Shadden, B. B., & Hagstrom, F.H. (2007). Clinical assessment of language difficulties. In F. T. L. Leong (Ed.), *Encyclopedia of Counseling*. San Diego, CA: Sage.

Wang, V. C. X., & Nafukho, F. M. (2007). Historical perspectives of the different components of vocational education. *Innovations in careers and technical education: Strategic competencies around the globe*. Information Age Publishing.

### **REFEREED ARTICLES**

Banks, C. H. (2006). A descriptive analysis of the perceived effectiveness of Virginia Tech's faculty development institute. *International Journal of Learning and Intellectual Capital*, 3(2), 195-205.

Banks, C. H. (2006). A diffusion of innovation: Communicating to improve training and employee development. *International Journal of Strategic Change Management*, 1(1/2), 143-154.

Beck, J., Jewish adult learning and the workplace. *Advances in Developing Human Resources*, 8(3), 364-372.

Bokker, P, Farley, R. C., & Bailey, W. (2006). The relationship between custodial status and emotional well-being among recently divorced fathers. *Journal of Divorce & Remarriage*, 44(3/4), 83-98.

Bokker, L. P., Farley, R. C., & Denny, G. (2006). The relationship between father/child contact and emotional well-being among recently divorced fathers. *Journal of Divorce & Remarriage*, 45(1-2), 63-77.

- Brescia, W. F., & Miller, M. T. (2006). What's it worth? The perceived benefits of instructional blogging. *Electronic Journal for the Integration of Technology in Education*, 5, 44-53.
- Brooks, K. & Grover, K. (2006). Yearn, learn, earn, and return: A systems analysis of the impact of a degree completion program for working adults. *International Journal of Learning*.
- Brooks, K. & Nafukho, F. M. (2006). Human resource development, social capital, and emotional intelligence: Any link to productivity? *Journal of European Industrial Training*, 30(2), 117-128.
- Capps, M. A., & Miller, M. T. (2006). Essential elements for new student orientation: The perspective of secondary school personnel. *Journal of College Orientation and Transition*, 13(2), 29-40.
- Chambers, R. Turner, L.W., and Hunt, S. B. (2007). Application of ecological models to risks related to being overweight among nurses. *Psychological Reports*, 100,(3), 815-816.
- Costrell, R. M. (2006). Massachusetts' Hancock Case and the adequacy doctrine. Education Working Paper Archive, University of Arkansas, Fayetteville, AR.
- Daugherty, M., & Daugherty, J. (2006). Remember Virden! Coal mine wars of 1898 – 1900. *Illinois History Teacher*, 13(2), 15 – 22.
- Denny, G., & Young, M. (2006). An evaluation of an abstinence-only sex education curriculum: An 18-month follow-up. *Journal of School Health*, 76, 414-422.
- Di Brezzo, R., & Ferguson, R. (2006). Anaerobic power production of female athletes using modified ascent methods for the Margaria-Kalamen power test. *Journal of Physical Activity and Health Human Kinetics*, 238.
- Di Brezzo, R., Fort, I., Gray, M. (2006). Effects of varying exercise programs on bone mineral density and muscular strength for untrained older women. *Research Quarterly for Exercise and Sport*, 77(1), A-92 Supplement.
- Gaa, J., Moiseichik, M., & Marx, A. (2006). Who is publishing in our journals? *Scholarship*, 21, 35-46.
- Gale, A., Moss, R., Higgins, K. (2007). Special topics in the Journal of Counseling and Development. *Journal of Counseling and Development*, 85(2), 204-210.
- Graham, C. M. & Nafukho, F. M. (2007). Culture as a dependent variable in predicting organizational learning. *The Learning Organization*, 14(3), 281-292.
- Graham, C. M. & Nafukho, F. M. (2007). Culture, organizational learning and selected independent variables in small-size business enterprises. *Journal of European Industrial Training*, 31(2), 127-144.

- Graham, C. M. & Nafukho, F. M. (2007). Employee perception toward the dimension of culture in enhancing organizational learning. *The Learning Organization*, 14(3), 281-292.
- Graham, C. M. & Nafukho, F. M. (2007). Exploring organizational learning mechanisms in small-size business enterprises. *New Horizons in Adult Education & Human Resource Development*.
- Greene, J. P. & Winters, M. A. (2007). Debunking a special education myth. *Education Next*.
- Hammons, J. O., & Miller, M. T. (2006). Presidential perceptions about graduate preparation programs for community colleges. *Community College Journal of Research and Practice*, 30, 373-381.
- Hass, M., Hunt, S., Turner, L. (2007). Safety in the sun: An application of the health belief model to skin protection behaviors. *Arkansas Journal of Health, Physical Education, Recreation and Dance*, 42(1), 5-10.
- Hill, L. L., Foote, J. C., Erickson, B. D., Cerniglia, C. E., & Denny, G. S. (2006). Echinacea purpurea supplementation stimulates select groups of human gastro-intestinal tract microbiota. *Journal of Clinical Pharmacy and Therapeutics*, 31, 599-604.
- Holt, C. R., De Vore, J. B., Denny, G. S., Smith, R. M., & Capps, M. (2007). Learning preferences of 5<sup>th</sup> and 6<sup>th</sup> grade students in northwest Arkansas. *International Journal of Arts and Sciences*, 2(2), 29-33.
- Jochems, J., Hammons, J. O., & Stegman, C. (2006). Missouri A+ students: How are they doing? *Community College Review*, 34(21), 91-107.
- Jones, C., Freeman, J., Penhollow, T. (2006). Epidemiology of exercise equipment related injuries to young children. *Pediatric Emergency Care*, 22(3), 160-163.
- Kirkpatrick, L., Lincoln, F., & Morrow, L. (2006). Assessment of a collaborative teacher education program: Voices of stakeholders. *The Delta Kappa Gamma Bulletin*.
- Kirkpatrick, L., Lincoln, F. & Morrow, L. (2006). Assessment of a collaborative teacher preparation program: Voices of interns. *Delta Kappa Gamma Bulletin*, 73(1), 36-41, 45.
- Koch, L., Hennessey, M., Ingram, A., Rumrill, P., & Roessler, R. (2006). Faculty learning communities to promote full inclusion of students with disabilities on college and university campuses. *Rehabilitation Education*, 20(3), 191-200.
- Lee, S.M., Daniels, M.H., Kissinger, D.B. (2006). Parental influences on adolescent adjustment: Parenting styles versus parenting practices. *The Family Journal*, 14(3), 253-259.

- Lee, S.M., Puig, A., Pasquarella-Daley, L., Denny, G., Rai, A. A., Dallape, A., et al. 7 (2007). Revising the White Racial Consciousness Development Scale. *Measurement and Evaluation in Counseling and Development*, 39, 194-208.
- Lincoln, F. & Rademacher, B. (2006). Perceptual learning styles of adult northwest Arkansas ESL students. *Community College Journal of Research and Practice*, 30, 485-500.
- Lucas, C., & Bevis, T. B. (2006). The first hundred years: Chinese students in American colleges. *International Educator*, 15(6), 26-33.
- Miller, M. T., & Kang, B. (2006). Impact of sabbatical leaves on teaching: A case study of post-sabbatical measures. *E-Journal of Organizational Learning and Leadership*, 5(1), retrieved from <http://www.weleadinlearning.org/ejournal.htm>.
- Miller, M. T., & Tuttle, C. C. (2006). Rural community colleges and developing student perceptions of self-identity. *Community College Enterprise*, 12(2), 55-68.
- Miller, M. T., & Tuttle, C. C. (2006). Rural community colleges role in community development: Unintentional outcomes of continuing and extended education activities. *Journal of the National Council for Continuing Education and Training*, 35(1), 7-12.
- Miller, M. T., & Tuttle, C. C. (2007). Building communities: How rural community colleges develop their communities and the people who live in them. *Community College Journal of Research and Practice*, 31(2), 117-128.
- Miller, M. T., Murry, J. W., & Kang, B. (2006). Sabbatical leave programs as a form of faculty development. *Academic Leadership*, 4(1), retrieved from <http://www.academicleadership.org/>.
- Miller, M. T., Pope, M. L., & Steinmann, T. D. (2006). Trait and behavioral differences among community college students based on gender: Results of a national study. *Community College Journal of Research and Practice*, 30, 1-14.
- Mulvenon, S., & Ferritor, D. (2006). Grade inflation in higher education: Isolated or systemic? *International Journal of Learning*, 12(6), 55-62.
- Mulvenon, S., & Wang, K. (2006). Spatially referenced educational achievement data exploration: A web-based interactive system integration of GIS, PHP, and MYSQL technologies. *Journal of Educational Technologies*, 34(3).
- Mysore, A. R., Lincoln, F., & Wavering, M. J. (2006). Attitudes of preservice teachers toward issues in multicultural education. *Working Papers in Educational Linguistics*, 21(2), 73-85.
- Nafukho, F. M. (2006). Ubuntu worldview: A traditional African view of adult learning in the workplace. *Advances in Developing Human Resources*, 8(3), 408 - 415.

Nafukho, F. M. (2007, March). The place of e-learning in Africa's institutions of higher learning. *Higher Education Policy*, 20(1), 19-43.

Nafukho, F. M., Hinton, B. E., & Graham, C. M. (2007). A study of truck drivers and their job performance regarding highway safety. *Performance Improvement Quarterly*, 20(1), 61-74.

Newgent, R., Paladino, D., & Reynolds, C. (2006). Single session treatment of non-traumatic fear of flying with eye movement desensitization reprocessing: Pre and post September 11. *Clinical Case Studies*, 5(1), 25-36.

Poda, I., Murry, J. W., & Miller, M. T. (2006). Internet use in the developing world: A case study of an African university. *International Education Journal*, 7(3), 235-244.

Powell, M., Newgent, R., & Lee, S.M. (2006). Group cinematherapy: Using metaphor to enhance adolescent self-esteem. *The Arts in Psychotherapy*, 33, 247-253.

Powers, M., Di Brezzo, R., Shadden, B.B., & Gray, M. (2006). The impact of three modes of exercise on perceived health status. *The Gerontologist*, 46(1), 446.

Ripley, D., Hudson, I., Turner, R., & Brooks, K. (2006). Cross-national similarities and differences in employee perceptions of issues in the work environment. *Performance Improvement Quarterly*, 19(1), 41-66.

Roessler, R., Williams, B., Featherston, L., & Featherston, J. (2006). Motivational factors affecting ticket to work utilization. *Journal of Applied Rehabilitation Counseling*, 37(3), 23-32.

Shadden, B.B., & Koski, P. (2007). Social construction of self for persons with aphasia: When language as a cultural tool is impaired. *Journal of Medical Speech-Language Pathology*, 15(2).

Stewart, T., Wolf, P. J. & Corman, S. Q. (2007). Parent and student voices on the first year of the Opportunity Scholarship Program. *Peabody Journal of Education*, 82(2-3).

Thompson, D., Orr, B., Grover, K. & Thompson, C. (2007). Examining students' perceptions of their first semester experience at a major land grant institution. *College Student Journal*.

Toner, M.A. & Helmer, D. (2006). Helping typically developing children who can't read: Modifying instructional language. *Perspectives on School-Based Issues*, 7, 3-6.

Vacik, S., Nadler, D. P., & Miller, M. T., (2006). Community college vocational student expectations of institutional exit support. *Community College Journal of Research and Practice*, 30, 311-320.

Webb, J. D., Smith, K. D. H., & Williams, B. T. (2006). Perceptions of independent living: Influences on the relationship between disability and design. *Interdisciplinary Design Research Journal*.

Williams, B. T., Nafukho, F. M., Willis, F. A., Ward, J., Agan, J. P. & Najima, H. (2006). Evaluation of Arkansas adult numeracy campaign project. *International Journal of Vocational Education and Training*, 14(1), 65-84.

Wolf, P. J. (2007). Civics exam: Schools of choice boost civic values. *Education Next*. 7(3), 66-72.

Wolf, P. J., Eissa, N., & Gutmann, B. (2006). Who chooses, who uses? Initial evidence from the D.C. Opportunity Scholarship Program. Education Working Paper Archive, University of Arkansas, Fayetteville, AR.

Young, M. & Penhollow, T.M. (2006). The impact of abstinence education: What does the research say? *American Journal of Health Education*, 37, 194-202.

### **UNREFEREED PUBLICATIONS AND PROCEEDINGS**

Anderson, S. A., & Freeman, J. P. (2007). Controlling your financial future versus your future being controlled by your finances. NetResults.

Banks, C.H. (2006). Career planning: Towards a more inclusive model for women and diverse individuals. In F. M. Nafukho & H. Chen (Eds.), *Academy of Human Resource Development Annual Research Conference Proceedings*. Bowling Green, OH: Academy of Human Resource Development.

Banks, C. H., & Jones, J.D. (2006). Factors that influence minority working adults to enroll in online higher education degree programs. In L. Jeris (Ed.) *15th Annual African American and Latino(a) American Adult Education Research Symposium proceedings*. De Kalb, IL.

Banks, C.H., Parker, J., & Thomson, M.A. (2006). The role of social setting in adult information technology. In F. M. Nafukho & H. Chen (Eds.), *Academy of Human Resource Development Annual Research Conference Proceedings*. Bowling Green, OH: Academy of Human Resource Development.

Banks, C.H., Wang, J., Zheng, W., & McLean, L. (2007). Human resource development scholar-practitioners: Connecting the broken divide of research and practice. In F. M. Nafukho & T. J. Chermack (Eds.), *Academy of Human Resource Development Annual Research Conference Proceedings*. Bowling Green, OH: Academy of Human Resource Development.

Barnett, J. H. & Ritter, G. W. (2006). Objective or subjective? Examining the relationship between professional evaluations and the value-added model of the Teacher Advancement Program. Association for Public Policy Analysis and Management. Madison, WI.

Barnett, J. H., Ritter, G. W., Winters, M. A., Greene, J. P. (2007). Evaluation of year one of the Achievement Challenge Pilot Project in the Little Rock Public School District. Department of

Education Reform. University of Arkansas, Fayetteville, AR. Retrieved from [http://www.uark.edu/ua/der/Research/merit\\_pay.html](http://www.uark.edu/ua/der/Research/merit_pay.html)).

Barnett, J. H., Winters, M. A., Ritter, G.W., & Greene, J.P. (2006). How much value is added? An evaluation plan for the Achievement Challenge Pilot Project. Association for Public Policy Analysis and Management. Madison, WI.

Bisbee, D. C., & Miller, M. T. (2006). A survey of the literature related to executive succession in land grant universities. *Resources in Education*, 41(30), ERIC Database Reference Number ED 491565.

Bisbee, D. C., & Miller, M. T. (2006). Executive succession practices in land grant universities. *Academic Leadership*, 4(3). Retrieved from [www.academicleadership.org/volume4/issue3/articles/bisbee\\_miller](http://www.academicleadership.org/volume4/issue3/articles/bisbee_miller).

Brooks, K. Beck, J., Nafukho, F.M., & Mungania, P. (2007). Defining the leadership challenges to growth of an international non-governmental organization. In F. M. Nafukho, & T. Chermack (Eds.). *Proceedings of the Academy of Human Resource Development 2007 International Conference*. Bowling Green, OH: AHRD.

Brumfield, R., & Miller, M. T. (2006). The leadership needs of college presidents: A practical question and response. *John Ben Shepperd Journal of Practical Leadership*, 1(1), 9-17.

Costrell, R. M. & Podgursky, M. (2007). Efficiency and equity in the time pattern of teacher pension benefits: An analysis of four state systems. Working Paper #6. Center for Analysis of Longitudinal Data in Education Research (CALDER), The Urban Institute. Retrieved from [http://www.caldercenter.org/PDF/1001070\\_Efficiency\\_Equity.pdf](http://www.caldercenter.org/PDF/1001070_Efficiency_Equity.pdf)).

Costrell, R. M. & Podgursky, M. (2007). Golden peaks and perilous cliffs: Rethinking Ohio's teacher pension system. Thomas B. Fordham Institute Foundation. Retrieved from <http://edexcellence.net/foundation/publication/publication.cfm?id=371>.

Daugherty, M.K. (2006). Advanced manufacturing curriculum guide and frameworks. Arkansas Department of Workforce Education, 1 – 161.

Daugherty, M.K. (2007). Career and technical education: A difference that matters. *Southeast Education Network Magazine*, 9(2), 48.

Daugherty, M.K. (2006). Problem-based learning for K-12 engineering. *International Conference on Engineering Education Conference Proceedings*, San Juan, Puerto Rico: T1A-1 – T1A-6.

Davis, C., & Miller, M. T. (2006). Preventative legal considerations for department chairs while fundraising. *The Department Chair*, 17(1), 5-7.

Freeman, J. P. (2007). Community colleges in higher education: The role of community colleges in serving the underserved student. *Planning for Higher Education*, 35(3), 56-62.

Freeman, J. P., & Lofgren, S. T. (2006). Integrating facilities management and residential education, SEAHO Report, 22-24.

Freeman, J. P., & Ryan, C. E. (2006). Often a rocky road to travel: Leading with professionalism. NetResults.

Freeman, J. P., & Wilmes, D. (2007). Enhancing student learning through integrated strategic planning. *All Things Academic*, 8(2).

Graham, M. C., & Nafukho, F. M. (2006). Analysis of a small business enterprise's culture as a dependent variable in predicting organizational learning readiness. In F. M. Nafukho, & S. Chen. *Proceedings of the Academy of Human Resource Development*. Bowling Green, OH: AHRD.

Graham, C. M. & Nafukho, F. M. (2007). In *Leadership and organizational learning: Accounting for variances in small-size business enterprises*. In Nafukho, F. M., & T. Chermack (Eds.). *Proceedings of the Academy of Human Resource Development International Conference*. Bowling Green, OH: AHRD.

Graham, C. M., & Nafukho, F. M. (2007). Perception toward organizational learning culture in small-size business enterprises. In F.M. Nafukho, & T. Chermack, (Eds.). *Proceedings of the Academy of Human Resource Development International Conference*. Bowling Green, OH: AHRD.

Greene, J. P. (2006). Education myths. *The American Enterprise*, July and August.

Greene, J. P. & Winters, M. A. (2007). How much are public school teachers paid? *Manhattan Institute Civic Report*, No. 50. Retrieved from [http://www.manhattan-institute.org/html/cr\\_50.htm](http://www.manhattan-institute.org/html/cr_50.htm).

Greene, J. P., Carr, M., & Holley, M. (2007). Out-in-Left-Field Trips. *City Journal*, 17, (2).

Greene, J. P., Butcher, J., Jensen, L. I., & Shock, C. (2007). You can't choose if you don't know: The failure to properly inform parents about NCLB school choice. *Education Working Paper Archive*, University of Arkansas, Fayetteville, AR.

Holt, C. R., Wendt, M., & Smith, R. M. (2006). School bond success: An exploratory case study. *The Rural Educator*, 27(2), 11-18.

Holt, C. R., Denny, G. S., Capps, M., & DeVore, J. B. (2006). Teachers' ability to perceive student learning preferences: "I'm sorry, but I don't teach like that." *Teachers College Record*.

Lewis, N., & Miller, M. T. (2006). Coaching college women's golf: Profiling an emerging profession. *Resources in Education*, 41(22). ERIC Database Reference Number ED 491687.

Lu, M. Y., Mao, C. L., & Miller, M. T. (2006). Teaching adults in a blended learning environment. *Exchanges: The Online Journal of Teaching and Learning in the California State University System*. Retrieved information from [www.exchangesjournal.org](http://www.exchangesjournal.org).

Miles, J. M., Miller, M., & Nadler, D. P. (2007). Practical strategies for developing student government leaders: Results of a national study. *JBS Journal of Practical Leadership*, 2(1), 174-179.

Miller, M. T. (2006). Introduction to the special issue on the research of the Council for the Study of Community Colleges. *Community College Journal of Research and Practice*, 30, 291-292.

Miller, M. T. (2007). A review of learning motivation in the postsecondary classroom. *Community College Journal of Research and Practice*, 31(3), 247-248.

Miller, M. T., & Lu, M. Y. (2006). Comparison of historically non-democratic nationality faculty in democratic decision-making in US higher education institutions. *Resources in Education*, 41. ERIC Database Reference Number ED 490772.

Miller, M. T., & Tuttle, C. C. (2006). How rural community colleges develop their communities and the people who live in them. MidSouth partnership for rural community colleges policy brief. Meridian, MS: Rural Community College Alliance.

Miller, M. T., & Newman, R. E. (2007). Performance appraisal interviews as a tool to improve faculty work. *Academic Leader*, 23(1), 1,6.

Mulvenon, S., Newgent, R., Stegman, C., McKenzie, S., & Featherston, L. (2006). ACES executive summary: Final ACES evaluation report. Fayetteville, AR: National Office for Research on Measurement and Evaluation Systems.

Nafukho, F. M. (2006). Africans must learn from errors of best universities. *The East African Standard, Commentary*, retrieved December 30, 2005 from [http://www.eastandard.net/archives/cl/hm\\_news/news.php?articleid=34286&date=30/12/2005](http://www.eastandard.net/archives/cl/hm_news/news.php?articleid=34286&date=30/12/2005).

Nafukho, F. M. (2006). Dialogue is the only option out of lecturer's strike. *Sunday Times*, retrieved November 20, 2006 from <http://www.timesnews.co.ke/19nov06/letters/letters1.html>

Nafukho, F. M. (2006). Let us harness our ideas to create wealth. *The East African Standard, Interactive Column*, 1.

Nafukho, F. M. (2006). Ranking of universities raises more questions. *The East African Standard, Commentary*, retrieved December 29, 2005 from [http://www.eastandard.net/archives/cl/hm\\_news/news\\_s.php?articleid=34234&ate=29/12/2005](http://www.eastandard.net/archives/cl/hm_news/news_s.php?articleid=34234&ate=29/12/2005).

Nafukho, F. M. (2007). Biggest challenge in wealth creation, Kenya Times, retrieved March 16, 2007 from <http://www.timesnews.co.ke/16mar07/nwsstory/opinion.html>.

Nafukho, F. M. (2007). Is youth fund a myth or new gateway to success? Daily Nation, retrieved February 7, 2007 from [http://www.nationmedia.com/dailynation/nmgcontententry.asp?category\\_id=25&newsid=91294](http://www.nationmedia.com/dailynation/nmgcontententry.asp?category_id=25&newsid=91294).

Nafukho, F. M. (2007). Is youth fund the new path to Jerusalem? Retrieved from [http://www.eastandard.net/hm\\_news/news.php?articleid=1143964550](http://www.eastandard.net/hm_news/news.php?articleid=1143964550).

Nafukho, F. M. (2007). Varsities must adopt marketing strategies. Retrieved from [http://www.eastandard.net/hm\\_news/news.php?articleid=1143968074](http://www.eastandard.net/hm_news/news.php?articleid=1143968074).

Nafukho, F. M., & Park, O. (2006). Design and successful delivery of online courses: A revisit. Conference proceedings of the Hawaii 4<sup>th</sup> International Conference on Education. Honolulu, HI., Hawaii International Conference on Education.

Nafukho, F. M., Chermack, T., & Graham, C. M. (Eds.). (2007). Proceedings of the Academy of Human Resource Development. Bowling Green, OH.

Nafukho, F. M., Hinton, E. B., Graham, M. C., & Yang, G. H. (2006). A study of work conditions, selected demographic variables and employee job performance. In F. M. Nafukho, & S. Chen. Proceedings of the Academy of Human Resource Development.. Bowling Green, OH: AHRD.

Nafukho, F., Hinton, B., and Graham, C. (2006), A study of truck drivers and their job performance regarding highway safety, Performance Improvement Quarterly, 20(1) 61-74, Silver Springs, MD.

Nafukho, F. M., Graham, C. & Brooks, K. (2007). Arkansas education services cooperative client satisfaction survey. Report submitted March 2007.

Newgent, R. (2006). Health initiatives school based social services program year 1 evaluation report: 2005-2006 school year. Fayetteville, AR: National Office for Research on Measurement and Evaluation Systems.

Newgent, R., & Cavell, T. (2006). Peer safety project: 2<sup>nd</sup> year summary. Fayetteville, AR: Counselor Education Program and Department of Psychology, University of Arkansas.

Newgent, R., & Lee, S. (2006). Health Initiatives School Based Social Services Program Preliminary Evaluation Report: 2005-2006 School Year. Fayetteville, AR: National Office for Research on Measurement and Evaluation Systems.

Newgent, R., Higgins, K., Mulvenon, S., & Balkin, R. (2006). Improving the supervisory working alliance: A pilot study of personality differences between novice and experienced counselors. Resources in Education. (ERIC Accession No. ED 490 502)

Roessler, R., & Rumrill, P. (2006). Win-win approach to reasonable accommodations (4<sup>th</sup> printing). New York: National Multiple Sclerosis Society.

Thompson, C., Thompson, D., & Owens, T. (2006). Encouraging effective teaching behaviors with preservice teachers. Proceedings Hawaii International Conference on Education.

Thompson, D., Owens, T., Thompson, C., & Grover, K. (2006). Students' perceptions of undergraduate human resource development course delivery method. Proceedings Hawaii International Conference on Education.

Thompson, D., Owens, T., Thompson, C., & Grover, K. (2006). Students' preferences of undergraduate human resource development course delivery method. Proceedings Hawaii International Conference on Education.

Tull, A. (2007) Values congruence as an examination of person-organization fit for student affairs administrators. Proceedings of the National Institute on College Student Values, 17. Tallahassee, FL: Florida State University.

Winters, M. A., Ritter, G. W., Barnett, J. H., & Greene, J. P. (2007). An evaluation of teacher performance pay in Arkansas. Department of Education Reform. University of Arkansas, Fayetteville, AR. Retrieved from [http://www.uark.edu/ua/der/Research/performance\\_pay\\_ar.html](http://www.uark.edu/ua/der/Research/performance_pay_ar.html).

Wolf, P. J. (2006). Academic Improvement through regular assessment. Annual Conference of the Department of Education Reform, College of Education and Health Professions, University of Arkansas. Kauffman Conference Center, Kansas City, MO.

Wolf, P. J. (2007). Civics exam: schools of choice boost civic values. Report of the Program on Education Policy and Governance, Harvard University. Retrieved from [http://www.ksg.harvard.edu/pepg/PDF/Papers/Wolf\\_Civics\\_Exam\\_PEPG07-05.pdf](http://www.ksg.harvard.edu/pepg/PDF/Papers/Wolf_Civics_Exam_PEPG07-05.pdf).

Wolf, P. J. et al. (2007). Evaluation of the DC Opportunity Scholarship Program: Impacts after one year. National Center for Education Evaluation and Regional Assistance, Institute for Education Sciences, U.S. Department of Education, NCEE 2007-4009. Retrieved from <http://ies.edu.gov/ncee>.

Wolf, P.J. & Cornman, S. Q. & Stewart, T. (2007). New education consumers: Parent and student voices on the second year of the D.C. Opportunity Scholarship Program. Report of the School Choice Demonstration Project, Georgetown University, SCDP 07-01.

## **INVITED LECTURES**

Agan, J. & Toner, M.A. (2006). School-based SLPs' involvement in providing reading-related services. ArkSHA Annual Convention, Hot Springs, AR.

Banks, C.H. (2006). Safeguarding the public—responsible business practices, ethical behavior, and fraud prevention. Midwest Business Administration Association International Conference, Chicago, IL.

Barta, K., Neighbors, M., Shrum, S., Z. Wang. (2006). The perception of the school nurse's role by school nurses and superintendents: A comparison between Arkansas and Texas. University of Arkansas and Pi Theta 15<sup>th</sup> Annual Nursing Excellence in Research and Practice, Springdale, AR.

Battjes, J., Cain, J., Conley, S., Mayes, S., & Thorpe, J. (March 2007). Careers in sports – a panel presentation on sports-related careers. University of Arkansas, Fayetteville, AR.

Beck, J. (2006). What is it like to be a member of a blended-technology HRD program serving undergraduate students in rural communities in arkansas, USA? 5th International Asia HRD Conference, Malaysia.

Brooks, K. Beck, J., Nafukho, F.M., & Mungania, P. (2007). Defining the leadership challenges to growth of an international non-governmental organization. Paper presented during the Academy of Human Resource Development International Research Conference, Indianapolis, IN.

Costrell, R. M. (2007). Incentives of teacher pension benefits: Arkansas and selected other states. Arkansas Teacher Retirement System Annual Board Seminar, Heber Springs, AR.

Costrell, R. M. (2007). Public school finance under U.S. fiscal federalism. Lincoln Land Institute International Conference on “Land Policies and Fiscal Decentralization,” Cambridge, MA.

Costrell, R. M. (2007). The case for teacher pension reform. American Legislative Exchange Council Education Task Force, Spring Task Force Summit, Hilton Head, SC.

Costrell, R. M. & Podgursky, M. (2007). Efficiency and equity in the time pattern of teacher pension benefits: An analysis of four state systems. American Education Finance Association, Baltimore, MD.

Daugherty, M.K. (2006). Exploring technology curriculum workshop. North Dakota Department of Education. Bismarck, ND.

Daugherty, M.K. (2006). Pre-conference workshop: Developing standards-based curriculum materials. International Technology Education Association Annual Conference, Baltimore, MD.

Daugherty, M.K. (2006). Probase: Problem based engineering curriculum workshop. North Dakota Department of Education, Bismarck, ND.

Daugherty, M.K. (2006). Problem based learning for K-12 engineering. International Conference for Engineering Education, San Juan, Puerto Rico.

Daugherty, M.K. (2006). Teaching engineering education at the secondary level. Four States Technology Conference, Pittsburg, KS.

Daugherty, M.K. (2007). The foundations of technology. Oklahoma Department of Career and Technical Education, Tulsa, OK.

Daugherty, M.K., & Pendergraph, K.A. (2007). Advanced design applications. International Technology Education Association Annual Conference. San Antonio, TX.

De Vore, J. (2006). Energy savings drying process for lumber. 8<sup>th</sup> Conference on Process Integration, Modeling and Optimization for Energy Saving and Pollution Reduction, Giardini Naxos, Italy.

Dwyer, D. & Thompson, D. (2007). Adult learner's perceptions of an undergraduate HRD degree completion program. Hawaii International Conference on Education, Honolulu, HI.

Elman, R., Shadden, B.B., Cohen-Schneider, R., & Garrett, K. (2006). Aphasia Groups: One size does not fit all. Annual Convention of the American Speech-Language Hearing Association, Miami, FL.

Graham, M. C., & Nafukho, F. M. (2006). Analysis of a small business enterprise's culture as a dependent variable in predicting organizational learning readiness. Academy of Human Resource Development International Research Conference, Columbus, OH.

Graham, C. M. & Nafukho, F. M. (2007). In Leadership and organizational learning: Accounting for variances in small-size business enterprises. Academy of Human Resource Development International Research Conference, Indianapolis, IN.

Graham, C. M., & Nafukho, F. M. (2007). Perception toward organizational learning culture in small-size business enterprises. Academy of Human Resource Development International Research Conference, Indianapolis, IN.

Holt, C. R., DeVore J., Denny G., & Capps, M. (2006). 5<sup>th</sup> and 6<sup>th</sup> grade learning preferences in northwest Arkansas. National Conference of Professors of Educational Administration, Branson, MO.

Lawson, G. (2006). Community assessment for screening for peripheral arterial disease: A database for program development. Presented at the Clinical Nurse Specialist Recognition Day Fall Conference, Tulsa, OK.

Lirgg, C.D. (2007) "Visualization". UA Human Relations Workshop, Fayetteville, AR.

- Mayes, S. (2007). Foxtrot turns – a master class for elementary students at risk. Mathais Elementary School, Rogers, AR.
- Mayes, S & Hagstrom, F. (2006). M & M's: classroom manners & management. University of Arkansas Wally Cordes Teaching and Faculty Support Center Teaching Retreat, Eureka Springs, AR.
- Moiseichik, M. (2006). The status of tort immunity in United States. Annual Sport, Physical Education, Recreation, and Law Conference, Chapel Hill, NC.
- Nafukho, F. M. (2006). Public policy for transportation safety. World Health Organization, New Delhi, India.
- Nafukho, F. M. (2007). Financing higher education in Kenya: The Critical Role of Africans in Diaspora. International Conference on The Role of the Kenyan Diaspora in Kenya's Development. Institute of Global Initiative, Kennesaw State University.
- Nafukho, F. M., & Park, O. (2006). Design and successful delivery of online courses: A revisit. Hawaii 4<sup>th</sup> Educational International Conference, Honolulu, HI.
- Nafukho, F. M., Khayesi, M. & Alke, E. (2006). What are we measuring in road safety education impact research? 8<sup>th</sup> World Conference on Injury Prevention & Safety Promotion, Durban, South Africa.
- Nafukho, F. M., Hinton, E. B., Graham, M. C., & Yang, G. H. (2006). A study of work conditions, selected demographic variables and employee job performance. Academy of Human Resource Development International Research Conference, Columbus, OH.
- Nafukho, F. M., Mungania, P., Brooks, K., Beck, J., & Fike, G. (2006). Leadership development program for a non-profit International NGO, Kiev, Ukraine.
- Nafukho, F. M., Mungania, P., Brooks, K., Beck, J., & Fike, G. (2006). Leadership development program for a non-profit international NGO, Accra, Ghana.
- Neighbors, M. (2006). Levels of advocacy and developing action plans. Presented at the School Nurse Summer Institute, Fayetteville, AR.
- Oliver, G.D. (2007). Biomechanics of throwing. RAZOR Fitness Sports Medicine Symposium, Fayetteville, AR.
- Oliver, G.D. (2006). Surface anatomy of the upper extremity. Southwest Athletic Trainers' Association Annual Meeting, Little Rock, AR.
- Powers, M., Shadden, B.B., & Gray, M. (2006). The impact of three modes of exercise on perceived health status. Posters Session, 57<sup>th</sup> Annual Scientific Meeting of the Gerontological Society of America, Dallas, TX.

Powers, M., DiBrezzo, R., Shaden, B.B., & Gray, M. (2006). Comparison of the effects of land and water-based exercise on memory among mature women. Poster Session, 57th Annual Scientific Meeting of the Gerontological Society of America, Dallas, TX.

Ritter, G. W. (2007). An evaluation of the Little Rock Achievement Challenge Pilot Project. Florida Senate Education Committee.

Ritter, G. W. (2007). An evaluation of the Little Rock Achievement Challenge Pilot Project. Little Rock School Board, Little Rock, AR.

Ritter, G. W. (2007). An evaluation of the Little Rock Achievement Challenge Pilot Project. Press Conference, State Capitol, Little Rock, AR.

Ritter, G. W. (2007). ESEA reauthorization: Boosting quality in the teaching professions. Testimony to U.S. House of Representatives Committee on Education and Labor hearing, Washington, DC.

Ritter, G. W. (2007). Office for Education Policy Presentation. Arkansas General Assembly Joint Education Committee.

Ritter, G. W., & Barnett, J. H. (2007). State of Arkansas school funding analysis: Comparing 2003-04 and 2004-05 revenue and expenditure in Arkansas schools. Arkansas Senate, Little Rock, AR.

Ritter, G. W., Riffel, B. & Murphy, C. (2007). Snapshots of success: Technology integration in Arkansas schools.

Roessler, R. (2006). Career development needs of postsecondary students with learning disabilities and attention deficit disorder/attention deficit hyperactivity disorder. Poster Session, Hawaii International Conference on Education, Honolulu, Hawaii.

Roessler, R. (2007). Strategies for improving career services for post secondary students with disabilities. California Association for Post-Secondary Education and Disability Association, South Lake Tahoe, CA.

Roessler, R. (2006). Workshop on postsecondary education of students with disabilities. Taking the next step: College to career. Kent State University, Center for the Study of Disability.

Sassin, J., Pack, T. & Williams, B. (2006). Arkansas employment initiative: Building community stakeholders, positive partnerships: Rehabilitation in the 21<sup>st</sup> Century. NRA Annual Training Conference, Orlando, FL.

Shadden, Barbara (2006). Come together: Identification of barriers, creating solutions, and effecting change. Annual Conference of the Council of Academic Programs in Communication Sciences and Disorders, Palm Springs, CA.

Shadden, B. (2006). Critical issues in aging. University of Central Arkansas, Conway, AR.

Shadden, B. (2006). The quantitative/qualitative conundrum: Can word counts illuminate living with aphasia. Poster, Annual Convention of the American Speech-Language Hearing Association, Miami, FL.

Shadden, B. (2006). Using e-mail content to analyze family adaptation to aphasia over time. Poster 36<sup>th</sup> Annual Clinical Aphasiology Conference, Ghent, Belgium.

Smith, K., Webb, J., Miller, N. & Williams, B. (2006). Arkansas health & housing survey: Summary report. Arkansas Universal Design Project Fall Strategic Planning Meeting, Little Rock, AR.

Smith-Blair, N. (2006). Diaphragm contractility and oxidant stress in the emphysema induced hamster diaphragm. Poster, National Congress on the State of the Science in Nursing Research. Improving Life: Development and Dissemination of Nursing Innovation, Washington, D.C.

Thompson, C., Thompson, D., & Owens, T. (2006). Encouraging effective teaching behaviors with preservice teachers. Hawaii 5<sup>th</sup> International Conference on Education, Honolulu, HI.

Thompson, C., Thompson, D., & Owens, T. (2006). Encouraging teachers to evaluate their teaching strategies. Arkansas Association of Family and Consumer Sciences Annual Meeting, Fayetteville, AR.

Thompson, D., Owens, T., Thompson, C., & Grover, K. (2006). Students' perceptions of undergraduate human resource development course delivery method. Hawaii International Conference on Education, Honolulu, HI.

Thompson, C., Owens, T. & Thompson, D. (2007). Undergraduate students' perceptions of web classes. Arkansas Association of Family and Consumer Sciences Annual Meeting, Fayetteville, AR.

Thompson, C., Thompson, D., & Owens, T. (2007). Helping novice teachers evaluate teaching strategies. Hawaii 5<sup>th</sup> International Conference on Education, Honolulu, Hawaii.

Toner, M.A. (2006). Monkey and floating head: Controlling recurrence of muscle tension dysphonia. ASHA National Convention, Miami, FL.

Toner, M.A. & Helmer, D. (2006). Helping "normal" children who can't read: Modifying instructional language. Annual Conference for Speech-Language Pathologists in the Schools, Phoenix, AR.

Toner, M.A. & Helmer, D. (2006). Helping "normal" children who can't read: modifying instructional language. ArkSHA Annual Convention, Hot Springs, AR.

Toner, M.A. & Helmer D. (2006). When language is normal but reading isn't: Possible solutions. ASHA National Convention, Miami, FL.

Wawire, N. W., & Nafukho, F. M. (2006). Investment in human capital through institutions of higher education for the revival of Kenya's economy. Academy of Human Resource Development International Research Conference, Columbus, OH.

Williams, B. (2006). Substance abuse and disability: Incidence and implications for service marching forward... changing the future. Arkansas Rehabilitation Association Spring Training Conference, Hot Springs, AR.

Williams, B. & Sassin, J. (2006). Training rehabilitation professionals on disclosure of disability from stake-holder's perspective. NRA Annual Training Conference, Orlando, FL.

Wolf, P. J. (2006). New education consumers. Second Year Report on Parent and Student Voices on the Opportunity Scholarship Program, Georgetown University, Washington, DC.

Wolf, P. J. (2006). Successful school choice programs nationwide. Testimony, Texas Senate Education Committee. University of Houston Hilton, Houston, TX.

Wolf, P. J. (2006). The opportunity scholarship program evaluation: An update. Briefing to the Senior Staff, U.S. Senate Committee on Health, Education, Labor, and Pensions, Washington, DC.

Wolf, P. J. (2006). The opportunity scholarship program: First year impacts. Briefing to the Senior Staff, Institute for Education Sciences, U.S. Department of Education, Washington, DC.

Wolf, P. J. (2007). The U.S. experience with education accountability. Keynote address Conference of Accountability: An Opportunity for Educational Improvement, Program for the Reform of Education in Latin America. The Inter-American Dialogue, Mexico City, Mexico.

Wolf, P. J. (2006). The U.S. experience with education reform. Discussion with the Right Honorable Alan Johnson, Secretary of State for Education and Skills, United Kingdom, hosted by Sir David Manning, Ambassador to the United States, British Embassy, Washington, DC.

Van Der Smissen, B., Sharp, L., & Moiseichik, M. (2006). Human error in risk management. Annual Sport, Physical Education, Recreation, and Law Conference, Chapel Hill, NC.

### **OTHER LECTURES, PAPERS, AND PRESENTATIONS**

Akins, C., Malcolm, K.T., Cavell, T.A., & Newgent, R.A. (2007). Beyond provocation: Should we assess children's social cognitions in other developmentally relevant situations? Presentation at the Society For Research in Child Development [SRCD], Boston, MA.

Banks, C.H. (2006). Marnie's case study: How do we reduce time constraint and maneuver through the crossroads. Pre-conference Session Academy of Human Resource Development Annual Research Conference in Columbus, OH.

Banks, C.H. (2006). Stephen's case study: Hiring an HRD scholar practitioner for time constraint reasons. A pre-conference session Academy of Human Resource Development Annual Research Conference in Columbus, OH.

Brescia, W., & Murhpy, C. (2006). The role of educational technology professionals as perceived by building administrators. Annual Society for Information Technology in Education Conference, Orlando, FL.

Calleja, P., Kern, J., and Hunt, S. B. (2006). Blending theory with practice in physical education. Arkansas Association of Health, Physical Education, Recreation and Dance, Hot Springs, AR.

Calleja, P. C., Kern, J. C., & Hunt, S. B. (2006, November). The development of an online masters degree at the University of Arkansas. Poster, National Association for Sport and Physical Education Conference, Long Beach, CA.

Capps, M. A., & Holt, C. R. (2006). Followership in the public schools. National Conference of Professors of Educational Administration, Lexington, KY.

Chambers, R., Young, M. and Donnelly, J. (2006, October). Victims and perpetrators: Correlates of bullying behavior. American School Health Association, St. Louis, MO.

Daugherty, M.K., & Daugherty, J. (2007). Thinking in time: Affecting technological literacy through oral history research. 18th Pupils Attitudes Toward Technology International Conference. Glasgow, Scotland, UK.

Denny, G., & Young, M. (2007). For which students is Sex Can Wait most effective? Abstinence Education Evaluation Conference, Baltimore, MD.

Denny, G. and Young, M. (2007, March). For whom was the intervention most effective: Results from the Sex Can Wait evaluation study. National Abstinence Education Evaluation Conference, Baltimore, MD.

DiBrezza, R., Fort, I.L., & Oliver, G.D. (2007, March). Coming full circle: Athletics playing with academia. American Alliance for Health, Physical Education, Recreation and Dance National Convention and Exposition, Baltimore, MD.

Farland, D. and McComas, W.F. (2006). Deconstructing the DAST (Draw-a-scientist-test): Considering the validity and reliability of E-DAST (enhanced DAST). School Science and Mathematics Association, Missoula, MT.

Gartin, B. G., Murdick, N. L., & Rhomberg, T. (2006). Differentiation of instruction in secondary classrooms. Council for Exceptional Children Annual Conference and Expo. Salt Lake City, UT., (Poster).

Gartin, B. G., Murdick, N. L., & Rhomberg, T. (2006). Differentiation of instruction in secondary classrooms. University of Arkansas Literacy Symposium, Fayetteville, AR.

Gartin, B. C., Terrell, E., & Martindale, R., (2006). Anchored instruction in online courses. ArATE Fall Conference, Conway, AR.

Getch, Y. Q., & Gartin, B. C., (2006). Knowledge is power: Advocating for children with chronic illness in schools. Young Adults Institute International Conference, New York City, NY.

Hartzell, R., Penhollow, T., Young, M., & Denny, G., (2006). Hot or not: An examination of partner preferences as a function of relationship context. Society for the Scientific Study of Sexuality, Las Vegas, NV.

Holt, C. R., Capps, M., Carnine, L., Jones, M., (2006). No child left behind: Implications as viewed by Arkansas superintendents and patrons. National Conference of Professors of Educational Administration, Lexington, KY.

Gorman, D. (2007, February). Engaging students through stimulating teaching activities, Arkansas Gifted and Talented Conference. Little Rock, AR.

Gorman, D. and Kern, J. (2007, July). Exercise, nutrition, and dietary tips for faculty illustrating different teaching strategies. University of Arkansas Teaching Camp, Eureka Springs, AR.

Greene, J. P. (2006). Fixing special education. Annual Conference of the Department of Education Reform, College of Education and Health Professions, University of Arkansas. Kauffman Conference Center, Kansas City, MO.

Greene, J. P. (2006). You can't choose if you don't know: The failure to properly inform parents of educational options under NCLB. Fixing Failing Schools: the NCLB Toolkit Working? American Enterprise Institute, Washington, DC.

Hartzell, R., Penhollow, T., Young, M. and Denny, G. (2006, November). Hot or not: An examination of partner preferences as a function of relationship context. Society for the Scientific Study of Sexuality, Las Vegas, NV.

Hass, M. Turner, L., and Hunt, S. (2007). Perfectionism and disordered eating among athletes. American Alliance of Health, Physical Education, Recreation and Dance, Baltimore, MD.

Hill, L., Hunt, S., Turner, L., and Perko, M. (2007). Managing diabetes: Use of the transtheoretical model. Fifth Annual Hawaii International Conference on Education, Honolulu, HI.

Imbeau, M.B., (2006). A look inside a differentiated classroom: K-5. Best Practices Institute, University of Virginia, Charlottesville, VA.

Imbeau, M.B., (2006). Connecting content and kids: Using Understanding by Design to write curriculum to meet academically diverse learners. Franklin Special School District, Franklin, TN.

Imbeau, M.B., (2006). Connecting content and kids: Using Understanding by Design to write curriculum to meet academically diverse learners. Ft. Worth Independent School District's Gifted Renewal Conference, Ft. Worth, TX.

Imbeau, M.B., (2006). Developing teacher leaders for differentiation and Understanding by Design. ASCD Differentiating Instruction and Understanding by Design Conference, Denver, CO.

Imbeau, M.B., (2006). DI for struggling learners K-12 (ELL, Special Ed, students with reading problems, etc.). Best Practices Institute, University of Virginia, Charlottesville, VA.

Imbeau, M. B., & Gartin, B. C., (2006). Differentiated instruction for gifted and talented students and students with special needs. ASCD Summer Institute, New York City, NY.

Imbeau, M.B., & Gartin, B. C., (2006). Differentiated instruction for gifted and talented students and students with special needs in the secondary classroom. Corpus Christi School District, TX.

Imbeau, M.B., (2006). Differentiated instruction for students with special needs. Summer Institute for Academic Diversity, the University of Virginia, Charlottesville, VA.

Imbeau, M.B., Gartin, B.C. (2006). Differentiating instruction for gifted and talented students and students with special needs. Region #2 Service Center, Corpus Christi, TX.

Imbeau, M.B. (2006). Differentiating instruction in academically diverse classrooms: Why, What, and How? Kentucky Education Association to the Student Education Fall Conference, Louisville, KY.

Imbeau, M.B. ( 2006). Differentiation: Connecting with kids and connecting kids with content. Roseville City Schools Roseville, CA.

Imbeau, M.B. ( 2006). Differentiation: Connecting with kids and connecting kids with content. Charter School Partners, Pinckney, MI.

Imbeau, M.B., ( 2006). Differentiation for gifted learners. Presentation to CESA #1, Brookfield, WI.

Imbeau, M.B. ( 2006). Getting started with differentiation. Summer Institute for Academic Diversity, University of Virginia, Charlottesville, VA.

- Imbeau, M.B. (2006). Instructional strategies for academically diverse learners: A look at differentiation. Edufest: Idaho's Gifted Education Conference, Boise State University, Boise, ID.
- Imbeau, M.B. (2006). Instructional strategies for academically diverse learners: A look at differentiation. Flint Community Schools, Flint, MI.
- Imbeau, M.B. (2006). Instructional strategies for academically diverse learners: A look at differentiation. Logan County Schools, Logan, WV.
- Imbeau, M.B. (2006). Instructional strategies for academically diverse learners: A look at differentiation. Mingo County Board of Education, Williamson, WV.
- Imbeau, M.B. (2006). Instructional strategies for academically diverse learners: A look at differentiation. Monroe Township Public Schools, Monroe, NJ.
- Imbeau, M.B. (2006). Instructional strategies for academically diverse learners: A look at differentiation. Northwest Arkansas Education Service Cooperative, Farmington, AR.
- Imbeau, M.B. (2006). Instructional strategies for academically diverse learners: A look at differentiation. Region #1 Schools, Falls Village, CT.
- Imbeau, M.B. (2006). Instructional strategies for academically diverse learners: A look at differentiation. Roseville City Schools, Roseville, CA.
- Imbeau, M.B. (2006). Instructional strategies for academically diverse learners: A look at differentiation. Wilbur D. Mills Education Service Cooperative, Searcy, AR.
- Imbeau, M.B. (2006). Leadership and differentiation: Ideas and issues to consider. Flint Community Schools, Flint, MI.
- Imbeau, M.B. (2006). Leadership and differentiation: Ideas and issues to consider. Monroe Township Public Schools, Monroe, NJ.
- Imbeau, M.B. (2006). Leadership for differentiated instruction for gifted students. Association of the Educators for the Gifted, Talented and Creative Children of British Columbia, Vancouver, British Columbia, Canada.
- Imbeau, M.B. (2006). Managing a differentiated classroom: Issues and ideas to consider. Summer Institute for Academic Diversity, University of Virginia, Charlottesville, VA.
- Imbeau, M.B. (2006). Managing a differentiated classroom K-5. Best Practices Institute, University of Virginia, Charlottesville, VA.
- Imbeau, M.B. (2006). Meeting the needs of academically diverse learners: Instructional strategies that support differentiation. Des Moines Public Schools, Des Moines, IA.

Imbeau, M.B. (2006). Meeting the needs of academically diverse learners: Instructional strategies that support differentiation. Farmington R-7 School District, Farmington, MO.

Imbeau, M.B. (2006). Meeting the needs of academically diverse learners: Instructional strategies that support differentiation. Ft. Worth Independent School District, Ft. Worth, TX.

Imbeau, M.B. (2006). Meeting the needs of academically diverse learners: Instructional strategies that support differentiation. Ft. Worth Independent School District, Ft. Worth, TX.

Imbeau, M.B. (2006). Reading instruction for talented readers: Recommendations for differentiation. Arkansas Reading Association Conference, Little Rock, AR.

Imbeau, M.B. (2006). Reading instruction for talented readers: Recommendations for differentiation. University of Arkansas Literacy Symposium, Fayetteville, AR.

Imbeau, M.B. (2006). Strategy session for K-5: Learning centers. Best Practices Institute, University of Virginia, Charlottesville, VA.

Imbeau, M.B. (2006). Strategy session for K-5: Low prep strategies and contracts. Best Practices Institute, University of Virginia, Charlottesville, VA.

Imbeau, M.B. (2006). Strategy session for K-5: Tiered assignments. Best Practices Institute, University of Virginia, Charlottesville, VA.

Imbeau, M.B. (2006). Using effective pre-assessment strategies to identify student needs. ASCD Differentiating Instruction and Understanding by Design Conference. Denver, CO.

Imbeau, M.B. (2006). Working with special needs students in differentiated classroom. Eastern Pennsylvania Special Education Administrators Conference, Hershey, PA.

Johnson, C., Morrow, L. & Smith V.C. (2007). The Evolution of middle level licensure in one mid-south state. Association of Teacher Educators Middle Level SIG, San Diego, CA.

Kelly, J., Newgent, R., & Graham, D. (2006). An academic enhancement program to increase college student retention. American Society of Agronomy International Meeting [ASA], Indianapolis, IN.

Kern, J.C. & Calleja, P. (2007). Mentoring students to be effective leaders. National Association for Kinesiology and Physical Education in Higher Education Conference, Clearwater, FL.

Kern, J.C., Calleja, P., & Hunt, S.B. (2006). Mentoring pre-service teachers. National Physical Education Teacher Education Conference, Long Beach, CA.

Kissinger, D.B. (2006). A wellness approach toward counseling college student athletes. Western Association of Counselor Education and Supervision Conference in Las Vegas, NV.

- Kissinger, D.B. (2006). Negative events in supervision: Catastrophe or opportunity? Presented at the American Mental Health Counselors Association Conference, St. Louis, MO.
- Kissinger, D.B., & Daily, S. (2006). Focused substance abuse genograms: Implications for counselors and clients. American Mental Health Counselors Association Conference, St. Louis, MO.
- Kissinger, D.B., & Newgent, R.A. (2006). Experiences of site supervisors: Implications for counselor education. Southern Association for Counselor Education and Supervision conference, Orlando, FL.
- Kissinger, D.B., & Robertson, J. (2006). DSM-IV-TR diagnosis and disability status: Exploring a critical link. Southern Association for Counselor Education and Supervision Conference, Orlando, FL.
- Kissinger, D.B., & Yu, K. (2006). Counselor wellness: Assessing, monitoring, and preventing counselor burnout. Western Association of Counselor Education and Supervision Conference, Las Vegas, NV.
- Lincoln, F. & Shiga, K. (2006). Becoming successful international teaching assistants. Southeast Regional TESOL, Little Rock, AR.
- Lincoln, F., Bowles, F. & Shiga, K. (2006). Multiple perspectives on teaching accuracy through fluency. Southeast Regional TESOL, Little Rock, AR.
- Lincoln, F., Kirkpatrick, L., & Morrow, L.R. (2007). Novice teachers in equitable, successful classrooms: Stories of hope and heart. Association of Teacher Educators Annual Meeting, San Diego, CA.
- Lincoln, F., Bowles, F., Gretencord, A., McGarrah, E., Houston, D., Mathis, J., Penhallegon, A. (2006). Using language/cultural focus groups to inform curriculum development. Southeast Regional TESOL, Little Rock, AR.
- Lu, M., Miller, M., & Ling, C. (2006). Meeting the needs of older adult learners: Effective instructional strategies to hybrid courses. California Conference on Excellence in Teaching and Learning, Fresno, CA.
- Lu, M., Miller, M., & Ling, C. (2007). In search of an effective blended learning model for diverse adult learners: Feedback from students. Second Annual Conference on Community-Based Teaching and Research, San Jose, CA.
- Lu, M., Miller, M., & Ling, C. (2007). When the “digital native” meets the “digital immigrant.” How baby boomer faculty engage technologically savvy college students. California Conference on Teaching and Learning, Fresno, CA.

Lucas, C. (2006). Faculty development: Issues and challenges. Panel presentation at the Annual Meeting of the Association for the Study of Higher Education, Anaheim, CA.

McComas, W.F. (2006). Exploring the nature of science: A missing element in science instruction. Keynote Address, International Science Education Conference, Singapore.

McComas, W. F. (2006). The state of science education research in the United States. Japan Science Teachers Association. Nara, Japan.

McComas, W.F. (2007). Reconsidering what we think we know about how science works. Keynote Address, The Scientific Ways of Knowing Conference. University of Akron, OH.

McComas, W.F. (2007). Teaching the nature of science through historical examples. International History, Philosophy and Science Teaching Conference. University of Calgary, Canada.

McComas, W. F. (2007). The Galapagos Islands: Human resource, protection and biodiversity. Keynote Address, Montana Environmental Education Association, Bozeman, MT.

McComas, W.F. and Farland, D. (2007). The Enhanced DAST: Technical aspects of a new measure of assessing students' views of scientists. National Association for Research in Science Teaching, New Orleans, LA.

McCurlley, L., Claney, H., Michaelides, M., Smith-Blair, N., and Riggs, C. (2007). The effects of endurance exercise training on cardiac function in VLCAD  $-/-$  and LCAD  $-$  mice. American College of Sports Medicine Annual Meeting, New Orleans, LA., (Poster).

Miller, M. T. (2006). Collaborative decision making with staff: Results of a national study of staff governance programs. National Symposium on Shared Governance, Chicago, IL.

Miller, M. T. (2006). Conducting successful performance appraisal reviews. National Instruction, Staff, and Organization Development Conference, Austin, TX

Miller, M. T. (2006). Redesigning collegiate governance from the top down: Addressing holistic governance from the campus perspective. National Symposium on Shared Governance, Chicago, IL.

Miller, M., & Miles, J. (2007). Communication apprehension among student governance leaders. Eastern Educational Research Association Annual Conference, Clearwater Beach, FL.

Miller, M., & Miles, J. (2007). Student governance: A study of characteristics and effectiveness. Eastern Educational Research Association Annual Conference, Clearwater Beach, FL.

- Miller, M. T., Miles, J., & Newman, R. (2006). Critical examination of campus based governance: Where faculty and student interests intersect. National Symposium on Shared Governance, Chicago, IL.
- Moiseichik, M., Gaa, J., & Helms, K. (2007). Relighting the spark: Teaching through simulation activities. Presentation at the Society of Park and Recreation Educators Teaching Institute, Clemson, SC.
- Morrow, L. (2006). Literacy for all learners through literature study groups. University of Arkansas Literacy Symposium, Fayetteville, AR.
- Morrow, L., Orrick, D. & Ray, D. (2006). Constructing meaning and community through literature circles. Arkansas Reading Association Annual Conference, Little Rock, AR.
- Mulvenon, S., & Miller, M. (2007). Grade inflation in higher education: Does an "A" grade still mean excellent? American Educational Research Association (Division J-Section 3), Chicago, IL.
- Mulvenon, S. Stegman, C., McKensie, S. Airola, D. (2006). From complex data to simple solutions for students. 19<sup>th</sup> Annual MIS Conference, National Center for Education Statistics, Orlando, FL.
- Mulvenon, S., Stegman, C., Roeber, E. & Airola, D. (2006). Issues and solutions in the scale up of an educator developed, data driven improvement system. National Center for Education Statistics Forum and Summer Data Conference (STATS-DC Data Partnerships in Action) Washington, DC.
- Mulvenon, S., Wang, W., & Stegman, C., McKensie, S., Airola, D., & Anderson, T. (2006). PHP generated interactive statistical graphics in web-based applications for analyzing learning equity research trends of Arkansas public school systems. Fourth International Conference on Education and Information Systems, Technologies and Applications (EISTA), Orlando, FL.
- Newgent, R.A., & Davis, Jr., H. (2006). Individual, triadic and group supervision: Perceptions of supervisors-in-training. Southern Association for Counselor Education and Supervision, Orlando, FL.
- Oliver, G.D., & Adams-Blair, H.R. (2007, March). The importance of sports participation in the lives of young females. Girls & Women Rock: Celebrating 35 Years of Sport & Title IX Symposium, Cleveland, OH.
- Penhollow, T. M. and Young, M. (2007). Impact of physical fitness on older adult sexual desirability and sexual performance. American Alliance for Health, Physical Education, Recreation, and Dance, March, Baltimore, MD.

Penhollow, T. M. and Young, M. (2007). Quality of life among residents of an active retirement community. American Alliance for Health, Physical Education, Recreation, and Dance, March, Baltimore, MD.

Paladino, D.A., Newgent, R.A., & Davis, Jr., H. (2007). The multiracial college student: Exploring perceptions of college adjustment, alienation, and cultural fit. American Counseling Association 2007 World Conference, Detroit, MI.

Penhollow, T., Hartzell, R., Young, M., & Denny, G. (2006). Adolescent ATOD use and other socially desirable/undesirable characteristics. American School Health Association, St. Louis, MO.

Riggs, S. (2006). Vocabulary development for content area literacy. University of Arkansas Literacy Symposium, Fayetteville, AR.

Riggs, S. & Kirkpatrick, L. (2006). Where the fluent wild things are. Arkansas Reading Association, Little Rock, AR.

Seay, A.D., Malcolm, K.T., Elledge, C., Ogle, N., Cavell, T.A., & Newgent, R.A. (2006). Predicting peer victimization from children's report of strategies. Presentation at the Association for Behavioral and Cognitive Therapies 40<sup>th</sup> Annual Convention, [ABCT], Chicago, IL.

Smith-Blair, N., Riggs, C., Meyers, A., and McShadden, R. (2006, October). Diaphragm contractility and oxidant stress in the emphysema induced hamster diaphragm. National Congress on the State of the Science in Nursing Research, Washington, D.C.

Smith-Blair, N., Riggs, C., Meyers, A., and McShadden, R. (2006). Diaphragm contraction and oxidant stress following exercise in the emphysema hamster diaphragm. Southern Nurses Research Society's Annual Meeting, Memphis, TN.

Stegman, C., & Mulvenon, S. (2006, July). Ethical Principles in Experimental Design. Presented at the International Conference on the Teaching of Statistics, Salvador, Brazil.

Stegman, C., Mulvenon, S., Airola, D. & McKenzie, S. (2006, June). Analyzing learning equity trends (ALERT) and utilizing data to inform instruction decision making. National Conference Embrace the Challenge: Closing the Achievement Gaps Through Partnerships and Leadership, Milwaukee, WI.

Stegman, C., Airola, D., Mulvenon, S., & Roeber, E. (2006, August). Issues and solutions in the scale up of an educator developed, data driven improvement system: New strategies and tools. Council of Chief State School Officers, Using Data to Improve Instruction Conference, Boulder, CO.

Stegman, C., Hollaway-Johnson, C., Mulvenon, S., McKensie, S. Turner, R., & Morton, K. (2006, August). Data Sets for Teaching Statistics and Design. American Statistical Association, Seattle, WA.

Tavano, J. (2007). Marketing continuing education to a multi-generational audience, Society of Human Resource Management Learning System National Conference, Las Vegas, NV.

Tomlinson, C.A., & Imbeau, M.B. (2006). Differentiated curriculum: Framework and strategies. Nanyang Girls' High School, Singapore, Malaysia.

Tomlinson, C.A., & Imbeau, M.B. (2006). Differentiating instruction in academically diverse classrooms: Why, what, and how? Ohio Association for Supervision and Curriculum Development, Dublin, OH.

Tomlinson, C.A., Imbeau, M.B., & Rex, J. (2007). Differentiating instruction: Continuing the journey. Association for Curriculum Development Pre-Conference Institute, Anaheim, CA.

Tomlinson, C.A., Kaplan, S., Leppien, J., Purcell, J., Burns, D., Imbeau, M.B., & Hendrick, K. (2006). Understanding and using the parallel curriculum model. NAGC Board of Directors Institute, Pre-conference Session, National Association of Gifted Children, Charlotte, NC.

Tull, A. (2007). Finding and developing mentor relationships. Next Generation/NUFP Pre-Conference Program at the Annual NASPA/ACPA Joint National Conference, Orlando, FL.

Tull, A. (2007). Reframing student affairs leadership: Use of an organizational frames of reference approach. NASPA/ACPA Joint National Conference, Orlando, FL.

Tull, A., & Medrano, C. (2007, April). Values congruence in student affairs: An examination of person-organization fit. NASPA/ACPA Joint National Conference, Orlando, FL.

Turner, R. C. (2007). Impact of inquiry training and scientist / K-12 teacher partnerships on classroom practices and teacher attitudes. American Educational Research Association, Chicago, IL.

Vardiman, J.P., Riggs, C., DiBrezzo, R., Fort, I., Shadden, B., Turner, R., Touchberry, C., Gallagher, P.M. (2007). Acute and chronic effects of high-intensity short-duration sport training on salivary Immunoglobulin-A in female collegiate athletes. Poster, Mid-America Athletic Trainers Association Annual Meeting, Topeka, KS.

Wainscott, L., & Murphy, C. (2006). Designing online courses to encourage community with the seven principles of good practice. Society for Information Technology in Education, Orlando, FL.

Wang, W., Stegman, C., Mulvenon, S., & Xia, Y. (2006). DA case study: Using Kriging and interactive graphics in web-based application for spatial-temporal trend analysis of ozone and weather systems in Central America. American Statistical Association, Seattle, WA.

Wanslow, E., Young, M., and Darst, M. (2007, January). Relationships between race, gender and health risk behaviors of Oklahoma adolescents. Hawaii International Conference on Education, Honolulu, HI.

- White, A. N., Lirgg, C. D., Denny, G. S., Smith-Nix, A., & Turner, L. W. (2007, March). Supplemental rhythmic activities for elementary age children and the effects on levels of rhythmic self-efficacy. AAHPERD, Baltimore, MD.
- White, A. N., Lirgg, C. D., Denny, G. S., Smith-Nix, A., & Turner, L. W., (2007). Supplemental rhythmic activities for elementary age children and the effects on levels of rhythmic self-efficacy. American Alliance for Health, Physical Education, Recreation and Dance, Baltimore, MD.
- Wolf, P. J. (2007). Paper discussant for Networking: Implications for agency behavior. Annual Meetings of the Midwest Political Association, Chicago, IL.
- Wolf, P. J. (2007). Paper discussant for The Civil Service: Careers, Motivations, and Reform. Annual Meetings of the Midwest Political Association, Chicago, IL.
- Wolf, P. J. & Kisida, B. (2007). School governance and information: Does choice lead to informed parents? Annual Meetings of the Midwest Political Association, Chicago, IL.
- Young, M., & Denny, G. (2007). An evaluation of an abstinence-only education curriculum: An 18-month follow-up. Abstinence Education Evaluation Conference, Baltimore, MD.
- Young, M., & Denny, G. (2007, March). An evaluation of an abstinence only education curriculum: An 18-month follow-up. National Abstinence Education Evaluation Conference, Baltimore, MD.
- Young, M., & Penhollow, T. (2007, March). Predicting sexual satisfaction among college students. American Academy of Health Behavior (AAHB), Savannah, GA.
- Young, M., Penhollow, T. and Bailey, W. (2007, January). A-H is not enough, now its 13 themes: Federal involvement in abstinence education. Hawaii International Conference on Education, Honolulu, HI.
- Young, M., Penhollow, T., Hartzell, R., Denny, G. (2006, October). Adolescent ATOD use and other socially desirable/undesirable characteristics. American School Health Association, St. Louis, MO.
- Young, M., Penhollow, T., Donnelly, J. and Jacowski, K. (2006, November). Religious variables and sexual behavior among a sample of southern adolescents. Society for the Scientific Study of Sexuality, Las Vegas, NV.
- Young, M., Penhollow, T.M., Chambers, R.L., and Donnelly, J. (2007). Area specific self-esteem and adolescent substance use. American Alliance for Health, Physical Education, Recreation, and Dance, Baltimore, MD.

## **OTHER CREATIVE ENDEAVORS**

Greene, J. P. & Winters, M. A. (2006, July 27). 'Losing ground' in education reform. National Review Online.

Greene, J. P. & Winters, M. A. (2006, July 31). Testing takes teachers to task. CBS News.

Greene, J. P. (2006, August 27). Separate fact from fiction in education. The Free Lance-Star.

Greene, J. P. (2006, September 14). The Tampa Tribune.

Greene, J. P. & Winters, Marcus A. (2006, September 14). Advancement: Promoting the end of social promotion. National Review Online.

Greene, J. P. & Winters, M. A. (2006, September 14). School officials shouldn't go wobbly on social promotion. The Baltimore Examiner.

Greene, J. P. & Winters, M. A. (2006, September 17). Promoting the end of social promotion: Students should be held back if they can't pass the test, says a new study. Chicago Sun-Times.

Greene, J. P. & Winters, M. A. (2006, September 30). Reason to rethink social promotion. Atlanta Journal-Constitution.

Greene, J. P. & Forster, G. (2006, December 25). San Antonio's proven that school vouchers work well. The Houston Chronicle.

Greene, J. P. & Forster, G. (2007, January 5). San Antonio demonstrates the power of school vouchers. Amarillo Globe News.

Greene, J. P. & Riffel, B. (2007, January 25). Let Griffen speak. Arkansas Democrat-Gazette.

Greene, J. P. & Winters, M. A. (2007, February 2). Is \$36.06 per hour 'Underpaid?' The Wall Street Journal.

Greene, J. P. & Winters, M. A. (2007, February 7). The myth of the underpaid teacher. The Philadelphia Daily News.

Greene, J. P. & Winters, M. A. (2007, February 9). Teachers are better paid than you think. with Marcus A. Winters, Providence Journal.

Greene, J. P. (2007, February 21). Steve Jobs has guts. The New York Sun.

Toner, M. A. (2006). Review of Guitar, Barry (2006). Stuttering: An Integrated Approach to Its Nature and Treatment (3<sup>rd</sup> Ed.). Analysis of instructional value and market for Lippincott, Williams, and Wilkins.

Toner, M. A. (2006). Review of Kent, R & Read, C. (2002). *The Acoustic Analysis of Speech* (2<sup>nd</sup> Ed.). Recommendations for revisions in future edition for Thomson Delmar Learning.

Wolf, P. J. (2007, April 1). Peering through the fog of charter school debate. *Arkansas Democrat-Gazette*.

# College of Engineering

## **BOOKS**

Asfahl, C.R. Editor, OSHA Standards Digest, Fayetteville, Arkansas: New Century Media Corporation, ISBN: 0-945709-09-9, 124 pp, copyright, 2006.

Furuya, J. Su, I. Takeuchi, V. K. Varadan, J. Ulicny, Materials and Devices for Smart Systems, Materials Research Society Press, 2006.

Gardner, J., V. K. Varadan and O. Awadelkarim, Microsensors, MEMS and Smart Devices, John Wiley, 2006 (Chinese).

Liou, W. W. and Y. Fang Microfluid Mechanics; Omar Manasreh – Book Series Editor.

Paiella, Roberto, Ed., Optoelectronic Devices Based on Intersubband Transitions in Semiconductor Quantum Structures; Omar Manasreh – Book Series Editor.

Tomm, Jens W. and Juan Jiménez, Eds., Screening and Packaging Techniques for Highly Reliable Quantum-well High-power Laser Arrays, Omar Manasreh – Book Series Editor.

Ulrich, R. and W. Brown (eds), Advanced Electronic Packaging, 2nd ed., IEEE/Wiley, 2006.

Ulrich, R. K. and W. D. Brown, Eds., Advanced Electronic Packaging, 2<sup>nd</sup> Edition, IEEE/Wiley-Interscience, 840 pages, 2006.

Varadan, V. K., K. J. Vinoy and S. Gopalakrishnan, Smart Material Systems and MEMS, John Wiley, 2006.

## **BOOK CHAPTERS**

Abraham, J. K. and V. K. Varadan, “Modelling of Passive Wireless Sensors for RFID Tag Applications”, In Smart Electronics, MMES, BioMEMS and Nanotechnology, SPIE, vol. 6172, pp. 617204-1 -617204-10, 2006.

Ang, S. S., and L. Schaper, “Electrical Considerations, Modeling, and Simulation”, In Advanced Electronic Packaging, R. K. Ulrich and W. D. Brown, Eds., John Wiley and Sons, Inc., Hoboken, NJ, Chapter 6, 61 pages, 2006.

Brown, W., R. Ulrich "Materials in Microelectronic Packaging." Advanced Electronic Packaging, 2nd ed., 29. IEEE/Wiley, 2006.

Brown, W. D., “Introduction and Overview of Microelectronic Packaging”, In Advanced Electronic Packaging, R. K. Ulrich and W. D. Brown, Eds., John Wiley and Sons, Inc., Hoboken, NJ, Chapter 1, 27 pages, 2006.

Brown, W. D., and R. K. Ulrich, "Materials for Microelectronic Packaging", In Advanced Electronic Packaging, R. K. Ulrich and W. D. Brown, Eds., John Wiley and Sons, Inc., Hoboken, NJ, Chapter 2, 28 pages, 2006.

Chen, L., J. Xie, M. Srivatsan and V. K. Varadan, "Magnetic nanotubes and their potential use in neuroscience applications", Smart Electroncis, MMES, BioMEMS and Nanotechnology, SPIE, vol. 6172, pp. 61720J-1 -61720J-10, 2006.

Chintakuntla, R. R., J. K. Abraham and V. K. Varadan, "Nanowire Array For Wireless Neural Probe: Modeling and Simulation", In Smart Electroncis, MMES, BioMEMS and Nanotechnology, SPIE, vol. 6172, pp. 61720I-1 -61720I-10, 2006.

Couvillion, R., "Editor for Chapters 2 (Fluid Flow), 3 (Heat Transfer), 4 (Two-phase flow), and 5 (Mass Diffusion)." In ASHRAE Fundamentals Handbook Atlanta: American Society of Heating, Refrigerating and Air-Conditioning Engineers, published annually in electronic form.

Couvillion, R., Chapter 7 Thermal Management, Advanced Electronic Packaging, 2<sup>nd</sup> Edition, R. Ulrich and W. Brown editors, IEEE-Wiley, 2006.

English, J.R., J. Usher, G.D. Taylor, and E.A. Pohl, "Availability Modeling of Powered Roller Conveyors." Progress in Material Handling Research: 2006, Material Handling Institute of America, Charlotte, NC, December 2006.

Haggard, B. E. and A.N. Sharpley. 2006. Phosphorus transport in streams: Processes and modeling considerations. In Modeling Phosphorus in the Environment Editors D.E. Radcliffe and M.L. Cabrera, CRC Press Taylor and Francis Group, Boca Raton, Fl.

Haggard, B.E. And Harmel, R.D. 2006. Small watershed data collection to support phosphorus modeling. In Modeling Phosphorus in the Environment Editors D.E. Radcliffe and M.L. Cabrera, CRC Press Taylor and Francis Group, Boca Raton, Fl.

Jung, S., T. Ji and V. K. Varadan, "Organic Thin Film Based Sensor Applications", In Smart Electroncis, MMES, BioMEMS and Nanotechnology, SPIE, vol. 6172, pp. 617209-1 -617209-10, 2006.

Kim, J.W., Deaton, R., J. Chen, M. Garzon, and D.H. Wood. 2006. Test Tube Selection of Large Independent Sets of DNA Oligonucleotides. In: Nanotechnology: Science and Computation. J. Chen et al. (eds). Springer.

Kim, J. W. and Deaton, R., J. Lusth. Integrating Nanoscale Science and Technology into Introductory Computer Science Courses. (Appears in 2006).

King, J.W. "Pressurized Water Extraction: Resources and Techniques for Optimizing Analytical Applications." In Modern Extraction Techniques: Food and Agricultural Samples, edited by C. Turner, 79-95. Washington, DC: American Chemical Society, 2006

List, G.R. and J.W. King “Hydrogenation of lipids for use in food.” In *Modifying Lipids for Use in Food*, edited by F. D. Gunstone, 9: 173-200. Cambridge, England: Woodhead Publishing Ltd., 2006

List, G.R., R.O. Adlof and J.W. King “Trans fatty acids in specialty lipids.” Chapter 25. In *Nutraceuticals and Specialty Lipids and their Co-Products*, edited by F. Shahidi, 449-467. Boca Raton, Florida: Taylor & Francis, 2006.

Li, Y. and X. Su. 2006. Piezoelectric Sensors. P. 359-367 In: *Encyclopedia of Medical Devices and Instrumentation*, 2nd Ed, Vol. 5, J.G. Webster (ed). John Wiley & Sons, Hoboken, NJ.

Li, Y. 2006. Biosensors. P. 52-93 In: *CIGR Handbook of Agricultural Engineering VI: Information Technology*, A. Munack (ed). The American Society of Agricultural and Biological Engineers, St. Joseph, MI.

Pfund, M.E., S.J. Mason, and J.W. Fowler, “Semiconductor Manufacturing Scheduling and Dispatching.” Chapter 9 in *Handbook of Production Scheduling: 2006*, New York, new text, 2006.

Collins, T.R., S.J. Mason, and H. Nachtmann, “Cost Evaluation and Analysis.” *Advanced Electronic Packaging (2nd Edition): 2006*, New York, NY, 2006.

Gue, K.R., and R.D. Meller, “The Aisle Design Problem.” *Progress on Material Handling Research: 2006*, Material Handling Institute of America, Charlotte, NC, December 2006.

Meller, R.D., and P.J. Parikh, “The Effect of Batching Orders on Workload-Imbalance in Order Picking Systems.” *Progress on Material Handling Research: 2006*, Material Handling Institute of America, Charlotte, NC, December 2006.

Parkerson, P., “Electronic Systems Packaging”, Chapter 11: “Design Considerations”, IEEE Press/ John Wiley & Sons, Edited by W. D. Brown and Richard Ulrich, July 2006.

Parkerson, J., and L. Schaper, L., “Design Considerations”, In *Advanced Electronic Packaging*, R. K. Ulrich and W. D. Brown, Eds., John Wiley and Sons, Inc., Hoboken, NJ, Chapter 11, 50 pages, 2006.

Pohl E., “System Effectiveness.” *Systems Decision Making for Systems Engineering and Management: Fall 2006 Edition*, New York, NY, new text, August 2006.

Langer, M., R. Rardin, and A. Tuncel, “Optimal Planning in Radiation Therapy.” *Optimization in Medicine and Biology*, G. Lim and E. Lee editors, Taylor and Francis. 2007.

Roychowdhury, J. and H. A. Mantooh, “EDA for IC Implementation, Circuit Design, and Process Technology - Analog Simulation: Circuit Level (Including Radio Frequency Methods and Noise) and Behavioral Level”, In *Electronic Design Automation for Integrated Circuits Handbook*, vol. II, Chapter 14, CRC Press, New York, 2006.

Schmidt, W.F., Chapter 8 Electronic Packaging: Mechanical Design Considerations, Advanced Electronic Packaging, 2<sup>nd</sup> Edition, R. Ulrich and W. Brown editors, IEEE-Wiley, 2006.

Sridhar, C., J. Xie, J. K. Abraham and V. K. Varadan, "Synthesis of Oriented ZnO Nanostructure Arrays for Solar Cell Applications", In Smart Electronics, MMES, BioMEMS and Nanotechnology, SPIE, vol. 6172, pp. 617208-1 -617208-10, 2006

Ulrich, R. "Industry Directions in Implementing Embedded Components." The Board Authority, No. 7, 16. BNP Media, 2006

Ulrich, R. "Discrete and Embedded Passive Devices." Advanced Electronic Packaging, 2nd ed., 349. IEEE/Wiley, 2006

Ulrich, R. "Reliability Considerations." Advanced Electronic Packaging, 2nd ed, 651. IEEE/Wiley, 2006

Whitchurch, A. K. and V. K. Varadan, "Neuroelectronics and Neurosurgery", In Smart Electronics, MMES, BioMEMS and Nanotechnology, SPIE, vol. 6172, pp. 61720S-1 -61720S-10, 2006.

Yoon, H., R. R. Chintakuntla, V. K. Varadan and P. B. Ruffin, "Aligned Nanowire Structure on Silicon and Flexible Substrates and Their Applications", In Smart Electronics, MMES, BioMEMS and Nanotechnology, SPIE, vol. 6172, pp. 61720H-1 -61720H-10, 2006.

## **REFEREED ARTICLES**

Al-Rifai, M., and M.D. Rossetti. "Evaluating Performance Measure Approximations for a Two-Echelon (R, Q) Inventory System via Simulation." Industrial Engineering Research Conference Proceedings, Nashville, TN, May 19-23, 2007.

Zhang, K. L., S. K. Chou, and S. S. Ang. "Performance Prediction of a Novel Solid Propellant Microthruster," Journal of Propulsion and Power, vol. 22, no. 1, pg. 56-63, 2006.

Ang, S. S., M.R. Hoque, C-C Chen, and D. Woodward, "A Sample and Hold Current Measurement Integrated Circuit for Neural Recording," International Journal of Electronics, vol. 93, no. 12, pg. 793-803, December 2006.

Mache, J. and A. Apon, "Teaching Grid Computing: Topics, Exercises, and Experiences," IEEE Transactions on Education, Volume 50, Issue 1, Feb. 2007, pp. 3-9.

Ngo, Linh and Amy Apon, "Using Shibboleth for Authorization and Authentication to the Subversion Version Control Repository System," International Conference on Information Technology (ITNG'07), April, 2007, pp. 760-765.

Apon, Amy and Matt Baker, "Teaching Condor Grid Computing to Beginning Programming Students," IEEE Distributed Systems Online, vol. 8, no. 4, 2007, art. no. 0704-o4002.

Baker, Matt and Amy Apon, "Methods for Maintaining Local Cluster Resources on the Open Science Grid," ALAR Conference on Applied Research in Computer Science, March 9, 2007, Fayetteville, Arkansas.

Bajwa, S. G., and E. Vories. 2007. "Spatial analysis of cotton canopy response to irrigation in a moderately humid area." Irrigation Science DOI # 10.1007/s00271-006-0058-4 (Online)

Bajwa, S. G. 2006. "Modeling rice plant nitrogen effect on canopy reflectance with partial least square regression." Transactions of the ASAE. 49(1): 229-237.

Bajwa, S. G., and A. Mishra. 2006. "Effect of suspended sediment and chlorophyll concentrations on water reflectance." International Agricultural Engineering Journal 15(2-3): 139-150.

Bajwa, S.G., Bourne, P. J., and D. S. Bajwa. 2006. "Evaluation of rice hull as a lignocellulosic substitute in wood plastic composites." Inquiry 7:66-71.

Pulugurtha, S.R., and D.G. Bhat, "A study of AC reactive magnetron sputtering technique for the deposition of compositionally graded coating in the Cr-Al-N system," Surface and Coatings Technology, 201, 4411-4418, 2006.

Aryasomayajula, A., K. Valleti, S. Aryasomayajula, and D.G. Bhat, "Pulsed DC Magnetron Sputtered Tantalum Nitride Hard Coatings for Tribological Applications," Surface and Coating Technology, 201, 4401-4405, 2006.

Khanna, A., D. G. Bhat, A. Harris, and B.D. Beake, "Structure-property Correlation in Aluminum Oxide Thin Films Grown by Reactive Magnetron Sputtering," Surface and Coatings Technology, 201, 1109-1116, 2006.

Khanna, A., and D.G. Bhat, "Growth and Characterization of  $\alpha$ -Cr<sub>2</sub>O<sub>3</sub> Thin Films Prepared by Reactive AC Magnetron Sputtering," J. Vac. Sci. Technol., A24(5), 1870-1877, Sept./Oct. 2006.

Chittineni, K., and D.G. Bhat, "X-ray Diffraction Investigation of the Formation of Nanostructured Metastable Phases during Short-duration Mechanical Alloying of Cu-Al Powder Mixtures," Materials and Manufacturing Processes, 21, 1-7, 2006.

Khanna, A., and D.G. Bhat, "Nanocrystalline gamma alumina coatings by inverted cylindrical magnetron sputtering," Surface and Coatings Technology, 201, 168-173, 2006.

Rajgarhia, R.K., D.G. Bhat, and R.J. Couvillion, "Development of a Chemical Vapor Infiltration Process for Composite cBN-dispersed Hard, Wear Resistant coating on WC-Co Tool Inserts," Proceedings of the 19<sup>th</sup> International Conference on Surface Modification Technologies, ASM International, St. Paul, MN, 2006.

Brown, Bill, Dennis Hess, Vimal Desai, and M. Jamal Deen, "Dielectric Science and Technology", The Electrochemical Society Interface, pp. 21-24, Spring 2006. (Invited)

Buyurgan, N., and C. Saygin, "An Integrated Control Framework for Flexible Manufacturing Systems." *International Journal of Advanced Manufacturing Technology*, Vol. 27, No. 11-12, (2006): 1248-1259.

Buyurgan, N., and A. Mendoza, "A Multi-Objective Scheduling Framework for Flexible Manufacturing Systems." *International Journal of Production Research*, Vol. 44, No. 7, (2006): 1273-1295.

Buyurgan, N., M.A. Ertem, and J.R. Chimka. "Read Rate Analysis of Radio Frequency Identification Systems for Business Applications." *International Journal of Radio Frequency Identification Technology and Applications*, Vol. 1, No. 2, (2007): 147-163.

Buyurgan, N., L. Meyyappan, C. Saygin, and C.H. Dagli. "Real-Time Routing Selection for Automated Guided Vehicles in a Flexible Manufacturing System." *Journal of Manufacturing Technology Management*, Vol. 18, No. 2 (2007): 169-181.

Carrier D. J., Lau S., Howard L., Lay J., Liyanage R., Bransby D., and Clausen E. (2007). "Identification and quantification of glycoside flavonoids in the energy crop *Albizia julibrissin*". *Bioresource Technology* 98: 429-435.

Carrier D. J., Ekenseair, A., Duan L., Bransby, D., and Clausen E. (2005). "Extraction of hyperoside and quercitrin from mimosa (*Albizia julibrissin*) foliage". *Applied Biochemistry and Biotechnology* 130: 382-391.

Carrier, D. J. and Costello, T. (2006). "Emergence of Biological Engineering at the University of Arkansas". *International Journal of Engineering Education* 22(6):1149-1156.

Ekenseair, A.K., L. Duan, D.J. Carrier, D.I. Bransby and E.C. Clausen "Extraction of Hyperoside and Quercitrin from Mimosa (*Albizia julibrissin*) Foliage." *Applied Biochemistry and Biotechnology* 130 (2006): 382-391

Cassady, C.R., and J.A. Nachlas. "Evaluating and Implementing 3-Level Control Charts." *Quality Engineering*, Vol. 18, No. 3, (2006): 285-292.

Chimka, J.R., and P.V. Cabrera Arispe. "New Demerit Control Limits for Poison Distributed Defects." *Quality Engineering*, Vol. 18, No. 4, (October-December 2006): 461-467.

Clausen, E.C. and W.R. Penney "Laboratory Demonstrations/Experiments in Free and Forced Convection Heat Transfer." *Proceedings of the 2006 American Society for Engineering Education Annual Conference and Exposition, 2006.*

David, A., B. PiuZZi, C.S. Nam, and D. Chung. "Guidelines for the Development and Improvement of Universal Access Systems for Blind Students." *Proceedings of the 12<sup>th</sup> International Conference on Human-Computer Interaction (HCII '07), Lecture Notes in Computer Science Series, 2007.*

Davis, R.K., G. Thoma, R. Perkins, T. Unger, J.V. Brahana and T. Ting “Basin Scale Modeling of Multiple Tracer Breakthrough in Fractured Limestone.” International Groundwater Monitoring Conference, 2006.

Kim, J. W., N. Kotagari, J. H. Kim, and R. Deaton, “In situ fluorescence microscopy visualization and characterization of nanometer-scale carbon nanotubes labeled with 1-pyrenebutanoic acid, succinimidyl ester,” Appl. Phys. Lett., vol. 88, p. 213110, 2006.

Debey, R., D. S. Bag, V. K. Varadan, D. Lal and G. N. Mathur, “Polyaniline Coating On Glass and PMMA Microspheres”, Reactive and Functional Polymers, 66, pp. 441-445, 2006.

DeCuir, E. A., Jr., Emil Fred, B. S. Passmore, A. Muddasani , M. O. Manasreh, Jinqiao Xie, Hadis Morkoç, M. E. Ware, and G. J. Salamo, “Near-infrared Wavelength Intersubband Transitions in GaN/AlN Short Period Superlattices,” Appl. Phys. Lett., 89, 2006.

Dennis, N.D., C. Ooi, V. Wong, Estimating Movement of Shallow Slope Failures Using Time Domain Reflectometry, Proceedings, 3rd International Symposium and Workshop on Time Domain Reflectometry for Innovative Soil Applications, West Lafayette, IN, Sept, 2006.

El-Shenawee, Magda, and Eric Miller, “Spherical Harmonics Microwave Algorithm for Shape and Location Reconstruction of Breast Cancer Tumor,” IEEE Trans. Medical Imaging, vol. 25, no. 10, pp. 1258-1271, October 2006.

English, J.R., J. Usher, and L. Yu. “Design of Powered Roller Conveyors: A Reliability Perspective.” Proceedings of the 16<sup>th</sup> International Conference on Flexible Automation and Intelligent Manufacturing, Limerick, Ireland, July 2006.

English, J.R., L. Yu, M.D. Rossetti, and N. Buyurgan. “A Statistical Process Control Approach to Cycle Counting.” 17<sup>th</sup> International Conference on Flexible Automation and Intelligent Manufacturing (FAIM), Philadelphia, PA, June 2007.

Erramilli, V., and S.J. Mason. “Multiple Orders per Job Compatible Batch Scheduling.” IEEE Transactions on Electronics Packaging Manufacturing, Vol. 29, No. 4, (2006): 285-296.

Faraone, L, V. K. Varadan and L. Pulfrey, “Microelectronics, MEMS and Nanotechnology”, Journal of Smart Materials and Structures, 15, pp. 1, 2006.

Boston, K., D. Dawson, and C. Gattis. “Creating Harmony on Campus: Assessing Academic Advising.” National Academic Advising Association (NACADA) South Central Region Conference, Austin, TX, March 8-10, 2007.

Davis, S., and C. Gattis. “University of Arkansas Science Partnership Program.” Proceedings of the 114<sup>th</sup> Annual ASEE Conference & Exposition, June 24-27, 2007.

Gattis, C., and B. Hill. “A Successful Peer Mentoring Program.” Proceedings of the 114<sup>th</sup> Annual ASEE Conference & Exposition, June 24-27, 2007.

Gattis, C., and F. Edwards. "Lessons Learned: Our First Engineering Study Abroad Program in India." Proceedings of the 114<sup>th</sup> Annual ASEE Conference & Exposition, June 24-27, 2007.

Gattis, J. L. et al. "Alternating Passing Lane Lengths," Transportation Research Record 1961, pp. 16-23, 2006. Transportation Research Board.

Arunasalam, P., M.H. Gordon, and L.W. Schaper, "A Systematic Approach to Thinning Silicon Wafers to the Sub-40 $\mu$ m Thickness Range," Journal of Microelectronics and Electronics Packaging, Vol. 3-2, 86, 2006.

Schaper, L., S. Burkett, M.H. Gordon, L. Cai, J. Patel, T. Lam, I. U. Abhulimen, and T. Rowbotham, "Systems in Miniature: Meeting the Challenges of 3-D VLSI," Proceedings of the Eighth VLSI Packaging Workshop, Kyoto, Japan, December 4-5, 2006.

Burkett, S. L. Schaper, T. Rowbotham, J. Patel, T. Lam, I. U. Abhulimen, M.H Gordon, and L. Cai, "Materials Aspects to Consider in the Fabrication of Through-Silicon Vias," Proceedings of the MRS Conference, Boston, MA, December 2006.

Griffis, Carl L., Osaili, Tareq M., Elizabeth M. Martin, Edward E. Gbur, and John A. Marcy. 2006. "Modeling Cooking Time to Inactivate Salmonella in Chicken Leg Quarters Cooked in an Air-Stream Impingement Oven." Journal of Food Science, Vol 71:5. pp 146-149.

Griffis, Carl L., Osaili, T., E. M. Martin, B. L. Beard, A. Keener, and J. A. Marcy. 2006. "Thermal Inactivation Studies of Escherichia coli O157:H7, Salmonella, and Listeria monocytogenes in Ready-to-Eat Chicken-Fried Beef Patties." Journal of Food Protection, Vol. 69, No. 5, 2006, Pages 1080-1086

Griffis, Carl L., O'Bryan, C. A., P. G. Crandall, E. M. Martin, M. G. Johnson. 2006. "Heat resistance of Salmonella spp., Listeria monocytogenes, Escherichia coli O157:H7, and Listeria innocua M1, a potential surrogate for Listeria monocytogenes, in meat and poultry: a review." Journal of Food Science. pp. R23-30.

Haggard, B. E., DeLaune, P. B., Daniel, T. C., Chaubey, I., and Cochran, M. C. 2006. "The Eucha/Spavinaw Phosphorus Index: A Court Mandated Index for Litter Management." Journal of Soil and Water Conservation 61(2):96-105.

Haggard, B. E., Ekka, S. A., Matlock, M. D., and Chaubey, I. 2006. "Dissolved phosphorus concentrations and sediment-interactions in effluent dominated Ozark streams. Ecological Engineering 26(4):375-391.

Haggard, B. E., Galloway, J. M., W. R. Green, and M. T. Meyers. 2006. Pharmaceuticals and other organic chemicals in selected north-central and northwest Arkansas streams." Journal of Environmental Quality 35: 1078-1087.

- Haggard, B. E., and Soerens, T. S. 2006. "Sediment phosphorus release at a small impoundment on the Illinois River, Arkansas and Oklahoma, USA." *Ecological Engineering* 28(3): 280-287.
- Haggard, B. E., Harmel, R. D., King, K. W., Wren, D. G., and J. M. Sheridan. 2006. "Practical guidance for discharge and water quality data collection on small watersheds." *Transactions American Society of Agricultural and Biological Engineers* 49(4): 937-948.
- Haggard, B. E., Pirani, M., Brye, K. R., Daniel, T. C., Gbur, E., and Mattice, J. 2006. "Soluble metal leaching from a poultry litter-amended Udult under pasture vegetation." *Vadose Zone Journal* 5: 1017-1034.
- Haggard, B. E., Popova, Y. A., Keyworth, V. G., Storm, D. E., R. A. Lynch, and M.E. Payton. 2006. "Stream nutrient limitation and sediment interactions in the Eucha-Spavinaw Basin, USA." *Journal of Soil and Water Conservation* 61(2): 105-115.
- Haggard, B. E., Smith, D. R., Warnemuende, E. A., and Huang, C. 2006. "Changes in sediment-water column phosphorus interactions following sediment disturbance." *Ecological Engineering* 27(1): 71-78.
- Haggard, B. E., Smith, D. R., Warnemuende, E. A., and Huang, C. 2006. Dredging of drainage ditches increases short-term transport of soluble phosphorus. *Journal of Environmental Quality* 35: 611-616.
- Haggard, B. E., Chaubey, I., Sahoo, D., Matlock, M. D., and Costello, T. A. 2006. "Nutrient-retention, nutrient-limitation, and sediment-nutrient interactions in a pasture dominated stream." *Transactions American Society of Agricultural and Biological Engineers*.
- Haggard, B. E., Smith, D. R., and Brye, K. R. 2006. "Effect of sediment EPC0 and M3P on dissolved phosphorus concentrations in Ozark streams." *Journal of Environmental Quality*.
- Haggard, B. E., Migliaccio, K. W., Chaubey, I., and Matlock, M. D. 2006. "Water quality monitoring at the War Eagle Creek Watershed, Beaver Reservoir, Arkansas." *Transactions American Society of Agricultural and Biological Engineers*.
- Haggard, B. E., Migliaccio, K. W., and Chaubey, I. 2006. "Linking watershed and reservoir models to simulate reservoir water quality." *Journal of the American Water Resources Association*.
- Haggard, B. E., Migliaccio, K. W., and Chaubey, I. 2006. "Evaluation of landscape and instream modeling to predict watershed yields." *Environmental Modeling and Software*.
- Haggard, B. E., Sen, S., Chaubey, I., Brye, K. R., Costello, T. A., and Matlock, M. D. 2006. "Sediment phosphorus release at Beaver Reservoir, Northwest Arkansas, 2002-3." *Water, Air and Soil Pollution*.
- Haggard, B. E., Toor, G. S., and Donoghue, A. M. 2006. "Water extractable trace elements in poultry litters and granulated products." *Journal of Applied Poultry Research*.

Haggard, B. E., Toor, G. S., Reiter, M.S., Daniel, T. C., and Donoghue, A. M. 2006. "Phosphorus solubility in poultry litter and granulates: influence of litter treatments and extraction ratios." Transactions American Society of Agricultural and Biological Engineers.

Do, N., Staton, B., Hale, W., Development of High Strength Self-Consolidating Mixtures for Use in Prestressed Bridge Girders", PCI National Bridge Conference, October 23-25, 2006, Grapevine, TX..

Hale, W.M., Edwards, F.G., (2006). Preparing Your Tenure Dossier from Day One, 113th Annual ASEE Conference, Chicago, Il. June, 18-21, 2006.

Staton, B., Do, N., Ruiz, E., and Hale, W., Transfer Lengths for Prestressed Concrete Beams Cast with Self Consolidating Concrete Mixtures", PCI National Bridge Conference, October 23-25, 2006, Grapevine, TX.

Anderson, Michael R., Hall, Kevin D., and Huner, Michael H., "Mechanical Mixture Simulation Devices for Determining and Calibrating Internal Angle of Gyration in Superpave Gyratory Compactor", Transportation Research Record 1970, TRB, The National Academies, Washington, DC, 2006.

Hall, Kevin D., Easley, Tamara M., "Establishment of Precision of Dynamic Angle Validation Kit with Hot-Mix Simulator for Superpave Gyratory Compactors", Transportation Research Record 1970, TRB, The National Academies, Washington, DC, 2006.

Hall, Kevin D., and Easley, T., "Establishment of the Precision of the Dynamic Angle Validation (DAV) Kit with Hot-Mix Simulator (HMS) for Superpave Gyratory Compactors", Proceedings of the 10<sup>th</sup> International Conference on Asphalt Pavements, International Society for Asphalt Pavements, Quebec, Canada, August 15<sup>th</sup>, 2006.

Tran, N., and Hall, Kevin D., "An Examination of Strain Levels Used in Dynamic Modulus Testing", Journal of the Association of Asphalt Paving Technologists, Vol. 75, Minneapolis, MN, 2006.

Tran, Nam H., and Hall, Kevin D., "Evaluation of Testing Protocols for Dynamic Modulus of Hot-Mix Asphalt", Transportation Research Record 1970, TRB, The National Academies, Washington, DC, 2006.

Tran, N., and Hall, Kevin D., "A Reduced Testing Procedure for Determining the Dynamic Modulus of Hot-Mix Asphalt", Proceedings of the 10<sup>th</sup> International Conference on Asphalt Pavements, International Society for Asphalt Pavements, Quebec, Canada, August 14<sup>th</sup>, 2006.

Tran, N., and Hall, Kevin D., "An Evaluation of the Rapid Angle Measurement (RAM) Device for Calibration of the Superpave Gyratory Compactor Internal Angle", Proceedings of the 10<sup>th</sup> International Conference on Asphalt Pavements, International Society for Asphalt Pavements, Quebec, Canada, August 15<sup>th</sup>, 2006.

Hestekin, C.N., J.P. Jakupciak, T.N. Chiesl, C.W. Kan, C.D. O'Connell, and A.E. Barron "An optimized microchip electrophoresis system for mutation detection by tandem SSCP and heteroduplex analysis for p53 gene exons 5-9." *Electrophoresis* 27 (2006): 3823-3835.

Hestekin, C.N. and A.E. Barron "The Potential of Electrophoretic Mobility Shift Assays for Clinical Mutation Detection." *Electrophoresis* 27 (2006): 3805-3815.

Heymsfield, E., R. E.Wahl, and W. Hodo, "Development of a Damage Model for Stabilized Soil Layers Subjected to Repetitive Aircraft Loadings," *Proceedings of the 2006 Airfield and Highway Pavement Specialty Conference, ASCE, Atlanta, GA*, pp. 260-271.

Hossain, Maruf, Harry Meyer, Husam Abu-Safe, Hameed Naseem, and William Brown, "The Effect of Hydrogen in the Mechanism of Aluminum-Induced Crystallization of Sputtered Amorphous Silicon Using Auger Microanalysis", *Thin Solid Films*, Vol. 510, pp. 184-190, 2006.

Hossain, Maruf, Husam Abu-Safe, Hameed Naseem, and William Brown, "The Effect of Stress on the Aluminum-induced Crystallization of Hydrogenated Amorphous Silicon Films", *The Journal of Materials Research*, Vol. 21, No. 10, pp. 2582-2586, 2006.

Hossain, Maruf, Husam H. Abu-Safe, Hameed Naseem, and William D. Brown, "Characterization of Hydrogenated Amorphous Silicon Thin Films Prepared By Magnetron Sputtering", *Journal of Non-Crystalline Solids*, Vol. 352, Issue 1, pp. 18-23, 2006.

Hossain, Maruf, Husam Abu-Safe, Hameed Naseem, and William Brown, "The Effects of Hydrogen on Aluminum-Induced Crystallization of Sputtered Hydrogenated Amorphous Silicon", *The Journal of Electronic Materials*, Vol. 35, No. 1, pp. 113-117, 2006.

Huang, A., V.T.S. Wong, and C.-M. Ho, "Silicon Polymer Chemical Vapor Sensors Fabricated by Direct Polymer Patterning on Substrate Technique (DPPOST)," *Sensors and Actuator B*, Vol. 116, 2-10, 2006.

Kwong, C.C., A. Huang, and C.-M. Ho, "A Microliter Electrokinetic Deionizer for Rapid Processing," *MicroTAS 2006*, #1084.

Iyoob, I.M., C.R. Cassady, and E.A. Pohl. "Establishing Maintenance Resource Levels using Selective Maintenance." *The Engineering Economist*, Vol. 51, No. 2, (2006): 99-114.

Ji, T., H. Yoon, J. K. Abraham and V. K. Varadan, "Ku-band Antenna Array Feed Distribution Network With Ferroelectric Phase Shifters On Silicon", *IEEE Transactions on Microwave Theory and Techniques*, 54, pp. 1131-1138, 2006.

Jiang, Wenping, Abhijeet S. More, W. D. Brown, and Ajay P. Malshe, "A cBN-TiN Composite Coating for Carbide Inserts: Coating Characterization and Its Applications for Finish Hard Turning", *Surface and Coatings Technology*, Vol. 201, Issue 6, pp. 2443-2449, 2006.T.

Jong I.-C., J.J. Rencis, and H.T. Grandin, "A New Approach to Analyzing Reactions and Deflections of Beams: Formulation and Examples," Applied Mechanics Division, CD-ROM Proceedings of the 2006 ASME International Mechanical Engineering Congress and Exposition, Chicago, IL November 5-10, 2006.

Jong, I.-C. "Determining Deflections of Hinge-Connected Beams Using Singularity Functions: Right and Wrong Ways," Session 1, Proceedings of the 2006 Midwest Section Conference of the American Society for Engineering Education, Kansas City, MO, September 13-15, 2006.

Joshi, A., K. Y. Narsingi, M. O. Manasreh, E. A. Davis, and B. D. Weaver, "Temperature Dependence of the Band Gap of Colloidal CdSe/ZnS Core/Shell Nanocrystals Embedded Into a UV Curable Resin," Appl. Phys. Lett., 89, 131907, 2006.

Joshi, A., M. O. Manasreh, E. A. Davis, and B. D. Weaver, "Optical Properties of Colloidal InGaP/ZnS Core/Shell Nanocrystals," Appl. Phys. Lett., 89, 111907, 2006.

Jung, S., T. Ji and V. K. Varadan, "Point-of-care Temperature and Respiration Monitoring Sensors For Smart Fabric Applications", Journal of Smart Materials and Structures, 15, pp. 1872- 1876, 2006.

Kavdia M., and Popel A. S., "Venular endothelium derived no can affect paired arteriole: a computational model." American Journal of Physiology-Heart Circ Physiol. 290(2): H716-H723. 2006. Journal Impact factor-3.53.

Kavdia M., "A computational model for free radical transport in the microcirculation. Antioxidants and Redox Signaling." 8: 1103-1111. 2006. Journal Impact factor-3.78.

Kavdia M. and Potdar S. S. "Nicotine Induced Alterations in Endothelial Cell Release of Nitric Oxide and Free Radicals Under Shear Stress." Journal of Applied Physiology.

Kim, J. W. and T.L. Peeples. "Screening extremophiles for bioconversion potentials." Biotechnol. Prog. 22:1720-1724.

Kim, J. W., N. Kotagiri, PhD, E.V. Shashkov, E.I. Galanzha, and V.P. Zharov. Photothermal antimicrobial nanotherapy with self-assembling carbon nanotube clusters. Lasers in Surgery and Medicine.

Kim, J.W. and Tung, S. 2006. "Microscale hybrid devices powered by biological flagellar motors." IEEE Transactions on Automation Science and Engineering 3:260-263.

Kim, J. W., and S. Tung. 2006. "Hybrid flagellar motor/MEMS based TNT detection system." Proc. SPIE 6223:62230A.

Kim, J.W., Al-Fandi, M., PhD, A. Malshe, S. Tung, J. Jenkins, and R. Pooran, PhD. 2006. "Chemo-sensitivity and reliability of flagellar rotary motor in a MEMS microfluidic actuation system." Sensors and Actuators B: Chemical 114:229-238.

Kim, J.W., Chen, J., R. Deaton, M. Garzon, D. H. Wood, H. Bi, D. Carpenter, MS, and Y.-Z. Wang. 2006. "Characterization of non-crosshybridizing DNA oligonucleotides manufactured in vitro." *Natural Computing* 5:165-181.

Kim, J.W., Zharov, V.P., D.T. Curiel, and M. Everts. 2006. "Amplified laser-nanocluster interaction in DNA, viruses, bacteria, and cancer cells: potential for nanodiagnosics and nanotherapy." *Lasers in Surgery and Medicine* 38(S18):16.

Kim, J. W. 2007. "Challenge to Bio-Actuators: Hybrid Flagellar Motor/MEMS Based Systems." International Symposium on Neo-Robotics, Nagoya Institute of Technology, Nagoya, Japan.

Kim, J. W., N. Kotagiri, PhD, R. Deaton, and S. Tung. 2007. "DNA-Directed Self-Assembly of Microscopic 1-D Carbon Nanotube Wire." IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Bangkok, Thailand.

Kim, J.W., Clendenin, J., PhD, and S. Tung. 2007. "An Aligned Carbon Nanotube Biosensor for DNA Detection." IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Bangkok, Thailand.

Kim, J. W., J. S. Lee, PhD, and R. Deaton. 2007. "Non-Crosshybridizing Oligonucleotide Building Blocks for Accurate, Scalable, and High-Rate Nanofabrication." IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Bangkok, Thailand.

King, J.W., M. L. Hopper and J.M. Snyder "Extraction and enrichment of pesticides for analysis using binary supercritical fluid mixtures." *Sep. Sci. Tech.* 41(5) (2006): 861-875.

Lee, W., and C. S. Curry, "A Performance Analysis of OFDM Systems In Excessively Dispersive Multipath Channels," *KICS/IEEE Journal of Communications and Networks*, vol. 8, no. 3, pp. 323-329, Sept. 2006.

Li, W., D. Hayes, J. Zhang, R. Bheemavaram, C. Portor, and T. Schweiger "Parallel and distributed grouping algorithms for finding related records of huge data sets on cluster grids" ALAR 07 conference on applied research in information technology, March 2007.

Li, W. "An Empirical Study of 'spelling correction' for Prospecting Application" ALAR 07 conference on applied research in information technology, March 2007.

Li, W. and T. Schweiger ""Distributed Data Structures and Algorithms for Disjoint Sets in Computing Connected Components of Huge Network" International Conference on Parallel and Distributed Processing Techniques and Applications, June 2007.

Li, Y. and Cheng, F., Y. Ying, 2006. "Detection of defects in rice seeds using machine vision." *Transactions of the ASABE* 49(6): 1929-1934.

Li, Y., and X. Su. 2006. "Microfluidics based optical biosensor for rapid detection of Escherichia coli O157:H7." *Journal of Rapid Methods and Automation in Microbiology* 14: 96-109.

Li, Y., Liu, Z., B. Swem, Y. Cheng. 2006. "Disinfection of recirculated bacon chilling brine using flow-through electrolyzing treatment chambers." *Applied Engineering in Agriculture* 22(5):737-745.

Li, Y., Mao, X., L. Yang, X. Su. 2006. "Nanoparticles amplification based quartz crystal microbalance DNA sensor for detection of E. coli O157:H7." *Biosensors & Bioelectronics* 21(7):1178-1185.

Li, Y., Pradhan, A., J. Marcy, M. Johnson and M. Tamplin. 2006. "Pathogen kinetics and heat/mass transfer-based predictive models for Listeria in irregular-shape poultry products during thermal processing." *Journal of Food Protection* (final proof, November 8, 2006).

Li, Y., Varshney, M., B. Srinivasan, S. Tung, G. Erf, M. Slavik, Y. Ying and W. Fang. 2006. "A microfluidics filter biochip-based chemiluminescence biosensing method for detection of Escherichia coli O157:H7." *Transactions of the ASABE* 49(6): 2061-2068.

Li, Y. and Varshney, M. 2006. "Interdigitated array microelectrode based impedance biosensor coupled with magnetic nanoparticle-antibody conjugates for detection of Escherichia coli O157:H7 in food samples." *Biosensors & Bioelectronics* (final proof and available on-line, September 10, 2006).

Li, Y. and Yang, L. 2006. "Detection of viable Salmonella using microelectrode-based capacitance measurement coupled with immunomagnetic separation." *Journal of Microbiological Methods* 64(1): 916.

Li, Y., and Yang, L. 2006. "Quantum dot bioconjugates for simultaneous detection of Escherichia coli O157:H7 and Salmonella Typhimurium." *The Analyst* 131(3): 394-401.

Liang, B. L., Zh. M. Wang, Yu. I. Mazur, G. J. Salamo, E. A. Decuir, Jr., and M. O. Manasreh, "Correlation Between Surface and Buried InAs Quantum Dots," *Appl. Phys. Lett.*, 89, 043125, 2006.

Liar, E. B., S. S. Ang, A. A. O.Tay, H. H. Feng, R.Nagarajan, V.Kripesh, "Fatigue and Bridging Study of High-aspect-ratio Multi-copper-column Flip-chip Interconnects through Solder Joint Shape Modeling," *IEEE Transactions on Components and Packaging, Part A: Packaging Technology*, vol. 29, no. 3, pg. 560-569, September 2006.

Malshe, A.P. and S.A. Batzer, "Dry Machining of Aluminum-Silicon Alloy using Polished CVD Diamond-Coated Cutting Tools Inserts," Prabhu U. Arumugam, *Surface Coating and Technologies*, 200, pp. 3399-3403. 2006.

Al-Fandi, M., J.-W. Kim, A. Malshe, S. Tung, J. Jenkins, and R. Pooran, "Chemo-Sensitivity and Reliability of Flagellar Rotary Motor in MEMS Microfluidic Actuation System," *Sensors and Actuators B: Chemical*, Vol. 114(1), pp. 229-238, 2006.

Rajurkar, K.P., G. Levy, A.P. Malshe, M.M. Sundaram, J. McGeough, A. DeSilva, X. Hu, and R. Resnick, "Micro and Nano Machining by Electro-Physical and Chemical Processes," *Annals of the CIRP*, Vol. 55/2/2006.

Wu, J.-H., B.S. Phillips, W. Jiang, J.H. Sanders, J.S. Zabinski, and A.P. Malshe, "Bio-inspired Surface Engineering and Tribology of MoS<sub>2</sub> Overcoated cBN-TiN Composite Coating," *Wear*, 261(5-6), pp. 592-599, 2006.

Parishram, P., A.P. Malshe, and A. Fulton, "Laser Melt Processing of H13 Tool Steel," ASME International Mechanical Engineering Congress and Exposition, Chicago, Illinois, 2006.

Virwani, K.R., A.P. Malshe, and K.P. Rajurkar, "Wear and Surface Reconstruction of a Nano-tool at the Electrode-liquid Interface during Nano Electro Machining," *Proceeding of 4<sup>th</sup> International Symposium of Nanomanufacturing*, MIT, Boston, MA, November, 2006, (Best Student Paper Award).

Verma, A., A.P. Malshe, W. Brown, W. Jiang, A. Adhvaryu, and P. McCluskey, "Exploring Mechanical Synthesis of Inorganic Nanoparticles of MoS<sub>2</sub> Lubricant and Its Composite with Organic Medium for Advanced Manufacturing," *Proceeding of 4<sup>th</sup> International Symposium of Nanomanufacturing*, MIT, Boston, MA, November, 2006, (Best Student Paper Award).

Jiang, W., L. Sun, G. Nyandoto, and A.P. Malshe, "Electrostatic Spray Deposition of Nanostructured Hydroxyapatite (HAp) Coating for Biomedical Applications," *Proceeding of 4<sup>th</sup> International Symposium of Nanomanufacturing*, MIT, Boston, MA, November, 2006.

Wang, X., S. S. Li, K. W. Kim, S. Yoon, V. Craciun, J. M. Howard, M. O. Manasreh, O. D. Crisalle, and T. J. Anderson, "Investigation of Rapid Thermal Annealing On Cu(In,Ga)Se<sub>2</sub> Films and Solar Cells," *Journal of Solar Energy Materials and Solar Cells*, 90, 2855-2866, 2006.

Manzur, Yu. I., Zh. M. Wang, G. J. Salamo, V. V. Strelchuk, V. P. Kladko, V. F. Machulin, M. Ya. Valakh, and M. O. Manasreh, "Investigation of Indium Distribution in InGaAs/GaAs Quantum Dot Stacks Using High-resolution X-ray Diffraction and Raman Scattering," *J. Appl. Phys.*, 99, 023517-1, 2006.

Mason, S.J., S. Jin, J. Jampani. "A Moving Block Heuristic for Minimizing Earliness and Tardiness on a Single Machine With Unrestrictive Common Due Dates." *Journal of Manufacturing Systems*, Vol. 24, No. 4, (2005): 328-338. (Appeared in print in 2006).

Gupta, J.N.D., R. Ruiz, J.W. Fowler, and S.J. Mason. "Operational Planning and Control of Semiconductor Wafer Production." *Production Planning & Control*, Vol. 17, No. 7, (2006): 639-647.

Matlock, M.D., Sen, S., B.E. Haggard, I. Chaubey, K.R. Brye, and T.A. Costello. 2006. Preliminary investigation into sediment phosphorus release at Beaver Reservoir, Northwest Arkansas, 2002-3." *Water, Air, & Soil Pollution*, Pages 1-11, DOI 10.1007/s11270-006-9214-y.

Matlock, M.D., Charbonnet, D. G.S. Osborn, P.K. Haan. 2006. Application and Validation of the Spreadsheet Method for Determining SOD. *Transactions ASABE*, Vol. 49(6):2039-2050.

Matlock, M.D., Osborn, G. S., D. Charbonnet, P.K. Haan. 2006. A Spreadsheet Method for Determining SOD from Simple Field Measurements. *Trans. ASABE*.

McGee, J.B., M.D. Rossetti, and S.J. Mason. "Quantifying the Effect of Transportation Practices in Military Supply Chains." *Journal of Defense Modeling and Simulation*, Vol. 2, No. 2, (2005): 87-100. (Appeared in print in 2006).

McNutt, T. R., A. R. Hefner Jr., H. A. Mantooth, J. L. Duliere, D. W. Berning, and R. Singh, "Physics-based Modeling and Characterization For Silicon Carbide Power Diodes," *Journal of Solid-State Electronics*, Elsevier, vol. 50, issue 3, pp. 388-398, March 2006.

Bukchin, Y., R.D. Meller, and Q. Liu. "Assembly System Facility Design." *IIE Transactions on Design & Manufacturing*, Vol. 38, No. 1, (2006): 53-66.

Gue, K.R., R.D. Meller, and J.D. Skufca. "The Effects of Pick Density on Order Picking Areas with Narrow Aisles." *IIE Transactions on Design & Manufacturing*, Vol. 38, No. 10, (2006): 859-868.

Liu, Q., and R.D. Meller. "A Sequence-Pair Representation and MIP Model Based Heuristic for the Facility Layout Problem." *IIE Transactions on Design & Manufacturing*, Vol. 39, No. 4, (April 2007): 377-394.

Lilaj, E., and R.D. Meller. "Advanced Additives." *CICMHE Educational Case Studies*, Charlotte, NC, September 2006.

Meller, R.D., W. Chen, and H.D. Sherali. "A New Formulation for Optimal Facility Layout Design." *Proceedings of the 2006 NSF Design, Service, and Manufacturing Grantees and Research Conference*, St. Louis, MO, July 2006.

Mendoza, A., N. Buyurgan, and J.R. English. "Predicting Reliability of Powered Roller Conveyors via Artificial Neural Networks." *Institute of Industrial Engineers (IIE) Annual Conference*, Nashville, TN, May 2007.

Mendoza, A., J.R. English, and N. Buyurgan. "Availability of Powered Roller Conveyors." *17<sup>th</sup> International Conference on Flexible Automation and Intelligent Manufacturing (FAIM)*, Philadelphia, PA, June 2007.

Nam, C.S., and K. Thomas. "Effects of Cultural Difference and Task Complexity on Team Interaction Process." *Journal of the Ergonomics Society of Korea*, Vol. 25, No. 3, (2006): 7-16.

Chung, D., B.D. deBuys, and C.S. Nam. "Influence of Avatar Creation on Attitude, Empathy, Presence, and Para-Social Interaction." Proceedings of the 12<sup>th</sup> International Conference on Human-Computer Interaction (HCII '07), Lecture Notes in Computer Science Series, 2007.

Konomi, S., T. Saito, C.S. Nam, T. Shimada, Y. Harada, and K. Sezaki. "Designing for Usability and Safety in RFID-Based Intelligent Commuting Environments." International Conference on Machine Learning and Cybernetics (ICMLC), Hong Kong, China, 2007.

Murayama, J., H. Shimizu, C.S. Nam, and M. Sato. "An Educational Environment for Chemical Contents with Haptic Interaction." International Conference on Cyberworlds, Hannover, Germany, 2007.

Nam, C.S., J. Lyons, and Y. Li. "Team Coordination and Collaboration within a Distributed Logistics Network." Annual Symposium on Applied Experimental Research, Fairfax, VA, 2007.

Nam, C.S., and D. Chung. "The Influences of Haptic Thermal Feedback on Object Identification and Perceived Presence." Proceedings of the 16<sup>th</sup> World Congress of the International Ergonomics Association (IEA) 2006, Maastricht, Netherlands, July 2006.

Nam, C.S., and S. Johns. "Measuring Perceived Presence in Technologically Mediated Environments: A Research Framework." Proceedings of the 9<sup>th</sup> Annual International Workshop on Presence, Cleveland, OH, August 2006.

Nam, C.S., and I. Shafieloo. "Haptic Virtual Environments as a Science Learning Supporting Tool: A Preliminary Study." Proceedings of the IASTED International Conference on Educational Technology, Calgary, Alberta, July 2006.

Nam, C.S. "Haptic Thermal Interface: A New Technology for Supporting Presence in Multimodal Virtual Environments." Proceedings of the 9<sup>th</sup> Annual International Workshop on Presence, Cleveland, OH, August 2006.

Ryu, Y.S., C.S. Nam, and T.L. Smith-Jackson. "Web-Based Instruction for High School Students: Exploration of Individual and Cultural Learning Styles." Proceedings of the IASTED International Conference on Web-Based Education, Chamonix, France, 2007.

Shimizu, H., J. Murayama, H. Sato, C.S. Nam, and M. Sato. "Learning Tool Aided by Haptics for Intermolecular Understanding." NICOGRAPH International Conference, Toyota, Japan, 2007.

Soeffner, J., and C.S. Nam. "Co-Presence in Shared Virtual Environments: Avatars Beyond the Opposition of Presence and Representation." Proceedings of the 12<sup>th</sup> International Conference on Human-Computer Interaction (HCII '07). Lecture Notes in Computer Science Series, 2007.

Albarghouti, Marwan, Hameed Naseem, and Mowafak Al-Jassim, "TEM Investigation of the Role of a Nano-oxide Layer in Aluminum-Induced Crystallization of a-Si:H," *Electrochemical and Solid State Letters*, Vol. 9, No. 7, p. G225, 2006.

Keazer, J.A. and D.W. Nutter, "Understanding the Needs of Arkansas School Districts Relative to Building Use and Control, Utility Tracking, Personnel, and Facility Planning," *Proceedings of the 15<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates*, Orlando, FL, July 24-26, 2006.

Althebyan, Qutaibah and Brajendra Panda, "A Knowledge-Base Model for Insider Threat Prediction", In *Proceedings of the 8th Annual IEEE SMC Information Assurance Workshop*, West Point, NY, June 20-22, 2007.

Zuo, Yanjun and Brajendra Panda, "Network Viruses: Challenges and Threats to E-Business", In *Proceedings of the 6th WuHan International Conference on E-business (WHICEB 2007)*, Wuhan, China, May 25-27, 2007.

Hu, Yi and Brajendra Panda, "A Web of Trust Oriented Information Flow Network," In *Proceedings of the International Conference on Integration of Knowledge Intensive Multi-Agent Systems (KIMAS'07)*, Waltham, MA, April 29 – May 3, 2007.

Hu, Yi, Zhichun Xiao, and Brajendra Panda, "Modeling Deceptive Information Dissemination Using a Holistic Approach", In *Proceedings of the 22nd Annual ACM Symposium on Applied Computing, Special Track on "Trust, Recommendations, Evidence, and other Collaborative Know-how (TRECK)"*, Seol, South Korea, March 11-15, 2007.

Hu, Yi, Zhichun Xiao, and Brajendra Panda, "A Trust Based Information Dissemination Model for Evaluating the Effect of Deceptive Data", In *Proceedings of the 40th Hawaii International Conference on System Sciences (HICSS 40) Minitrack on Information Systems Security (under the Internet and Digital Economy track)*, Waikoloa, Big Island, Hawaii, January 3-6, 2007.

Hu, Yi and Brajendra Panda, "Modeling Propagation of Deceptive Information", In *Proceedings of the Second Secure Knowledge Management Workshop (SKM) 2006*, Polytechnic University, Brooklyn, NY, September 28-29, 2006.

Pohl, L.M., R.D. Meller, and K.R. Gue. "An Evaluation of Two New Warehouse Aisle Designs for Dual-Command Travel." *Proceedings of the 2007 Industrial Engineering Research Conference*, Nashville, TN, May 2007.

Pohl, L.M., R.D. Meller, and K.R. Gue. "Modeling Pick-Face Blocking in an Order-Picking System." *Proceedings of the 2007 Industrial Engineering Research Conference*, Nashville, TN, May 2007.

Rajagopalan, R., and C.R. Cassady. "An Improved Selective Maintenance Solution Approach." *Journal of Quality in Maintenance Engineering*, Vol. 12, No. 2, (2006): 172-185.

Asmundsson, J., R. Uzsoy, and R. Rardin. "Tractable Nonlinear Production Planning Models for Semiconductor Wafer Fabrication Facilities." *IEEE Transactions on Semiconductor Manufacturing*, 2007.

Orcun, S., J. Asmundsson, J. Clement, J. Pekny, and R. Rardin. "Supply Chain Optimization and Protocol Environment (SCOPE) for Rapid Prototyping and Analysis of Complex Supply Chains." *Production Planning and Control*, 2007.

Qu, X., R. Rardin, J.A. Williams, and D. Willis. "Matching Daily Healthcare Provider Capacity to Demand in Advanced Access Scheduling Systems." *European Journal of Operational Research*, 2007.

Oberbeck, J., Z. Yu, R. Rardin, and F. Holland. "Modeling Regional CO2 Control in Energy Production with Cap & Trade Regulation." *Proceedings of the General Meeting of the IEEE Power Engineering Society*, June 2007.

Terdalkar, S. and J.J. Rencis, "Graphically Driven Interactive Finite Element Stress Reanalysis for Machine Elements in the Early Design Stage," *Finite Element in Analysis and Design*, 42, 884-899, 2006.

Rencis, J.J., and D. Immaneni, "A Simple Finite Element Coupled Model for the Stress Analysis of Rotating Parts," CD-ROM *Proceedings of the 2006 ASME International Mechanical Engineering Congress and Exposition*, Chicago, IL November 5-10, 2006.

Rencis, J.J., and H.T. Grandin, "Solving Beam Deflection Problems using the Traditional Approach to Solve Axial and Torsion Problems," *Applied Mechanics Division, CD-ROM Proceedings of the 2006 ASME International Mechanical Engineering Congress and Exposition*, Chicago, IL November 5-10, 2006.

Rencis, J.J., H.T. Grandin, and W.O. Jolley, "A Finite Element Module for Undergraduates," *Proceedings of the 41<sup>st</sup> American Society of Engineering Education (ASEE) Midwest Section Meeting*, Kansas City, MO, September 13-15, 2006.

Collins, T.R., M.D. Rossetti, H.L. Nachtmann, and J.R. Oldham. "The Use of Multi-Attribute Utility Theory to Determine the Overall Best-in-Class Performer in a Benchmarking Study." *Benchmarking International Journal*, Vol. 13, No. 4, (2006): 431-446.

Rossetti, M.D., and S. Thomas. "Object-Oriented Multi-Indenture Multi-Echelon Spare Parts Supply Chain Simulation Model." *International Journal of Modeling and Simulation*, Vol. 26, No. 4, (2006).

Hobbs, B., M.D. Rossetti, and P. Faas. "An Object-Oriented Framework for Simulating Automatic Data Collection Systems." *Proceedings of the 2006 Winter Simulation Conference*, Piscataway, NJ, 2006.

Rossetti, M.D., and S. Nangia. "An Object-Oriented Framework For Simulating Full Truckload Transportation Networks." Proceedings of the 2007 Winter Simulation Conference, Piscataway, New Jersey, 2007.

Rossetti, M.D., and V. Desai. "Evaluating Clustering Methods for Multi-Echelon (r, Q) Policy Settings." Industrial Engineering Research Conference Proceedings, Nashville, TN, May 19-23, 2007.

Rossetti, M.D., M. Miman, V. Varghese, and Y. Xiang. "An Object-Oriented Framework for Simulating Multi-Echelon Inventory Systems." Proceedings of the 2006 Winter Simulation Conference, Piscataway, NJ, 2006.

Rossetti, M.D., S. Gumrukcu, N. Buyurgan, and J.R. English. "Inventory Accuracy Improvement via Cycle Counting in a Two-Echelon Supply Chain." Institute of Industrial Engineers (IIE) Annual Conference, Nashville, TN, May 2007.

Rowbotham, T., J. Patel, T. Lam, S. Burkett, L. Cai, and L. Schaper, "Back Side Exposure of Variable Size Through-Silicon Vias," J. Vac. Sci. Technol. B, Vol. 24, No. 5, pp. 2460-2466, 2006.

Millett, P.C., R.P. Selvam, and A. Saxena, "Molecular Dynamics Simulation of Grain Size Stabilization in Nanocrystalline Materials by Addition of Dopants," Acta Materialia, pp. 297-305, 2006.

Findley, K.O., and A. Saxena, "Low Cycle Fatigue in Rene 88DT at 6500C: Crack Nucleation Mechanisms and Modeling," Metallurgical and Materials Transactions, Vol. 37A, pp. 1469-1475, 2006.

Yoon, K.B., T.G. Park, and A. Saxena, "Elevated Temperature Fatigue Crack Growth Model for DS-GTD-111," Journal of Strength, Fracture and Complexity, Vol. 4, pp. 35-40, 2006.

Ibanez, A., A. Saxena, and J. Kang, "Creep Behavior of Directionally Solidified Nickel Based Superalloy," Journal of Strength, Fracture and Complexity, Vol. 4, pp. 75-81, 2006.

Millett, P.C., R.P. Selvam, and A. Saxena, "Improving Grain Boundary Sliding with Segregated Dopants," Materials Science and Engineering A, Vol. 431, pp. 92-99, 2006.

Ibanez, A., V. S. Srinivasan, and A. Saxena, "Creep Deformation and Rupture Behaviour of Directionally Solidified GTD 111 Superalloy," Fatigue and Fracture of Engineering Materials and Structures, Vol. 29, pp. 1010-1020, 2006.

Saxena, A., "Future Tools for Predicting Reliability of High Temperature Components," EPRI International Conference Remaining Life Assessment, Louisville, KY, October 2006, (invited).

Kim, D., J. Wu, W.F. Schmidt, and A.P. Malshe, "Characterization of Mechanical Properties and Microstructure in Copper Nanopowder Alloyed Al7075 T651 Via Friction Stir Process,"

Proceedings of 2006 Annual TMS (The Minerals, Metals & Materials Society) Meeting, San Antonio, TX, 2006.

Millett, P.C., R.P. Selvam, A. Saxena (2006), Stabilization of nanocrystalline materials with dopants. *Acta Materialia*, 54(2):297-303.

Millett, P.C., R.P.Selvam and A. Saxena (2006), Improving grain boundary sliding resistance with segregated dopants, *Materials Science & Engineering A.*, 431, 92-99.

Selvam, R.P., L. Lin and R. Ponnappan, (2006), Direct Simulation of Spray Cooling: Effect of Vapor Bubble Growth and Liquid Droplet Impact on Heat Transfer, *Int. J. Heat and Mass Transfer.*, 49, 4265-4278.

Selvam, R.P., M. Sarkar, and R.Ponnappan (2006), Effect of Thermal Conductivity and Latent Heat of Vaporization of Liquid on Heat Transfer in spray Cooling, SAE Power Systems Conference, New Orleans, Louisiana, November 7-9.

Shee, A.K., and C.R. Cassady. "Assessing the Economic Performance of Continuous Sampling Plans." *Quality Technology and Quantitative Management*, Vol. 3, No. 1, (2006): 43-52.

Haggard, B.E., and Soerens, T.S., "Sediment Phosphorus Release at a Small Impoundment on the Illinois River, Arkansas and Oklahoma, USA" *Ecological Engineering*, Vol. 28, p. 280-287, 2006.

Sohraby, Kazem, "An Adaptive Algorithm For Active Queue Management", *Springer Journal of Combinatorial Optimization*, vol. 12, no. 1-2, pp. 151-162, September 2006.

Spearot, D.E., K.I. Jacob, and D.L. McDowell, "Dislocation Nucleation from Bicrystal Interfaces with Dissociated Structure," *The International Journal of Plasticity*, 23, 143-160, 2007.

Spiesshoefer, S., J. Patel, T. Lam, L. Cai, S. Polamreddy, R. F. Figueroa, S. L. Burkett, L. Schaper, R. D. Geil, and B. R. Rogers, "Copper Electroplating to Fill Blind Vias for 3D Integration," *J. Vac. Sci. Technol. A*, Vol. 24, No. 4, pp. 1277-1282, Jul/Aug. 2006.

Srivastava, A. K., K. N. Sood, R. Kishore, and H. A. Naseem, "Interfacial Diffusion Effect on Metal Induced Crystallization of an amorphous Silicon—A Microstructural Pathway," *Electrochemical and Solid State Letters*, Vol. 9, No. 7, p. G219, 2006.

Starling, G., B. Mashburn, G. Beavers, "Merging in Mixed Radix Sorting Networks", *Congressus Numerantium* 180 (2006), pp. 55-63.

Xiao Z., C. Thompson, and W. Li "Data Processing Workflow Automation in Grid Architecture" to appear in *Proc. The 5th international conference on grid and cooperative computing*. Oct. 2006.

Xiao, Zhichun , Craig Thompson, Wingning Li, "A Practical Data Processing Workflow Automation System in Acxiom Grid Architecture," International Workshop on Workflow Systems in Grid Environments (WSGE06), Changsha, China, October 21-23, 2006.

Neumeier, Kyle, Craig Thompson; "Dynamic Composition of Agent Grammars," Proceedings of the Second IASTED International Conference on Computational Intelligence, San Francisco CA, November 20-22 2006.

Neumeier, Kyle, Craig Thompson, "Parameterizing Menu Based Natural Language Interfaces with Location Models," IEEE International Conference on Integration of Knowledge Intensive Multi-Agent Systems (KIMAS-07), Waltham, MA., April 18-21 2007.

Hoag, Joseph, Reid Phillips, Craig Thompson, Ray Huetter, John Veizades, "SensorConnect Performance and Scalability Experiments," IEEE International Conference on RFID, Grapevine, TX, March 26-28, 2007.

Hoag Joseph E., Craig W. Thompson, "A Parallel General-Purpose Synthetic Data Generator," Sigmod Record, March 2007. <http://www.sigmod.org/record/>.

Varshney, M., Y. Li, B. Srinivasan, S. Tung, G. Erf, M. F. Slavik, Y. Ying, and W. Fang, "A Microfluidic Filter Biochip based Chemiluminescence Biosensing Method for Detection of Escherichia coli O157:H7," Transactions of the American Society of Agricultural and Biological Engineering (ASABE), Vol. 49(6), pp. 2061-2068, 2006.

Tung, S., and J. W. Kim, "Microscale Hybrid Devices Powered by Biological Flagellar Motors," IEEE Transactions on Automation Science and Engineering, Vol. 3(3), pp. 260-263, 2006.

Kim, J.-W., and S. Tung, "Hybrid Flagellar Motor/MEMS based TNT Detection System," Proceedings of SPIE, Vol. 6223, Micro (MEMS) and Nanotechnologies for Space Applications, Thomas George and Zhong-Yang Cheng, Editors, 2006.

Srinivasan, B., S. Tung, Y. Li, and M. Varshney, "Simulation of an Electrical Impedance Based Microfluidic Biosensor for Detection of E. coli cells," Proceedings of the COMSOL Users Conference, Boston, MA, 2006.

Kim, J.-W., R. Deaton, and S. Tung, "Development of Electrically Addressable DNA-Based Carbon Nanotube Wire Bio/Nano Sensors," International Food Nanotechnology Conference, Orlando, FL, 2006.

Varadan. V. V. and A, R. Tellakula, "Measurement of the Complex Permittivity, Permeability and Refractive Index in Metamaterials Composed of Discrete Split Ring Resonators in the 8-26 GHz Range", Journal of Applied Physics, Vol. 100, 034910, 2006.

Varadan, V. V., Z. Sheng, S. Penumarthy and S. Puligalla, "Comparison of Measurement and Simulation of Both Amplitude and Phase of Reflected and Transmitted Fields in Resonant Omega Media" Microwave and Optical Technology Letters, Vol. 48, No.8, pp.1549-1553, 2006.

Varadan, V. V., Swetha Puligalla and Ruyen Ro, “ S-Parameter Measurements for Oblique Angles of Incidence and Brewster Angle Studies for Metamaterial Samples”, *Microwave and Optical Technology Letters*, Vol. 48, pp. 2619-2624, 2006.

Varadan, V. V., Ruyen Ro and Sravanthi Penumarthy, “Switching of Electrical and Magnetic Resonances in Omega Structures by a Reflection Operation – Experimental Studies”, *Microwave and Optical Technology Letters*, Vol. 48, pp. 2624-2629, 2006.

Waller, M.A., C.R. Cassady, and J. Ozment. “Impact of Cross Docking on Inventory in a Decentralized Retail Supply Chain.” *Transportation Research, Part E*, Vol. 42, No. 5, (2006): 359-382.

Waller, M.S., H. Nachtmann, and J. Hunter. “Measuring the Impact of Inaccurate Inventory Information on a Retail Outlet.” *International Journal of Logistics Management*, Vol. 17, No. 3, (2006): 355-376.

Wang, Q and V. K. Varadan, “Vibration of Carbon Nanotubes Studied Using Nonlocal Continuum Mechanics” *Journal of Smart Materials and Structures*, 15, pp. 659-666, 2006.

Wang, Q., V. K. Varadan and S. T. Quek, “Small Scale Effect On Elastic Buckling of Carbon Nanotube With Nonlocal Continuum Models”, *Physical Review Letters*, 357, pp. 130-135, 2006.

White, P.M., Jr., D.C. Wolf, G.J. Thoma, C.M. Reynolds “Phytoremediation of Alkylated Polycyclic Aromatic Hydrocarbons in a Crude Oil-Contaminated Soil.” *Water, Air, & Soil Pollution* 169(1-4) (2006): 207-220.

Kirkpatrick, W.E., P.M. White, Jr., D.C. Wolf, G.J. Thoma, C.M. Reynolds “Selecting plants and nitrogen rates to vegetate crude-oil-contaminated soil.” *International Journal of Phytoremediation* 8(4) (2006): 285-297.

Xie, J., L. Chen, K. R. Aatre, M. Srinivastan and V. K. Varadan, “Somatosensory Neurons Growth On Functionalized Carbon Nanotube Material”, *Journal of Smart Materials and Structures*, 15, pp. S41-46, 2006.

Xie, J, N. Zhang and V. K. Varadan, “Functionalized Carbon Nanotubes in Platinum Decoration”, *Journal of Smart Materials and Structures*, 15, pp. S5-S8, 2006.

Ye, K. and Jin, S. (2006) “Potent and specific inhibition of retroviruse production by coexpression of multiple siRNAs directed against different regions of viral genomes.” *Biotechnol. Prog.* 22, 45-52.

Yeung, T.G., S.J. Mason, J.R. Chimka, and M.A. Greiner. “Recommendations for Automatic Identification Technology in the Air Force Supply Chain.” *Air Force Journal of Logistics*, Vol. 30, No. 3, (2006): 80-83.

Yeung, T.G., and S.J. Mason. "Using Real Options Analysis to Value Re-optimization Options in the Shifting Bottleneck Heuristic." *Naval Research Logistics*, Vol. 53, No. 4, (2006): 285-297.

Yoon, H., J. Xie, J. K. Abraham, V. K. Varadan and P. Ruffin, "Passive Wireless Sensors Using Electrical Transistion of Carbon Nanotube Junctions In Polymer Matrix", *Journal of Smart Materails and Structures*, 15, pp. S14-S20, 2006.

Chiang, C.F., Y. S. Wu, and Young, J.C., "Critical Analysis of Computing Equations for Determination of BOD by Dilution Methods" *Jour. of Environmental Engineering, ASCE*, V. 132., No. 5, pp. 470 – 478.

Zhang, N., J. Xie and V. K. Varadan, "Soluble functionalized carbon nanotube/poly(vinyl alcohol) nanocomposite as the electrode for glucose sensing", *Journal of Smart Materials and Structures*, 15, pp. 123-128, 2006.

Zhang, T., Zhang, W. Dong, J. Kasbohm, V. K. Varadan and Z. R. Tian, "Design and Hierarchical Synthesis of Branched Heteromicrostructures", *Journal of Smart Materials and Structures*, 15, pp. N46-N50, 2006.

Zhang, S., R. Khare, T. Belytschko, K.J. Hsia, S.L. Mielke, and G.C. Schatz, "Transition States and Minimum Energy Pathways for the Collapse of Carbon Nanotubes," *Physical Review B* 73, 075423, 1-8, 2006.

Zhang, S., R. Khare, Q. Lu, and T. Belytschko, "A Bridging Domain and Strain Computation Method for Coupled Atomistic-continuum Modelling of Solids," *International Journal for Numerical Methods in Engineering*, November 2, 2006.

Zhu, J., and W. Lee, "Carrier Frequency Offset Estimation For OFDM Systems With Null Subcarriers," *IEEE Transactions on Vehicular Technology*, vol. 55, no. 5, pp. 1677-1690, Sept. 2006.

Zou, Min, Li Cai, and William Brown, "Nano-Aluminum-Induced Crystallization of Amorphous Silicon", *Materials Letters*, , Vol. 60, Issue 11, pp. 1379-1382, 2006.

Zou, M., H. Wang, P.R. Larson, K.L. Hobbs, M.B. Johnson, and O.K. Awitor, "Ni Nanodot-patterned Surfaces for Adhesion and Friction Reduction," *Tribology Letters*, Vol. 24, No. 2, pp. 137-142, 2006.

Zou, M., and D. Yang, "Nanoindentation of Silica Nanoparticles Attached to a Silicon Substrate," *Tribology Letters*, Vol. 22, No.2, pp. 189-196, 2006.

Zou, M., W. Seale, H. Wang, and L. Cai, "Comparison of Tribological Performances of Nano- and Micro-textured Surfaces," *Proceedings of the Institution of Mechanical Engineers, Part N, Journal of Nanoengineering and Nanosystems*, Vol. 219, No. 3, pp. 103-110, 2006, (Invited Paper).

Zou, M., L. Cai, and S. Dorey, "Self-assembly of Aluminum-Induced Silicon Nanowires," *Electrochemical and Solid-State Letters*, Vol. 9, No. 4, pp. G133-135, 2006.

Zou, M., L. Cai, and H. Wang, "Adhesion and Friction Studies of a Nano-textured Surface Produced by Spin Coating of Colloidal Silica Nanoparticle Solution," *Tribology Letters*, Vol. 21, No.1, pp. 25-30, 2006.

Zou, M., L. Cai, and D. Yang, "Nanotribology of Silica Nanoparticle-textured Surfaces," *STLE Tribology Transactions*, Vol. 49, No. 1, pp. 66-71, 2006.

Zou, M., L. Cai, H. Wang, and W. Brown, "Nano-Aluminum-Induced Crystallization of Amorphous Silicon," *Materials Letters*, Vol. 60, No. 11, pp. 1379-1382, 2006.

Zou, M., L. Cai, H. Wang, and J. Xu, "Silicon Nanowires by Aluminum-Induced Crystallization of Amorphous Silicon," *Electrochemical and Solid-State Letters*, Vol. 9, No. 2, pp. G31-G33, 2006.

Zou, M., S. Dorey, D. Cai, Y. Song, R. Nair, L. Cai, and W. Brown, "Self Assembly of Si Nanoparticles Produced by Aluminum-induced Crystallization of Amorphous Silicon Film," *Electrochemical and Solid-State Letters*, Vol. 10, No. 2, 2006.

Zou, M., and D. Yang, "Nanoindentation of Silica Nanoparticles Attached to a Silicon Substrate," *STLE/ASME International Joint Tribology Conference*, October 23-25, 2006.

### **UNREFEREED PUBLICATIONS & PROCEEDINGS**

Abhulimen, I. U., S. Polamreddy, L. Cai, S. Burkett, and L. Schaper, "Effect of Process Parameters on Via Formation in Si using Deep Reactive Ion Etching (DRIE)," *Proc. AVS ICMI Conf.*, 2006.

Abu-Safe, Husam H., Hameed A. Naseem, and William D. Brown, "Fabrication of Poly-silicon Thin Films On Glass and Flexible Substrates Using Laser Initiated Metal Induced Crystallization of Amorphous Silicon", *Proceedings of Symposium A: Amorphous and Polycrystalline Thin-Film Silicon Science and Technology-2006*, *MRS Proceedings Volume 910*, 0910-A21-10, 6 pages, 2006.

Abu-Safe, Husam H., A. S. Islam, Hameed A. Naseem, and William D. Brown, "Analytical Studies of the Capping Layer Effect On Aluminum Induced Crystallization of Amorphous Silicon", *Proceedings of Symposium A: Amorphous and Polycrystalline Thin-Film Silicon Science and Technology-2006*, *MRS Proceedings Volume 910*, 0910-A21-09, 6 pages, 2006.

Abu-Safe, Husam H., Khalil Sharif, Hameed A. Naseem, William D. Brown, Ram Kishhor, and Mowafak Al-Jassim, "Epitaxial Silicon Thin Films by Aluminum-Induced Crystallization of Amorphous Silicon", *Proceedings of Symposium A: Amorphous and Polycrystalline Thin-Film Silicon Science and Technology-2006*, *MRS Proceedings Volume 910*, 0910-A21-04, 6 pages, 2006.

Ackerson, M. "Gas Oil Hydrotreating Using IsoTherming." 2006 Annual Meeting of NPRA, Salt Lake City, UT, 2006.

Lapiro, J., D.G. Bhat, S. Pulugurtha, and M.H. Gordon, "The Effects of Substrate Orientation in a Physical Vapor Deposition Magnetron Sputtering System on the Chromium-Nitride Coating Microstructure," University of Arkansas/SESRE Conference, Fayetteville, AR, August 4, 2006.

Brown, William, Arpana Verma, and Ajay P. Malshe, "Synthesis and Surface Engineering of Active Solid Lubricant Nanoparticles for Advanced Machining and Manufacturing", Proceedings of the 2006 NSF Design, Service, and Manufacturing Grantees and Research Conference, 4 pages, 2006.

Pimmel, R., B. Anderegg, S. Burkett, B. Watford, and C. Della-Piana, "Evaluation of Educational Development Projects," Proc. ASEE Conf., 2006.

Pimmel, R., S. Adams, B. Anderegg, S. Burkett, G. Gabriele, S. Kemnitzer, and B. Watford, "Dealing with NSF's Intellectual Merit and Broader Impacts Criteria," Proc. FIE Conf., 2006.

Wallace, S.N., K.S. Vaughn, D.J. Carrier, E.C. Clausen and J.W. King "Application of Bioassay Tests for Evaluating Critical Fluid Extracts." Proceedings of the 8th International Symposium on Supercritical Fluids, Kyoto, Japan, 2006.

Curry, C. S., and W. Lee, "An Evaluation Of Reduced Computations In Adaptive CFO Estimators For OFDM Systems," Proc. the 4th Int'l Conf. on Computing, Communications, and Control Technologies (CCCT '06), Orlando, Florida, vol. 2, pp. 263-267, Jul. 20-23, 2006.

Di, J. and S. Smith, "A Hardware Threat Modeling Concept for Trustable Integrated Circuits," IEEE Region 5 Technical Conference, Apr. 2007

Arthurs, A. and J. Di, "Overflow Detection and Correction in a Fixed-Point Multiplier," IEEE Region 5 Technical Conference, Apr. 2007.

Smith, S. and J. Di, "Detecting Malicious Logic through Structural Checking," IEEE Region 5 Technical Conference, Apr. 2007.

Barlow, M., V. Varadan, J. Di, and K. Phan, "A Self-Contained Cough Monitoring System," IEEE Region 5 Technical Conference, Apr. 2007.

Di, J., "A Framework on Mitigating Single Event Upset using Delay-Insensitive

El-Shenawee, Magda, Oliver Dorn and Miguel Castro, "Iterative Microwave Inversion Algorithm Based On the Adjoint-field Method For Breast Cancer Application," Proc. of the 14<sup>th</sup> European Conference on Mathematics for Industry, July 10-14, Madrid 2006.

Gordon, M.H., D.G. Bhat, S. Pulugurtah, and A. Aryasomayajula, "Development of Crystalline Alumina Coatings for Cutting Tools by a Novel Inverted Cylindrical Magnetron Sputtering

Technique,” NSF Design, Service and Manufacturing Grantees and Research Conference, St. Louis, MO, July 24-27, 2006.

Havens, J. and T. Spicer “LNG Safety: Computational Fluid Dynamic (CFD) Models for LNG Vapor Cloud Dispersion Exclusion Zones.” Gas Technology Institute Symposium, Houston, TX, 2006.

Havens, J. and T. Spicer “Error in FERC Environmental Impact Statement Determinations of LNG Vapor Cloud Exclusion Zones: Failure to Account for Air Mixing in Vapor Impoundments.” Mary Kay O’Connor Process Safety Center Symposium, College Station, TX, 2006.

Hornberger, J. M., R. M. Schupbach, H. A. Mantooth, and A. B. Lostetter, “Packaging of a High-Temperature Silicon Carbide (SiC) Three-Phase 4kW Motor Drive,” 39<sup>th</sup> International Symposium on Microelectronics (IMAPS 2006), pp. 721-728, San Diego, California, Oct. 8-12, 2006.

Jangwanitlert, A., J. Songboonkaew, W. Thammasiroj, J. C. Balda, “Analysis of Three-Level ZVS PWM Inverter for Induction Heating Applications”, Proceedings of the CES/IEEE 5th International Power Electronics and Motion Control Conference (IPEMC 2006), Shanghai, China, 13-16 August 2006.

Karim, K., G.J. Thoma, K.J. Davis, E.E. Gvur and D.C. Wolf “Influence of Sampling Variability in Assessing Phytoremediation Effectiveness of a Crude Oil-Contaminated Soil.” 13th Annual International Petroleum Environmental Conference, San Antonio, TX, 2006.

Karim, K., G.J. Thoma, Pei-Ting Hsu, Thang Ho and D.C. Wolf “Effect of Nitrogen Addition on Rhizo-Degradation Rates of Pyrene.” 13th Annual International Petroleum Environmental Conference, San Antonio, TX, 2006.

Karim, K., G.J. Thoma, K.J. Davis, E.E. Gvur and D.C. Wolf “Influence of Sampling Variability in Assessing Phytoremediation Effectiveness of a Crude Oil-Contaminated Soil.” 13th Annual International Petroleum Environmental Conference, San Antonio, TX, 2006.

Karim, K., G.J. Thoma, Pei-Ting Hsu, Thang Ho and D.C. Wolf “Effect of Nitrogen Addition on Rhizo-Degradation Rates of Pyrene.” 13th Annual International Petroleum Environmental Conference, San Antonio, TX, 2006.

King, J.W., K. Srinivas, J.M. del Valle, J.C. and de la Funete “Design optimization for the use of sub-critical fluids in biomass transformation, bio-fuel production, and bio-refinery utilization – I.” Proceedings of the 8th International Symposium on Supercritical Fluids (ISSF 2006), Kyoto, Japan, 2006. Proceedings No. OC-2-17, pp. 1-8 (CD Proceedings).

del Valle, J.M., J.C. de la Fuente, and J.W. King “Correlation for the variation with temperature of solute solubilities in hot, pressurized water.” Proceedings of the VII Iberoamerican

- Conference on Phase Equilibria and Fluid Properties for Process Design (equifase 2006), Morelia, Michoacan, Mexico, 2006. Proceedings pp 142-153 (CD Proceedings).
- Lee, W. and B. J. Sepko, "Clean-and-forward Approach In Cooperative Wireless Networks," Proc. IEEE Military Communications Conference (MILCOM '06), Washington, DC., Oct. 23-25, 2006.
- Lee, W., C. Wang, and K. Sohraby, "On Use Of Traditional M/G/1 Model For IEEE 802.11 DCF In Unsaturated Traffic Conditions," Proc. IEEE Wireless Communications and Networking Conf. (WCNC '06), Las Vegas, Nevada, pp. 1933-1937, Apr. 3-6, 2006.
- McCann, R., J. Daily and Glenn Addo, "RFID Technology in Large Truck and Trailer Applications," Proceedings of the 2006 Society of Automotive Engineers Commercial Vehicle Engineering Congress, Chicago, October 31–November 2, 2006.
- McCann, R. and Son Nguyen "Development of an Automated Pavement Profiling Truck," Proceedings of the 2006 Society of Automotive Engineers Commercial Vehicle Engineering Congress, Chicago, October 31–November 2, 2006.
- Ellis, K.P., R.D. Meller, J.H. Wilck, E. Hanlin, and H. Peng. "Additional Plant Logistics Studies and Revised Manufacturing Logistics Decision-Support Tool (v1.1) for Volvo Trucks." Volvo Trucks North America, Dublin, VA, September 2006.
- Meller, R.D., and E. Lilaj. "Carousel and VLM Package Overview." Carousel/VLM Product Section, Material Handling Industry of America, Charlotte, NC, November 2006.
- Meller, R.D. A Research Project Report on "The Status and Future of Material Handling Education." College-Industry Council on Material Handling Education, Material Handling Industry of America, Charlotte, NC, December 2006.
- Meller, R.D. "Creating a Sustainable Future for Material Handling Education: A Set of Recommendations for CICMHE." College-Industry Council on Material Handling Education, Material Handling Industry of America, Charlotte, NC, December 2006.
- Meller, R.D. "Bill of Rights?" DC Velocity (Across the Dock Section), March 2007.
- Anwar, M., P. Lala, J. Parkerson, "A Novel FPGA Architecture with Built-in Error Correction," 2007 IEEE Instrumentation and Measurement Technology Conference, Warsaw, Poland, May 1-3, 2007.
- Penney, W.R., E.C. Clausen "Laboratory Demonstrations/Experiments in Free and Forced Convection Heat Transfer." Proceedings of the 2006 American Society for Engineering Education Annual Conference and Exposition, Chicago, IL, 2006.

Penney, W.R. and E.C. Clausen “Laboratory Demonstrations/Experiments in Free and Forced Convection Heat Transfer.” Presented at the 2006 American Society for Engineering Education Annual Conference and Exposition, Chicago, IL, 2006.

Penney, W.R. and Anurag Singh “Experimental and Correlational Studies of a Vickers-Zimmer Style Polyester Finisher.” Paper 193a, written and presented at 2006 Winter Annual AIChE Meeting, San Francisco, CA, 2006.

Penney, W.R., N.H. Chowdhury and Mallick Abdul “Interstage Backmixing and Purging Performance of Multistage Solids purge Columns.” Paper 506f, written and presented at 2006 Winter Annual AIChE Meeting, San Francisco, CA, 2006.

Pohl, E.A. “Change.” PHALANX, Bulletin of Military Operations Research, Vol. 30, No. 3, ISSN 0195-1920, December 2006.

Immaneni, D., and J.J. Rencis, “Coupled Finite Element Line Model for the Stress Analysis of an Aircraft Engine Compressor,” Technical Journal of the ASME Early Technical Conference, Jackson, MS, October 6-7, 2006.

Rencis, J.J., H.T. Grandin, and W.O. Jolley, “A Finite Element Module for Undergraduates,” Proceedings of the 41<sup>st</sup> American Society of Engineering Education (ASEE) Midwest Section Meeting, Kansas City, MO, September 13-15, 2006.

Terdalkar, S., and J.J. Rencis, “Finite Element Stress Reanalysis for the Early Design Stage,” 2006 ASME Graduate Student Technical Conference Proceedings, University of Arkansas, Fayetteville, AR, April 6-8, 2006.

Ro, Ruyen and Vasundara V. Varadan, “Retrieval of Magneto-Electric Properties of Unsymmetric Metamaterials from Measured S-Parameters”, Digest, IEEE Antennas and Propagation Society International Symposium, 2006.

Rowbotham, T., J. Patel, T. Lam, I. U. Abhulimen, L. Cai, S. Burkett, and L. Schaper, “Back Side Exposure of Variable Size Through-Silicon Vias,” Proc. AVS ICMI Conf., 2006.

Schaper, L., “Integrated Passives: an Enabling Technology for 3-D Electronics,” IMAPS Device Packaging Conference, 2006.

Schaper, L., and C. Thomason, “High Density Tantalum Pentoxide Decoupling Capacitors,” ECTC, 2006.

Schaper, L., S. Burkett, M. Gordon, L. Cai, J. Patel, T. Lam, I. U. Abhulimen, and T. Rowbotham, “Systems in Miniature: Meeting the Challenges of 3-D VLSI,” 8<sup>th</sup> VLSI Packaging Workshop, Japan, 2006.

Balda, J.C., F.D. Barlow, R.P. Selvam and A. Elshabini (2006), Spray-Cooled SiC power modules for high temperature and high voltage operation, ONR Thermal Management Review, Berkeley, CA, Sep. 18-20.

Selvam, R.P., Multiphase flow 3D modeling of spray cooling: Effect of Liquid droplet impact on heat transfer, ONR Thermal Management Review, Berkeley, CA, Sep. 18-20.

Selvam, R.P., M. Hamilton and E. Silk (2006), Spray cooling modeling: Droplet impact and vapor growth effects on heat transfer in micro & macro gravity, TFAWS 2006: 17<sup>th</sup> Annual Thermal & Fluids Analysis Workshop, Baltimore, MD, Aug. 7-11, 2006.

Sharif, Khalil, Husam H. Abu-Safe, Hameed A. Naseem, William D. Brown, Mowafax Al-Jassim, and Harry M. Meyer III, "Epitaxial Silicon Thin Films By Low-Temperature Aluminum Induced Crystallization of Amorphous Silicon For Solar Cells Applications", Proceedings of the IEEE 4<sup>th</sup> World Conference on Photovoltaic Energy Conversion, pp. 1676-1679, 2006.

Sheng, Zhongyang and Vasundara V. Varadan, "Effect of Substrate Dielectric Properties and Tunable Metamaterials", Digest, IEEE Antennas and Propagation Society International Symposium, 2006.

Spicer, T.O. and E.C. Clausen "Experiments in Science and Engineering: A Workshop for High School Science Teachers." Proceedings of the 2006 Annual Meeting of the American Institute of Chemical Engineers, San Francisco, CA, 2006.

Mehta, C., A. Moralwar, K. Sublette, E. Jennings, K. Duncan, J. Brokaw, T. Todd, and G. Thoma "Monitoring Soil Ecosystem Recovery Following Bioremediation of a Terrestrial Crude Oil Spill With and Without a Fertilizer amendment." 14th International Conference on Environmental Bioindicators Linthicum Heights, MD, 2006.

Mehta, C., A. Moralwar, K. Sublette, E. Jennings, K. Duncan, J. Brokaw, T. Todd and G. Thoma "Monitoring Soil Ecosystem Recovery Following Bioremediation of a Terrestrial Crude Oil Spill With and Without a Fertilizer amendment." 14th International Conference on Environmental Bioindicators, Linthicum Heights, MD, 2006.

Duncan, K.E., B. A. Roe, F. Z. Najjar, K. L. Sublette, C. S. Mehta, A. A. Moralwar, J. M. Brokaw, T. C. Todd, G. J. Thoma "Response of eubacteria to oil and brine contamination in tallgrass prairie soil." 11th International Symposium on Microbial Ecology, Vienna, 2006.

Duncan, K.E., B.A. Roe, F.Z. Najjar, K.L. Sublette, C.S. Mehta, A.A. Moralwar, J.M. Brokaw, T.C. Todd, G.J. Thoma "Response of eubacteria to oil and brine contamination in tallgrass prairie soil." 11th International Symposium on Microbial Ecology, Vienna, 2006.

Alahari, Nitya, Kerry Sublette, Eleanor Jennings, Kathleen Duncan, Greg Thoma, Duane Wolf, Josh Brokaw, Mac A. Callahan "Earthworms as Ecoengineers in the Restoration of Oil and Brine-Impacted Soils Following Remediation." 6th Biennial Freshwater Spills Symposium Portland, OR, 2006.

Sublette, Kerry, Eleanor Jennings, Dan Weber, Carla J. Landrum, Shoeb Munshi, Melissa Barton, J. Berton Fisher, Kathleen Duncan, Greg Thoma, Tim Todd "Things I Wonder About in

the Restoration of Oil and Brine-impacted Sites.” 13th Annual International Petroleum Environmental Conference, San Antonio, TX, 2006.

Sublette, Kerry, Nitya Alahari, Eleanor Jennings, Kathleen Duncan, Greg Thoma, Duane Wolf, Josh Brokaw, Mac A. Callaham “Of Earthworms and Nematodes in Restoration of E&P Sites.” 13th Annual International Petroleum Environmental Conference, San Antonio, TX, 2006.

Sublette, Kerry, Nitya Alahari, Eleanor Jennings, Kathleen Duncan, Greg Thoma, Duane Wolf, Josh Brokaw, Mac A. Callaham “Of Earthworms and Nematodes in Restoration of E&P Sites.” 13th Annual International Petroleum Environmental Conference, San Antonio, TX, 2006.

Alahari, Nitya, Kerry Sublette, Eleanor Jennings, Kathleen Duncan, Greg Thoma, Duane Wolf, Josh Brokaw, Mac A. Callaham “Earthworms as Ecoengineers in the Restoration of Oil and Brine-Impacted Soils Following Remediation.” 6th Biennial Freshwater Spills Symposium, Portland, OR, 2006.

Sublette, Kerry, Eleanor Jennings, Dan Weber, Carla J. Landrum, Shoeb Munshi, Melissa Barton, J. Berton Fisher, Kathleen Duncan, Greg Thoma, Tim Todd “Things I Wonder About in the Restoration of Oil and Brine-impacted Sites.” 13th Annual International Petroleum Environmental Conference, San Antonio, TX, 2006.

Sublette, Kerry L., Eleanor M. Jennings, J. Bryan Tapp, J. Berton Fisher, Kathleen Duncan, Greg Thoma, Josh Brokaw, Tim Todd “Lessons Learned in Remediation and Restoration in the Oklahoma Prairie.” 13th Annual International Petroleum Environmental Conference, San Antonio, TX, 2006.

Duncan, Kathleen, Samer AbuBakr, Kerry L. Sublette, Eleanor M. Jennings, Nitya Alahari, Greg Thoma, Duane Wolf and Jody Davis “Efficacy of Various Treatments on the Restoration of Nitrogen Cycling in Tallgrass Prairie Impacted by Oil and Brine Spills.” 13th Annual International Petroleum Environmental Conference, San Antonio, TX, 2006.

Sublette, Kerry L., Eleanor M. Jennings, J. Bryan Tapp, J. Berton Fisher, Kathleen Duncan, Greg Thoma, Josh Brokaw, Tim Todd “Lessons Learned in Remediation and Restoration in the Oklahoma Prairie.” 13th Annual International Petroleum Environmental Conference, San Antonio, TX, 2006.

Duncan, Kathleen, Samer AbuBakr, Kerry L. Sublette, Eleanor M. Jennings, Nitya Alahari, Greg Thoma, Duane Wolf and Jody Davis “Efficacy of Various Treatments on the Restoration of Nitrogen Cycling in Tallgrass Prairie Impacted by Oil and Brine Spills” 13th Annual International Petroleum Environmental Conference, San Antonio, TX, 2006.

Alba, Oriana, Greg J. Thoma, Khursheed Karim, Duane Wolf, Paul White and K. Davis “Field study evaluating phytoremediation of a crude oil contaminated soil.” ASA-CSSA-SSSA International Annual Meetings, 2006.

Thoma, Greg J., Lyda Zambrano, Chun Yen Wong, Kerry L. Sublette, Kathleen Duncan “Probabilistic Risk and Reliability Analysis of Oil and Gas Exploration and Production in Sensitive Ecosystems.” 2006 AIChE National Meeting, San Francisco, CA, 2006.

Thoma, Greg J., Khursheed Karim, Duane Wolf, Paul White, Oriana Alba and K. Davis “A Five-Year Field Study to Evaluate Phytoremediation of a Crude Oil-Contaminated Soil.” 2006 AIChE National Meeting, San Francisco, CA, 2006.

Thoma, Greg J., Thanh Lam, Pei-Ting Hsu, Khursheed Karim, Duane Wolf and Susan Ziegler “In-Situ Measurement of Rhizosphere Degradation Kinetics.” 2006 AIChE National Meeting, San Francisco, CA, 2006.

Alba, Oriana, Greg J. Thoma, Khursheed Karim, Duane Wolf, Paul White and K. Davis “Field study evaluating phytoremediation of a crude oil contaminated soil.” ASA-CSSA-SSSA International Annual Meetings, 2006.

Thoma, Greg J., Lyda Zambrano, Chun Yen Wong, Kerry L. Sublette, Kathleen Duncan “Probabilistic Risk and Reliability Analysis of Oil and Gas Exploration and Production in Sensitive Ecosystems.” 2006 AIChE National Meeting, San Francisco, CA, 2006.

Thoma, Greg J., Khursheed Karim, Duane Wolf, Paul White, Oriana Alba and K. Davis “A Five-Year Field Study to Evaluate Phytoremediation of a Crude Oil-Contaminated Soil.” 2006 AIChE National Meeting, San Francisco, CA, 2006.

Thoma, Greg J., Thanh Lam, Pei-Ting Hsu, Khursheed Karim, Duane Wolf and Susan Ziegler “In-Situ Measurement of Rhizosphere Degradation Kinetics.” 2006 AIChE National Meeting, San Francisco, CA, 2006.

Hoag, Joe, Craig Thompson, “Architecting RFID Middleware,” Architectural Perspectives column, IEEE Internet Computing, September-October, 2006.

Thompson, Craig, Wing Ning Li, Zhichun Xiao\*, “Workflow Planning on a Grid,” Architectural Perspectives column, IEEE Internet Computing, January-February, 2007.

Thompson, Craig, “Architecting Secure Identity Solutions,” Symposium & Workshop on Identity Solutions, Arkansas State University, Jonesboro, Arkansas, February 21 and 22, 2007. <http://events.astate.edu/identitysymposium/presentations/thompson2dai.ppt>.

Phillips, Reid, John Allison, Craig Thompson, “Subsetting the Workflow Grid,” Conference on Applied Research in Information Technology, Acxiom Laboratory for Applied Research, Conway AR, March 9, 2007, Conway AR.

Hoag, Joe, Craig Thompson, “Applications of Synthetic Data Generation,” Conference on Applied Research in Information Technology, Acxiom Laboratory for Applied Research, Conway AR, March 9, 2007, Conway AR.

Thompson, Craig, Dale Thompson, "Identity Management, Architectural Perspectives column, IEEE Internet Computing, May-June, 2007. pp. 82-85.

Periaswamy, S. C. G., S. Bharath, M. Chagarlamudi, S. Estes, D. R. Thompson, "Attack graphs for EPCglobal RFID," in Proc. IEEE Region 5 Technical Conf., Fayetteville, Arkansas, April 20-21, 2007, pp. 391-396.

Byers, M., A. Lofton, A. K. Vangari-Balraj, and D. R. Thompson, "Brute force attack of EPCglobal UHF class-1 generation-2 RFID tag," in Proc. IEEE Region 5 Technical Conf., Fayetteville, Arkansas, April 20-21, 2007, pp. 386-390.

Uudmae, J., H. Sunkara, D. R. Thompson, S. Bruce, and J. Penumarthy, "MIXNET for radio frequency identification," in Proc. IEEE Region 5 Technical Conf., Fayetteville, Arkansas, April 20-21, 2007, pp. 382-385.

Thompson, D. R., J. Di, H. Sunkara, and C. Thompson, "Categorizing RFID privacy threats with STRIDE."

Ulrich, R. "Gaining Traction with Embedded Passives." CircuiTree, July 2006.

Ulrich, R. "A Capacitance-Size Diagram for Embeddable Dielectrics." CircuiTree, September 2006.

Ulrich, R. "When Good Passives Go Bad." CircuiTree, November 2006.

Varadan, Vasundara V. and Zhongyan Sheng, "Direct Comparison of the Magnitude and Phase of Measured S-parameters of Metamaterials with Finite Element Simulation", Digest, IEEE Antennas and Propagation Society International Symposium, 2006.

Varadan, Vasundara V. and Ruyen Ro, "Analyticity, Causality, Energy Conservation and the Sign of the Imaginary Part of the Permittivity and Permeability", Digest, IEEE Antennas and Propagation Society International Symposium, 2006.

Wolf, D.C., W.D. Kirkpatrick, P.M. White, Jr., K.J. Davis, G.J. Thoma "Petroleum Degradation Microbial Populations in Rhizosphere and Non-Rhizosphere Crude Oil-Contaminated Soil." 13th Annual International Petroleum Environmental Conference, San Antonio, TX, 2006.

Wolf, D.C., W.D. Kirkpatrick, P.M. White, Jr., K.J. Davis, G.J. Thoma "Petroleum Degradation Microbial Populations in Rhizosphere and Non-Rhizosphere Crude Oil-Contaminated Soil." 13th Annual International Petroleum Environmental Conference, San Antonio, TX, 2006.

Wolf, Duane, Greg J. Thoma, Thanh Lam, Pei-Ting Hsu, Khursheed Karim and Susan Ziegler "In situ measurement of pyrene rhizosphere degradation kinetics." ASA-CSSA-SSSA International Annual Meetings, 2006.

Wolf, Duane, Greg J. Thoma, Thanh Lam, Pei-Ting Hsu, Khursheed Karim and Susan Ziegler "In situ measurement of pyrene rhizosphere degradation kinetics." ASA-CSSA-SSSA International Annual Meetings, 2006.

Young, J.C., "Fundamentals of Aerobic and Anaerobic Treatment of Industrial Wastewaters" Proc. Workshop on Industrial Wastewater Treatment, Sponsored by China Medical University and SINOTECH, Taichung and Taipei, Taiwan.

### **INVITED LECTURES**

Ackerson, M. "IsoTherming Technology Overview." E. I DuPont de Nemours and Company, Wilmington, DE, 2006.

Asfahl, C.R. "Does OSHA Compliance Follow Pareto's Law of Management?" Presentation to the River City Safety & Environmental Council, Fort Smith, Arkansas, July 20, 2006.

Asfahl, C.R. "Getting a Grip on OSHA Compliance Using Pareto's Law." Presentation to the 2006 National Safety Conference of the Copper Development Council, Buffalo, New York, October 9-10, 2006.

Burkett, Susan, "Materials Aspects to Consider in the Fabrication of TSVs," Materials Research Society (MRS) International Symposium, Symposium Y (3D Integration), Boston, MA, Nov. 29, 2006.

Burkett, Susan, NSF, "University/Community College Partnerships," Design, Service, and Manufacturing Grantees and Research Conference, St. Louis, MO, July 25, 2006.

Burkett, S., L. Schaper, T. Rowbotham, J. Patel, T. Lam, I. U. Abhulimen, D. D. Boyt, M. Gordon, and L. Cai, "Materials Aspects to Consider in the Fabrication of Through-Silicon Vias," Proc. Materials Research Society (MRS) symposium, Boston, November 2006.

Duan, L., D.J. Carrier, J.W. King and E.C. Clausen "Functional food extracts from milk thistle using pressurized water and organic solvents." Presented at the 97th American Oil Chemists' Society Meeting, St Louis, MO, 2006 (Abstracts p. 7).

Chaubey, I., "Mathematical modeling of watershed processes". Public Policy Symposium. Little Rock, AR. November 17, 2006.

Chaubey, I., "Modeling approaches to evaluate watershed and water quality processes". Upper White River Water Quality Conference. Branson, MO. April 6, 2006.

Clausen, E.C. "Ethanol Production from Biomass by Gasification/Fermentation." University of Arkansas, Department of Chemistry and Biochemistry, Fayetteville, AR, 2006.

Clausen, E.C. "Products and Processing." Bioenergy 101: A Short Course in Bioenergy Options and Opportunities for Arkansas, hosted by the Arkansas Legislature, Little Rock, AR, 2006.

Clausen, E.C. "Bioenergy 101: A Short Course in Bioenergy Options and Opportunities for Arkansas." Advisory Group for the Agricultural Development Council, Little Rock, AR, 2006.

Clausen, E.C. "Bioenergy 101: A Short Course in Bioenergy Options and Opportunities for Arkansas." Congressional Aides Tour, Fayetteville, AR, 2006.

Clausen, E.C. "Liquid Fuels from Biomass in Arkansas: A Look at the Present and a Glimpse into the Future." Transportation Committee of the Arkansas State Legislature, Fayetteville, AR, 2006.

Clausen, E.C. "Bioenergy Production in Arkansas: A Look at the Present and a Glimpse into the Future." West Fork Middle School, West Fork, AR, 2006.

Clausen, E.C. "Liquid Fuels from Biomass in Arkansas: A Look at the Present and a Glimpse into the Future." Mack Blackwell Transportation Center Fall 2006 Advisory Board Meeting, Fayetteville, AR, 2006.

Costello, T. A. 2006. "Alternate Energy for Heating Poultry Building using Broiler Litter as a Fuel", presented to Poultry Energy Workshop, UA Cooperative Extension Service, December 12, 2006, Broiler Energy Farm, Savoy Arkansas.

Costello, T. A. 2006. "Demonstration of Broiler Litter Fired Furnace to Heat a Poultry House" presented to Field Day (Open House) participants, December 14, 2006, Broiler Energy Farm, Savoy, Arkansas.

Cox, B., "New Madrid Seismic Zone", NWA Chapter of ASCE, Fayetteville, Arkansas, November 2006.

Dennis, N.D., "Integrating Service Learning into a Capstone Design Course", ASEE Midwest Section Conference, University of Missouri-Kansas City, Sep 15, 2006.

Dennis, N.D., "You and Your Research, New Faculty Orientation, University of Arkansas, Aug 17<sup>th</sup> 2006.

Dennis, N.D., "Professionalism in the Classroom", Not-so-New Faculty Seminar Series, University of Arkansas, 6 and 7 December 2006.

Dennis, N.D., C. Ooi, V. Wong, Estimating Movement of Shallow Slope Failures Using Time Domain Reflectometry, Proceedings, 3rd International Symposium and Workshop on Time Domain Reflectometry for Innovative Soil Applications, West Lafayette, IN, Sept, 2006.

Di, Jia, "Mitigating Side-Channel Attacks to RFID Hardware, "Identity Solutions Symposium, Feb. 21, 2007.

Edwards, F.G., "Roadblocks to Low Impact Development", presented at the EPA Mid-South Watershed Training Program, September 22, 2006, Fayetteville, AR.

Gattis, J. L. "Access Management and Safety -- a Half Century of Research" and "Street Scenes." 7th National Conference on Access Management, Park City, Utah, August 14, 2006.

Staton, B., Do, N., Ruiz, E., and Hale, W., "Transfer Lengths for Prestressed Concrete Beams Cast with Self Consolidating Concrete Mixtures", PCI National Bridge Conference, October 23-25, 2006, Grapevine, TX.

Do, N., Staton, B., Hale, W., "Development of High Strength Self-Consolidating Mixtures for Use in Prestressed Bridge Girders", PCI National Bridge Conference, October 23-25, 2006, Grapevine, TX.

Tran, N.H., and K.D. Hall, "Evaluations of Testing Protocols for Dynamic Modulus of Hot-Mix Asphalt," Transportation Research Record, No. 1970, TRB, Washington, D.C., 2006.

Tran, N.H., and K.D. Hall, "An Examination of Strain Levels Used in the Dynamic Modulus Testing," Journal of Association of Asphalt Paving Technologists, Vol. 75, 2006.

Hall, Kevin D., "Internal Angle of Gyration for the Superpave Gyrotory Compactor VI: Judgment Day", FHWA Hot-Mix Asphalt Materials and Construction Expert Task Group, Washington, DC, Sept. 27<sup>th</sup>, 2006.

Hall, Kevin D., "Road Construction Inspection and Materials Testing: A Necessity for Quality", China Road Sustainable Development Congress, Shanghai, China, Nov. 28<sup>th</sup>, 2006.

Hall, Kevin D., "Internal Angle of Gyration for the Superpave Gyrotory Compactor", Annual Meeting of the Southeastern Asphalt User-Producer Group, Wilmington, NC, Nov. 16<sup>th</sup>, 2006.

Hall, Kevin D., "Rubblization: An Arkansas Perspective", Annual Meeting of the Southeastern Asphalt User-Producer Group, Wilmington, NC, Nov. 16<sup>th</sup>, 2006.

Hall, Kevin D., "A Vision and Direction for Civil Engineering: Building on a Legacy of Excellence", Arkansas Academy of Civil Engineers, Fayetteville, Arkansas, April 8<sup>th</sup>, 2006.

Hall, Kevin D., "A Vision and Direction for Civil Engineering: Building on a Legacy of Excellence", Arkansas House and Senate Transportation Committee, Fayetteville, Arkansas, Sept. 23<sup>rd</sup>, 2006.

Hall, Kevin D., "Asphalt Issues: Asphalt Rubber", Annual Meeting of the Arkansas Public Works Association, Fayetteville, Arkansas, Oct. 19<sup>th</sup>, 2006.

Hall, Kevin D., "Asphalt Issues: Stamped Asphalt", Annual Meeting of the Arkansas Public Works Association, Fayetteville, Arkansas, Oct. 19<sup>th</sup>, 2006.

Hall, Kevin D., "Civil Engineering Update", Annual Meeting of the Professional Advisory Board of the Mack-Blackwell Transportation Center, Fayetteville, Arkansas, Nov. 3<sup>rd</sup>, 2006.

Hall, Kevin D., "TRC-0504: Development of an Implementation Plan for Mix Design and QA/QC for the Superpave Gyratory Compactor", Fall Meeting of the Arkansas State Highway and Transportation Department Transportation Research Committee, Nov. 17<sup>th</sup>, 2006.

Hall, Kevin D., "TRC-0602: Development of a Master Plan for Calibration and Implementation of the M-E Design Guide", Fall Meeting of the Arkansas State Highway and Transportation Department Transportation Research Committee, Nov. 17<sup>th</sup>, 2006.

Hall, Kevin D., "A Reduced Testing Procedure for Determining the Dynamic Modulus of Hot-Mix Asphalt", 10<sup>th</sup> International Conference on Asphalt Pavements, International Society for Asphalt Pavements, Quebec, Canada, August 14<sup>th</sup>, 2006.

Hall, Kevin D., "An Evaluation of the Rapid Angle Measurement (RAM) Device for Calibration of the Superpave Gyratory Compactor Internal Angle", 10<sup>th</sup> International Conference on Asphalt Pavements, International Society for Asphalt Pavements, Quebec, Canada, August 15<sup>th</sup>, 2006.

Hall, Kevin D., "Establishment of the Precision of the Dynamic Angle Validation (DAV) Kit with Hot-Mix Simulator (HMS) for Superpave Gyratory Compactors", 10<sup>th</sup> International Conference on Asphalt Pavements, International Society for Asphalt Pavements, Quebec, Canada, August 15<sup>th</sup>, 2006.

Heymsfield, E., R.E. Wahl & W.D. Hodo, "Development of a Damage Model for Stabilized Soil Layers Subjected to Repetitive Aircraft Loadings," 2006 Airfield and Highway Pavement Specialty Conference, ASCE, Atlanta, GA.

Johnson, S. "Human Factors in Trucking Operations." Mack-Blackwell National Rural Transportation Study Center Professional and Academic Advisory Board Meeting, Fayetteville, AR, October 2006.

Jung, S., T. Ji and V. K. Varadan, "A Novel Strain Sensor Using Organic Semiconductor Films On Polymeric Substrates", International Conference on Smart Materials, Devices and Systems, Australia, December 14, 2006 (invited paper presentation).

Kavdia, M and Chávez MD, "Superoxide dismutase impact on nitric oxide levels in the microcirculation- a mathematical model." Experimental Biology (FASEB), San Francisco, CA. April 1-5, 2006.

Kavdia, M., Computational Model of Tyrosine Nitration Resulting from Oxidative Stress and Nitric Oxide Interaction in the Microcirculation. Experimental Biology (FASEB), San Francisco, CA. April 1-5, 2006.

Kavdia, M., N. Bhise, and P. Deonikar, "Quantitative analysis of nitric oxide interaction with free hemoglobin and red blood cell hemoglobin." Experimental Biology (FASEB), San Francisco, CA. April 1-5, 2006.

Kavdia, M, Marwali, Mohandas, C.P. Hu, Jaiwei Chen, Ian Cawich, Prabhakar Deonikar, Sawamura, Mehta. "Reduction of platelet lox-1 expression by aspirin and pravastatin; mechanism relating to nitric oxide, oxidative stress and chemokine rantes." American Heart Association society conference, Dallas July 2006.

Kavdia M., "Modeling of Oxidative Stress and Nitric Oxide Interactions Leading to Tyrosine Nitration Formation." Biomedical Engineering Society (BMES) Annual Fall Meeting, Chicago, IL, October, 2006.

Kavdia, M and Potdar S. S. "Effect of SOD and vitamin-E on high glucose related endothelial cell dysfunction" Biomedical Engineering Society (BMES) Annual Fall Meeting, Chicago, IL, October, 2006.

Kavdia, M., MD Chávez, S. S. Potdar, and W. Richardson, "In silico and in vitro models of NO, ROS and RNS biotransport: towards understanding of endothelial cell dysfunction." Arkansas Biosciences Institute Research Symposium, Little Rock, Arkansas, Oct 26, 2006.

King, J.W. "Green processing options using critical fluid technology in the design of bio-renewable products – Environmental benefits and sustainability –I & II." Renewable Biomaterials Intensive Program, Ghent University, Gent, Belgium, 2006.

King, J.W., K. Srinivas, K, J.M. del Valle and J.C. de la Funete "Design optimization for the use of sub-critical fluids in biomass transformation, bio-fuel production, and bio-refinery utilization – I." Proceedings of the 8th International Symposium on Supercritical Fluids (ISSF 2006), Kyoto, Japan, 2006. Proceedings No. OC-2-17, pp. 1-8 (CD Proceedings).

King, J.W., D.J. Carrier and E.C. Clausen "Bioactive extracts for food use using pressurized fluid technology." AOCS World Conference on Oilseed and Vegetable Oil Utilization, Istanbul, Turkey, 2006.

King, J.W. "Esterification: chemistry and processing." Practical Shortcourse on Biodiesel: Market Trends, Chemistry, and Production Biodiesel Shortcourse, AOCS World Conference on Oilseed and Vegetable Oil Utilization, Istanbul, Turkey, 2006.

King, J.W. "Subcritical water – a versatile medium for multiple unit operations." Department of Chemical Engineering, Osaka Prefecture University, Osaka, Japan, 2006.

King, J.W. "Greening biomass and biorefinery conversion processes using critical fluids." Department of Chemical Engineering, University of Birmingham, Birmingham, England, 2006.

King, J.W. "Supply Chain – Sustainability and green technology – what's the connection." SCMRC Conference, Sam Walton College of Business, Fayetteville, AR, 2006.

King, J.W. "Lipase-initiated reactions in the presence of supercritical fluids: a synergistic effort between process and analytical chemistry." Department of Chemistry, University of Arkansas, Fayetteville, AR, 2006.

King, J.W. "Development and commercialization of critical fluid technology for the extraction of cedarwood oil." Aromatic Cedar Association, Oklahoma State University, OK, 2006.

Taylor, C.R., A.P. Malshe, and G. Salamo, "Patterning for Selection Deposition of Quantum Structures using Mechanical Imprinting of III-V Compounds and New Meaning of Metrology at Nanoscale," Workshop on Nanotechnology for Microelectronics Packaging, Organized by International Microelectronics and Packaging Society (IMAPS), Las Vegas, NV, December, 2006.

Malshe, A.P., "Nanomanufacturing of Integrated Systems: Research, Education and Entrepreneurship," Department of Industrial Engineering, University of Nebraska, Lincoln, NE, October, 2006.

Virwani, K., and A.P. Malshe, "Electric Pen Lithography (EPL), A Novel Electric Field Assisted Patterning for Sub 20 Nanometer Scale Structures," Workshop on Nanotechnology for Microelectronics Packaging, Organized by International Microelectronics and Packaging Society (IMAPS), Las Vegas, NV, December, 2006.

Matlock, M. 2006. "Conducted a Nutrient Criteria National Watershed Management Workshop", Fayetteville, AR, April 2006, in conjunction with the AWRC Annual Meeting.

Matlock, M., Chair, AWRA Session – Decision Support Systems. AWRA Specialty Conference, Montana, 2006.

Matlock, M., Keynote Speaker, Low Impact Development Workshop, WRI, Fayetteville, AR August 2006

Matlock, M., Invited Keynote Speaker, Arkansas Institute of Architecture Annual Meeting, Hot Springs, AR, November 2006.

Matlock, M., Board Member, Northwest Arkansas Museum of Science and Nature science advisory board, 2006-present.

Gue, K.R., and R.D. Meller. "The Aisle Design Problem for Unit-Load Warehouses." INFORMS Annual Meeting, Pittsburgh, PA, November 2006.

Meller, R.D. "CELDi State of Center Address." CELDi Fall Meeting, Dallas, TX, October 2006.

Meller, R.D. "CELDi Collaborative Research." CELDi Fall IAB Meeting, Dallas, TX, October 2006.

Meller, R.D., and P.J. Parikh. "Is Taller Always Better? Configuring an Order-Picking Area." INFORMS Annual Meeting, Pittsburgh, PA, November 2006.

Nachtmann, H. "Ancillary Benefits of the Ouachita River." MBTC Professional and Academic Advisory Board, Fayetteville, AR, November 2006.

Nachtmann, H. "Ancillary Benefits of the Ouachita River." Arkansas Governor's Conference on Waterborne Transportation, Fayetteville, AR, October 2006.

Nam, C.S. "Toward Integrating Haptic Experiences into Virtual Environments: Does Touch Matter?" SungKyunKwan University, Suwon, Korea, June 5, 2007.

Nam, C.S. "Advancing Human-Centered Technology: The Roles of Human Factors." Dong-A University, Busan, Korea, May 30, 2007.

Nam, C.S. "State-of-the-art of Human-Computer Interaction (HCI) Research in the United States." Chungju National University, Chungju, Korea, May 23, 2007.

Nam, C.S. "Cognitive and Technological Aspects of Crew Team Coordination and Collaboration: Human Factors Implications for Maritime Systems." Korea Ocean Research and Development Institute (KORDI), Taejeon, Korea, May 22, 2007.

Nam, C.S. "Model-Based Risk Map for Roadway Traffic Crashes." 84<sup>th</sup> Meeting of the Transportation Research Committee (TRC), Fayetteville, AR, May 16-17, 2007.

Naseem, Hameed A., Husam H. Abu-Safe, Marwan Barghouti, Maruf Hussain, Khalil Sharif, Ram Kishore, Adnan Al-Shariah, and William D. Brown, "Large Grain Polycrystalline and Epitaxial Silicon Films Formed At Low Temperature Using Metal Induced Crystallization Of Hydrogenated Amorphous Silicon", Proc. Global Conference on Renewable Energy Approaches for Desert Regions [GCREADER], Le Royal Hotel, Amman, Jordan, 18-22 September 2006. (Keynote Address).

Rencis, J.J., and M. Hosni, Co-Presenter, "ABET Challenges," ASME Department Heads Meeting, University of Arkansas, Fayetteville, AR, October 6-7, 2006.

Saxena, A., "Future Tools for Predicting Reliability of High Temperature Components," EPRI International Conference Remaining Life Assessment, Louisville, KY, October 2006.

Saxena, A., "Creep-Fatigue Crack Growth Models," EPRI International Workshop of Experts, Amsterdam, July 2006.

Saxena, A., "Test Methods for Creep and Creep-Fatigue Crack Growth Models," EPRI International Workshop of Experts, Amsterdam, July 2006.

Saxena, A., "Accreditation Requirements in Engineering," Jaypee Institute for Information Technology, Noida, India, July 2006.

Saxena, A., "Use of Molecular Dynamics to Design Stable Nanostructured Metals," Seminar presented at Penn State University, State College, PA, November 16, 2006.

Saxena, A., "Use of Molecular Dynamics to Design Stable Nanostructured Metals," Seminar presented at Mississippi State University, November 21, 2006.

Saxena, A., "Use of Molecular Dynamics to Design Stable Nanostructured Metals," Seminar presented at Politecnico di Turino, November 30, 2006.

Saxena, A., "Future Engineering Education in a Globalized Economy," Lecture at the Symposium for celebrating 100 years of Engineering in Politecnico di Turino, December 1, 2006.

Balda, J.C., F.D. Barlow, R.P. Selvam and A. Elshabini (2006), Spray-Cooled SiC power modules for high temperature and high voltage operation, ONR Thermal Management Review, Berkeley, CA, Sep. 18-20.

Selvam, R.P., M. Sarkar, and R.Ponnappan (2006), Effect of Thermal Conductivity and Latent Heat of Vaporization of Liquid on Heat Transfer in spray Cooling, SAE Power Systems Conference, New Orleans, Louisiana, November 7-9.

Selvam, R.P., Multiphase flow 3D modeling of spray cooling: Effect of Liquid droplet impact on heat transfer, ONR Thermal Management Review, Berkeley, CA, Sep. 18-20 (only by invitation).

Selvam, R.P., M. Hamilton and E. Silk, Spray cooling modeling: Droplet impact and vapor growth effects on heat transfer in micro & macro gravity, TFAWS 2006: 17<sup>th</sup> Annual Thermal & Fluids Analysis Workshop, Baltimore, MD, Aug. 7-11, 2006.

Soerens, T.S., "Ground Water Wells and Rainwater Collection Systems as Clean Water Solutions for Indigenous Villages in the Amazon", National Ground Water Association 2006 Ground Water Summit, April 22-27, 2006, San Antonio, TX.

Soerens, T.S., "Appropriate Water and Sanitation Systems in the Maldives Islands – Ground Water Protection Issues in Septic Tank Siting and Design", National Ground Water Association 2006 Ground Water Summit, April 22-27, 2006, San Antonio, TX.

Spearot, D.E., M.A. Tschopp, and D.L. McDowell, "Grain Boundary Structure and Dislocation / Disclination Mechanics in Plasticity of FCC Metals," Keynote Lecture: Plasticity 2006, Halifax, Nova Scotia, July 17-22, 2006.

Springer, W.T., "Integrating Engineering Education and NDE Engineering," ASME Pressure Vessel and Piping Conference, Vancouver, B.C., Canada, July 2006.

Thompson, Craig, Panel on RFID Infrastructure, IEEE Workshop on Local and Metropolitan Area Networks (LANMAN2007), June 10-13, 2007. <http://www.ieee-lanman.org/>.

Varadan, V. K., “The Role of Nanotechnology and Wireless Sensors in Medicine”, International Conference on Multifunctional Nano Composites, Honolulu, Hawaii, September 2006 (plenary talk).

Varadan, V. K., “The Role of Nanotechnology and Engineering in Monitoring and Control of Cardiovascular and Neurological Disorders”, International Conference on Smart Materials, Nano-and Micro Smart Systems, Adelaide, Australia, December 2006 (plenary talk).

Varadan, V. K., “BioMEMS and Wireless Devices for Control and Monitoring of Neurological Disorders”, Nizam Institute of Medical Sciences, Hyderabad, India, October 2006 (plenary talk).

Williams, Stacy G., “Non-Nuclear Methods for Hot Mix Asphalt Density Measurements,” MBTC 2075, TRC Meeting, Little Rock, Arkansas, November 2006.

Zhang, S., R. Khare, S.L. Mielke, G.C. Schatz, and T. Belytschko, “Briding Length Scales via Domain Decomposition,” MRS Fall Meeting, Boston, MA, November 2006.

Zhang, S., S.S. Terdalkar, and J.J. Rencis, “Controlling the Curvature Formation of Free-Standing Thin Films via Ion-beam Deposition,” ASME Winter Meeting, Chicago, IL, November 2006.

Zhang, S., and T. Belytschko, “An Atomic View of Lattice Fracture: Energetics and Kinetics,” ASME Winter Meeting, Chicago, IL, November 2006.

Zhang, S., R. Khare, S.L. Mielke, G.C. Schatz, and T. Belytschko, “Multiscale Method Coupling Quantum Mechanical Calculations, Atomistic Simulations and Finite Elements,” ASME Winter Meeting, Chicago, IL, November 2006.

Zhang, S., R. Khare, S.L. Mielke, G.C. Schatz, and T. Belytschko, “Energetics and Kinetics of Carbon Nanotube Collapse,” ASME Winter Meeting, Chicago, IL, November 2006.

Zhang, S., and T. Zhu, “On the Energetics and Kinetics of Bond Breaking in Brittle Fracture,” The 7<sup>th</sup> World Congress on Computational Mechanics, Los Angeles, CA, July 2006.

Zhang, S., R. Khare, S.L. Mielke, G.C. Schatz, and T. Belytschko, “Transition States and Minimum Energy Pathways of Carbon Nanotube Collapse,” The 7<sup>th</sup> World Congress on Computational Mechanics, Los Angeles, CA, July 2006.

### **OTHER LECTURES, PAPERS AND ORAL PRESENTATIONS**

Ackerson, M. “Gas Oil Hydrotreating Using IsoTherming.” Annual Meeting of NPRA, Salt Lake City, UT, 2006.

Apon, A., B. Lu, L. Ngo, H. Bui, N. Hamm, L. Dowdy, D. Hoffman, D. Brewer, “Project Presentation on Enhanced Grid Modeling,” presentation at the ALAR Conference on Applied Research in Computer Science, March 9, 2007, Fayetteville, Arkansas.

Baker, Matt and Amy Apon, "Methods for Maintaining Local Cluster Resources on the Open Science Grid," ALAR Conference on Applied Research in Computer Science, March 9, 2007, Fayetteville, Arkansas.

Ngo, Linh and Amy Apon, "Using Shibboleth for Authorization and Authentication to the Subversion Version Control System, ALAR Conference on Applied Research in Computer Science, March 9, 2007, Fayetteville, Arkansas.

Asfahl, C.R. Attended National Safety Council Conference & Exposition, San Diego, California, November 6-8, 2006. Appeared to exhibit and promote copies of 2006 published book, OSHA Standards Digest and Industrial Safety and Health Management, 5th Edition.

Bajwa, S. G., and M. Mozaffari. 2006. "Response of cotton canopy reflectance to nitrogen fertilization." In. N. A. Slaton (Ed.) Wayne E. Sabbe Arkansas Soil Fertility Studies 2005, p.18-21, Research Series 525, Arkansas Agricultural Experiment Station, Division of Agriculture, Fayetteville, AR.

Bajwa, S. G., and M. Mozaffari. 2006. "Correlating vegetative indices with nitrogen treatments in Cotton." In. D. Oosterhuis (Ed.) Summaries of Arkansas Cotton Research 2005, p.164-170, Arkansas Agricultural Experiment Station, Division of Agriculture, Fayetteville, AR.

Bajwa, S.G. and Singh, N. 2006. "Analysis of evolving surface urban heat island in NW Arkansas." IEEE Region 5 Technical Meeting, April 20-22, 2007, Fayetteville, AR.

Bajwa, S.G. and Leh, M. 2006. "Long term land use patterns in NW Arkansas." IEEE Region 5 Technical Meeting, April 20-22, 2007, Fayetteville, AR.

Bajwa, S. G., and J. Rupe. 2006. "Soybean disease discrimination with canopy reflectance." ASABE annual international meeting and conference, July 17-21, Minnesota, MN.

Bajwa, S. G., A. S. Anthony, and D. S. Bajwa. 2006. "Effect of accelerated aging on the physical and mechanical properties of wood-polymer composites." In. Proc. Woodfiber-Plastic Composite 2007 International Conference, May 21-23, 2007. Toronto, ON, Canada.

Bajwa, S. G., and D. Gardisser. 2006. "GIS/GPS spatial technology utilization in agricultural aviation." A professional development course presented at the National Agricultural Aviation Association Annual Meeting, Dec. 3-6, 2006, Orlando, FL.

Bajwa, S. G., and M. Mozaffari. 2006. "Effect of petiole nutrients in cotton on vegetative indices." ASABE Paper No. 061170. St. Joseph, MI: ASABE.

Bajwa, S. G., and E.D. Vories. 2006. "Spectral response of cotton canopy to water stress." ASABE Paper No. 061064. St. Joseph, MI: ASABE.

- Bajwa, S.G. and Kulkarni, S. 2006. "Identifying soil compaction in cotton using vegetation index." In. Proc. Eighth International Precision Agriculture Conference, July 23-26, Minneapolis, MN.
- Bajwa, S.G., Mutlu Buyuran, E. O., I. Chaubey, and H. Hexmoor. 2006. "Comparison of artificial neural network models for hydrologic prediction in agricultural watersheds." Arkansas Water Resources Commission's Annual Meeting. April 18, 2006. Fayetteville, AR.
- Bajwa, S.G. and Vibhava, V. 2006. "Spatially distributed hydrological modeling with GIS and artificial neural networks." ASPRS Central Region's Spring Technical Meeting. April. 20, 2006. Fayetteville, AR.
- Bajwa, S. G., and K. Kulkarni. 2006. "Soil Compaction Monitoring and Modeling with VERIS and Crop Response." Report Submitted to Cotton Foundation.
- Bajwa, S. G. 2006. "Pesticide pollution risk assessment and mitigation training in Arkansas Delta." Report submitted to EPA Region 6.
- Bajwa, S.G. and Singh, N. 2007. "Analysis of evolving surface urban heat island in NW Arkansas." IEEE Region 5 Technical Meeting, April 20-22, 2007, Fayetteville, AR.
- Bajwa, S. G. and Leh, M. 2007. "Long term land use patterns in NW Arkansas." IEEE Region 5 Technical Meeting, April 20-22, 2007, Fayetteville, AR.
- Bajwa, S. G., and J. Rupe. 2007. "Soybean disease discrimination with canopy reflectance." ASABE annual international meeting and conference, July 17-21, Minnesota, MN.
- Bajwa, S. G., and H. Gadiraju. 2007. "Laboratory evaluation of clinoptilolite for ammonia emission mitigation from broiler houses." International Symposium on Air Quality and Waste Management for Agriculture. Sept. 15-19, Broomfield, CO.
- Bajwa, S. G., A. S. Anthony, and D. S. Bajwa. 2007. "Effect of accelerated aging on the physical and mechanical properties of wood-polymer composites." In. Proc. Woodfiber-Plastic Composite 2007 International Conference, May 21-23, 2007. Toronto, ON, Canada.
- Bajwa, S. G., and D. Gardisser. 2006. "GIS/GPS spatial technology utilization in agricultural aviation." A professional development course presented at the National Agricultural Aviation Association Annual Meeting, Dec. 3-6, 2006, Orlando, FL.
- Bajwa, S. G., and M. Mozaffari. 2006. "Effect of petiole nutrients in cotton on vegetative indices." ASABE Paper No. 061170. St. Joseph, MI: ASABE.
- Bajwa, S. G., and E.D. Vories. 2006. "Spectral response of cotton canopy to water stress." ASABE Paper No. 061064. St. Joseph, MI: ASABE.

Bajwa, S. G. and Kulkarni, S. and. 2006. "Identifying soil compaction in cotton using vegetation index." In. Proc. Eighth International Precision Agriculture Conference, July 23-26, Minneapolis, MN.

Bajwa, S. G. , Mutlu Buyuran, E. O., I. Chaubey, and H. Hexmoor. 2006. "Comparison of artificial neural network models for hydrologic prediction in agricultural watersheds." Arkansas Water Resources Commission's Annual Meeting. April 18, 2006. Fayetteville, AR.

Bajwa, S. G. , and Vibhava, V. 2006. "Spatially distributed hydrological modeling with GIS and artificial neural networks." ASPRS Central Region's Spring Technical Meeting. April. 20, 2006. Fayetteville, AR.

Beavers, G., "All Pairs Optimum Path Algorithms for an Average Path Value", Thirty-Eighth Southeastern International Conference on Combinatorics, Graph Theory, and Computing, Florida Atlantic University, Boca Raton, FL, 6 – 10 March 2007.

Romey, Noel, Robert R. Beitle, H. Michael Cheung, Peter Miao "Tactile/Audible Representations as Aides to Students with Limited Vision." American Institute Chemical Engineers Annual Meeting, 2006.

Beitle, Robert R., Rajaramesh Varakala, Ryan Haley, Ralph Henry, Mohammad Atai "A Rational Method to Improve Bioseparation Via Proteomics." American Institute Chemical Engineers Annual Meeting, 2006.

Varakala, Rajaramesh, Ryan Haley, Richard Koepsel, Mohammad M Atai, and Robert R. Beitle "BIOT 135 Development of a general process for minimization of genomic contaminants: Chromatographic and metabolic considerations for immobilized metal affinity chromatography." American Chemical Society National Meeting, 2006.

Carrier, D.J., S. Wallace, K. Vaughn, E. Clausen and S. Nagarajan "Pros and Cons of Using Subcritical Water for Extraction of Medicinal Plants." 3rd Annual Natural Health Product Research Conference and Trade Show, Toronto, Ontario, Canada, 2006.

Carrier, D.J., S. Wallace, K. Vaughn, E. Clausen and S. Nagarajan "Milk Thistle Inhibits Chemically and Cell Mediated Oxidation of Low Density Lipoprotein." 3rd Annual Natural Health Product Research Conference and Trade Show, Toronto, Ontario, Canada, 2006.

Duan, L., S.N. Wallace, D.J. Carrier, J.W. King and E.C. Clausen "Functional Food Extracts from Milk Thistle using Pressurized Water and Organic Solvents." 97th American Oil Chemists Society Annual Meeting and Expo, St. Louis, MO, 2006.

Wallace, S.N., D.J. Carrier, K.S. Vaughn, S. Nagarajan and E. C. Clausen "Flavonolignans from Milk Thistle Inhibit Generation of Oxidized LDL Resulting in Reduced Scavenger Receptor and fcgamma Receptor-Dependent Monocyte Adhesion." Institute of Food Technologists Annual Meeting and Food Expo, Orlando, FL, 2006.

Wallace S., K.L. Vaughn, D.J. Carrier, E.C. Clausen and J.W. King “Application of bioassays for evaluating critical fluid extracts.” Proceedings of the 8th International Symposium on Supercritical Fluids (ISSF 2006), Kyoto, Japan, 2006. Proceedings No. PB-1- 40, pp. 1-4 (CD Proceedings).

Vaughn, K.L., D.J. Carrier, J.W. King, S. Nagarajan, C. McCain, S.N. Wallace and E.C. Clausen “The effect of energy crop Albizia julibrissin flavones on LDL oxidation.” Institute of Food Technologists, Tampa, FL, 2006.

Carrier, D.J., S. Wallace, K.L. Vaughn, E.C. Clausen, J.W. King and S. Nagarajan “Pros and cons of using subcritical water for the extraction of medicinal plants.” 3rd Annual Natural Health Product Research Conference, Toronto, Canada, 2006.

Carrier, D.J., S. Wallace, K.L. Vaughn, E.C. Clausen and J.W. King “Extraction of phytochemicals coupled to energy production.” American Society of Pharmacognosy, Washington, D.C., 2006.

Vaughn, K.S., S.N. Wallace, C. McClain, D.J. Carrier and E.C. Clausen “The Effect of Albizia julibrissin Flavones on LDL Oxidation.” Institute of Food Technologists Annual Meeting and Food Expo, Orlando, FL, 2006.

Wallace, S.N., K.S. Vaughn, D.J. Carrier, E.C. Clausen and J.W. King “Application of Bioassay Tests for Evaluating Critical Fluid Extracts.” 8th International Symposium on Supercritical Fluids, Kyoto, Japan, 2006.

Carrier, D.J. and E.C. Clausen “Extraction of Phytochemicals, Coupled to Energy Conversion.” 47th Annual Meeting of the American Society of Pharmacognosy, Arlington, VA, 2006.

Carrier D. J. ,Wallace S., K. Vaughn, E. Clausen and J. King (2006) “Application of Bioassays for Evaluating Critical Fluid Extracts”, ISSF2006, Kyoto Japan.

Carrier D. J., S. Wallace, K. Vaughn, E. Clausen and J. King “Pros and cons of using subcritical water for extraction of medicinal plants.” Natural Health Product Research Society of Canada, Toronto, Canada March 2006.

Carrier D. J., S. Wallace, K. Vaughn, E. Clausen and J. King (2006) “Extraction of phytochemicals coupled to energy production.” American Society of Pharmacognosy, Washington DC August 2006.

Carrier D. J. , King J. and E. Clausen, “Bioactive extracts for food use using pressurized fluid technology.” In the session: Nutraceuticals and Bioactives in Edible Oils and their Processing Co-Products, American Oil Chemists Society (AOCS) World Conference and Exhibition on Oilseed and Vegetable Oil Utilization. Istanbul, Turkey. August 2006.

Chaubey, I., Sudheer, K.P., and V. Garg. 2006. "Lake water quality assessment from Landsat TM data using neural network: An approach to optimal band combination selection." *Journal of the American Water Resources Association* 42(6):1683-1695.

Chaubey, I., Yuan, Y., and R.L. Bingner. 2006. "Phosphorus modeling in the Annualized Agricultural Nonpoint Source Pollution (AnnAGNPS) Model." In *Modeling Phosphorus in the Environment*, D.E. Radcliffe, and M.L. Cabrera (ed.). CRC Press, Boca Raton, FL. Pp. 215-240.

Chaubey, I., K.L. White, C.H. Green, J.G. Arnold, and R. Srinivasan. 2006. "Phosphorus Modeling in Soil and Water Assessment Tool Model." In *Modeling Phosphorus in the Environment*, D.E. Radcliffe, and M.L. Cabrera (ed.). CRC Press, Boca Raton, FL. Pp. 163-188.

Chaubey, I. and G.M. Ward. 2006. "Hydrologic budget analysis of a small natural wetland in southeastern USA." *Journal of Environmental Informatics* 8(1):10-21.

Chaubey I., Shirmohammadi, A., R.D. Harmel, D.D. Bosch, R. Munoz-Carpena, C. Dharmasri, A. Sexton, M. Arabi, M.L. Wolfe, J. Frankenberger, C. Graff, and T.M. Sohrabi. 2006. "Uncertainty in TMDL models." *Transactions of the ASABE* 49(4):1033-1049.

Chaubey, I. Ekka, S.A., Haggard, B. E., and M.D. Matlock. 2006. "Dissolved phosphorus concentrations and sediment interactions in effluent dominated Ozark streams." *Ecological Engineering* 26:375-391.

Chaubey, I., DeLaune, P.B., Haggard, B. E., T.C. Daniel, and M.J. Cochran. 2006. "The Eucha/Spavinaw Phosphorus Index: A court mandated index for litter management." *Journal of Soil and Water Conservation* 61(2):96-105.

Chaubey, I., B.K. Schaffer, E. Vories, P. Tacker, J.H. Popp, and G. Rodriguez. 2007. "A decision support system framework for integrated agricultural watershed management." Annual Conference of the USDA-CSREES. Savannah, GA. January 28-31, 2007.

Chaubey, I., Gitau, M., and J.H. Popp. 2007. "Effectiveness and optimization of BMPs in improving water quality from agriculturally dominated watersheds." Annual Conference of the USDA-CSREES. Savannah, GA. January 28-31, 2007.

Chaubey, I., M.D. Leh, J.V. Brahana, and Haggard, B. E.. 2006. "Where does runoff come from? A monitoring and modeling approach." *Proc. An International Perspective on*

*Environmental and Water Resources*, eds. U.P. Singh, B. Datta, B. Panigrahi, and M. Sharma. New Delhi, India. December 18-20, 2006.

Chaubey, I., Vories, E.D., and P. Tacker. 2006. "On-farm studies of water use and water quality for rice production in the USA." *Proc. An International Perspective on Environmental and Water Resources*, eds. U.P. Singh, B. Datta, B. Panigrahi, and M. Sharma. New Delhi, India. December 18-20, 2006.

- Chaubey, I., M. Gitau, D. Ennannay, M. Nelson, E. Gbur, J. Popp, and J. Pennington. 2006. "Effectiveness and optimization of BMPs in improving water quality impacted by land application of animal manure." Abstract published in the proceedings of the Workshop "Managing Agricultural Landscapes for Environmental Quality: Strengthening the Science Base". Kansas City, MO. October 11-13, 2006. 71 p.
- Chaubey, I., Popp, J., G. Rodriguez, J. Pennington, E. Gbur, M. Steele, and M. Gitau. "From Conflict to Cooperation: Enlisting stakeholders to address water quality disputes in an embattled watershed." Abstract published in the proceedings of the Workshop "Managing Agricultural Landscapes for Environmental Quality: Strengthening the Science Base". Kansas City, MO. October 11-13, 2006. 68 p.
- Chaubey, I., Merriman, K., M. Gitau. 2006. "A tool for estimating best management practice effectiveness in Arkansas." Abstract published in the proceedings of the Workshop "Managing Agricultural Landscapes for Environmental Quality: Strengthening the Science Base". Kansas City, MO. October 11-13, 2006. 97 p.
- Chaubey, I., and Gitau, M. 2006. "Regionalization of SWAT model parameters in Arkansas Priority Watersheds." Abstract published in the proceedings of the Workshop "Managing Agricultural Landscapes for Environmental Quality: Strengthening the Science Base". Kansas City, MO. October 11-13, 2006. 29 p.
- Chaubey, I., P. Tacker, E. Vories, and B.K. Schaffer. 2006. "Development of a decision support system for integrated water quality management in Arkansas Delta." World Congress of Computers and Electronics in Agriculture. Orlando, FL.
- Chaubey, I., Lakshmi, G., and K.P. Sudheer. 2006. "Autocalibration of complex watershed models using simulation optimization framework." ASABE Paper No. 06-2141. 2006 Annual International Conference of the ASABE. Portland, OR.
- Chaubey, I., M. Leh, V. Brahana, and Haggard, B. E.. 2006. "Quantification of spatial distribution of runoff source areas in an agricultural watershed." ASABE Paper No. 06-2126. 2006 Annual International Conference of the ASABE. Portland, OR.
- Chaubey, I., Shirmohammadi, A., R.D. Harmel, D.D. Bosch, R. Munoz-Carpena, C. Dharmasri, A. Sexton, M. Arabi, M.L. Wolfe, J. Frankenberger, C. Graff, and T.M. Sohrabi. 2006. "Uncertainty in TMDL models." ASABE Paper No. 06-XXXX. 2006 Annual International Conference of the ASABE. Portland, OR.
- Chaubey, I., E. Gbur, B. Kurz, M. Nelson, J. Popp, M. Steele, and K. Teague. 2006. "Effectiveness and optimization of BMPs in improving water quality from an agriculturally dominated watershed." USDA-CSREES National Water Quality Conference. San Antonio, TX.
- Chaubey, I., E. Vories, and P. Tacker. 2006. "Integrated BMP assessment for improving water quality in a rice/soybean dominated watershed in the Arkansas Delta." USDA-CSREES National Water Quality Conference. San Antonio, TX.

Chimka, J.R., and H. Nachtmann. “Statistical Process Control for Syndromic Surveillance.” Informs-Military Applications Society, Mystic, CT, July 2006.

Chimka, J.R. “Improved Outbreak Detection for Bio-Terror Response Logistics.” MITRE, O’Fallon, IL August 2006.

Chimka, J.R., and H. Nachtmann. “Operational Readiness as a Function of Maintenance Personnel Skill Level.” INFORMS (Military Applications Society), Pittsburgh, PA, November 2006.

Chimka, J.R., and J. Zhou. “Statistical Process Control for Syndromic Surveillance.” INFORMS (Health Applications, and QSR Sections), Pittsburgh, PA, November 2006.

Gade, D., and E.A. Pohl. “Reliable Supply Chain Design Considering Failures.” INFORMS 2006, Pittsburgh, PA, November 2006.

Clausen, E.C. “Ethanol as a Source of Liquid Fuel.” The Supply Chain Management Research Center at the University of Arkansas & the Council of Supply Chain Management Professionals (CSCMP) Ozark Roundtable “What Does the Future Hold for Your Supply Chain?” Fayetteville, AR, 2006.

Clausen, E.C. and W.R. Penney “Laboratory Demonstrations/Experiments in Free and Forced Convection Heat Transfer.” 2006 American Society for Engineering Education Annual Conference and Exposition, Chicago, IL, 2006.

Clausen, E.C. “Advice from the Experts: Promotion & Tenure.” 2006 American Society for Engineering Education Annual Conference and Exposition, Chicago, IL, 2006.

Clausen, E.C. “Bioenergy 101: A Short Course in Bioenergy Options and Opportunities for Arkansas.” Advisory Group for the Agricultural Development Council, Little Rock, AR, 2006.

Clausen, E.C. “Products and Processing.” Bioenergy 101: A Short Course in Bioenergy Options and Opportunities for Arkansas, Energy and Value-added Products from Biomass—A Workshop for the People of Arkansas, Little Rock, AR, 2006.

Clausen, E.C. “An Overview of Processing Options and Considerations.” Energy and Value-added Products from Biomass—A Workshop for the People of Arkansas, Little Rock, AR, 2006.

Clausen, E.C. “Liquid Fuels from Biomass in Arkansas: A Look at the Present and a Glimpse into the Future.” Arkansas Environmental Federation 39th Annual Convention and Trade Show, Hot Springs, AR, 2006.

Clausen, E.C., R.E. Babcock, B. Mattingly and M.E. Popp “Biodiesel Production from Varying Grades of Beef Tallow and Chicken Fat.” Final Report, 2006.

Clausen, E.C., J.W. King and D.J. Carrier “Energy and Value-Added Products from Biomass—A SERBEP-Sponsored Workshop for the People of Arkansas.” Quarterly Report: July 2006.

Clausen, E.C., J.W. King and D.J. Carrier “Energy and Value-Added Products from Biomass—A SERBEP-Sponsored Workshop for the People of Arkansas.” Quarterly Report: October 2006.

Clausen, E.C., J.W. King and D.J. Carrier “Energy and Value-Added Products from Biomass—A SERBEP-Sponsored Workshop for the People of Arkansas.” Quarterly Report: December 2006.

Clausen, E.C., J.W. King and D.J. Carrier “Energy and Value-Added Products from Biomass—A SERBEP-Sponsored Workshop for the People of Arkansas.” Final Report: December 2006.

Clendenin, J. PhD, S. Tung, and J. W. Kim. 2007. “An Aligned Carbon Nanotube Biosensor for DNA Detection.” IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Bangkok, Thailand.

Costello, T. A. and L. A. Roe. 2006. “On-farm demonstration of litter combustion.” Quarterly Reports, Annual Report, Final Report, submitted to Arkansas Natural Resources Commission, Project No. 03-800.

Di, J. and J. S. Yuan, "Energy-aware Dual-Rail Bit-Wise Completion Pipelined Arithmetic Circuits Design," *Journal of Low Power Electronics*, Vol. 2, NO. 2, pp. 201-216, Aug. 2006.

Di, J., J. S. Yuan, and R. Demara, "Improving Power-awareness of Pipelined Array Multipliers using 2-Dimensional Pipeline Gating and its Application on FIR Design," *Integration, the VLSI Journal*, Volume 39, Issue 2, July 2006, pp. 90-112.

Di, J. and P. K. Lala, "Cellular Array-based Delay-Insensitive Asynchronous Circuits Design and Test for Nanocomputing Systems," *Journal of Electronic Testing: Theory and Application*, Vol. 23, NO 2-3, pp. 175-192, June 2007.

El-Shenawee, Magda, “Breast Cancer Research at the University of Arkansas-Fayetteville Microwave Technique for the Early Detection of Breast Cancer,” The Scientific and Industrial Committees of the Arkansas Biosciences Institute Conference (ABI), Little Rock, October 28, 2006.

Gade, D., and E.A. Pohl. “Reliable Supply Chain Design Considering Failures.” INFORMS Military Application Society Conference on Homeland Security, Mystic, CT, July 2006.

Garrison, T.F. MS, J. W. Kim, and R. Deaton. 2006. “Self-Assembly of Microscopic DNA Wire Through One-Dimensional DNA Percolation.” Institute of Biological Engineering (IBE) Annual Meeting, Tucson, AZ.

Haggard, B.E., Daniels, M. B., and A.N. Sharpley. 2006. “Arkansas Watersheds”, UA Division of Agriculture Cooperative Extension Service FSAXXXX.

Haggard, B., and J. Giovanetti. 2006. "Watershed Investigative Support to the Beaver Water District: Total Organic Carbon Concentrations in Streams Draining the Beaver Lake Basin," Beaver Water District, Lowell, Arkansas.

Haggard, B. E., Giovanetti, J., R. Morgan, and M.D. Matlock. 2006. "Organic carbon and nutrient sources related to land use in the Beaver Reservoir Watershed," Northwest Arkansas. Annual Meeting American Water Resources Association, Baltimore, Maryland.

Haggard, B. E., Giovanetti, J., R. Morgan, and M.D. Matlock. 2006. "Total organic carbon concentrations related to land use in the Beaver Lake Basin." Annual Meeting American Ecological Engineering Society, Berkeley, California.

Haggard, B. E. 2006. "Phosphorus sources, concentrations and loads at the Illinois River, Arkansas and Oklahoma." Annual Meeting ASA–SSSA–CSSA, Indianapolis, Indiana.

Haggard, B. E. 2006. "Phosphorus sources, concentrations and loads at the Illinois River, Northwest Arkansas." UA Environmental Dynamics Colloquium, Fayetteville, Arkansas.

Haggard, B. E., M.D. Matlock, R.S. Avery and S.M. Williamson. 2006. "Algal nutrient limitation at Lake Eucha, Oklahoma 2003 – 2005." Arkansas Water Resources Center Annual Conference, Fayetteville, Arkansas.

Haggard, B. E., M.D. Matlock, R.S. Avery and S.M. Williamson. 2006. "Algal nutrient limitation at Lake Eucha, Oklahoma 2003 – 2005." Texas Rivers and Reservoirs Society Annual Conference, Austin, Texas.

Haggard, B. E., K.L. White, M.D. Matlock, and J. W. Kim. 2006. "Periphytic chlorophyll-a response to Triclosan exposure in the White River, Northwest Arkansas." Arkansas Water Resources Center Annual Conference, Fayetteville, Arkansas.

Haggard, B. E., K.L. White, M.D. Matlock, and J. W. Kim. 2006. "Periphytic chlorophyll-a response to Triclosan exposure in the White River, Northwest Arkansas." Texas Rivers and Reservoirs Society Annual Conference, Austin, Texas.

Haggard, B. E., K.R. Brye, and D.R. Smith. 2006. "Stream Water and Sediment Phosphorus Equilibrium at Ozark Streams, Northwest Arkansas, USA 2003–2004." Annual Meeting ASA–SSSA–CSSA, Indianapolis, Indiana.

Haggard, B. E. and G.S. Toor. 2006. "Water extractable elements in raw, heated and granulated poultry litters." USDA CSREES National Water Conference, San Antonio, Texas.

Haggard, B. E., G.S. Toor, M.S. Reiter, T.C. Daniel and A.M. Donoghue. 2006. "Does poultry litter affect water extractable phosphorus in litters and litter-amended soils." National Poultry Waste Management Symposium, Springdale, Arkansas.

Haggard, B. E., Köller, M. and M. D. Matlock. 2006. "Trophic conditions and nutrient limitation on Beaver Lake, Northwest Arkansas." Annual Meeting American Ecological Engineering Society, Berkley, California.

Haggard, B. E., Ludwig, A. L. and M. D. Matlock. 2006. "Application of nutrient diffusing substrate bio-assay for stream assessment." Arkansas Water Resources Center Annual Conference, Fayetteville, Arkansas.

Haggard, B. E., Ludwig, A. L. and M. D. Matlock. 2006. "Application of nutrient diffusing substrate bio-assay for stream assessment." Texas Rivers and Reservoirs Society Annual Conference, Austin, Texas.

Haggard, B. E., Ludwig, A. L. and M.D. Matlock. 2006. "Identification and Evaluation of limiting factors on algal growth in headwater Ozark streams." Annual Meeting American Ecological Engineering Society, Berkley, California.

Haggard, B. E., Ludwig, A. L. and M.D. Matlock. 2006. "Identification and Evaluation of limiting factors on algal growth in headwater Ozark streams." Annual Meeting Institute American Ecological Engineering Society, Berkley, California.

Haggard, B. E., Migliaccio, K. W., I. Chaubey, and M. D. Matlock. 2006. "Seasonality, land use and scale influences on stream water quality," Annual Meeting Florida Section ASABE, Jupiter, Florida.

Haggard, B. E. and Toor, G. S. 2006. "Phosphorus dynamics in soil amended with raw, ground, heated and granulated poultry litter." Annual Meeting ASA – SSSA – CSSA, Indianapolis, Indiana.

Haggard, B. E. , Toor, G. S., and A. M. Donoghue. 2006. "Does poultry litter granulation affect trace elements in litters and litter amended soils." National Poultry Waste Management Symposium, Springdale, Arkansas.

Haggard, B. E., Toor, G. S., and J. T. Sims. 2006. "Phosphorus leaching in soils: effect of soil type, soil phosphorus saturation, and animal manures generated from modified diets." 18th World Congress of Soil Science, Philadelphia, Pennsylvania.

Haggard, B. E., Toor, G. S., J. D. Peak, B. J. Cade-Menum, and J. T. Sims. 2006. "Identification and quantification of organic and inorganic forms of phosphorus in animal manures generated by dietary modification." 18th World Congress of Soil Science, Philadelphia, Pennsylvania.

Haggard, B. E., And Toor, G. S. 2006. "Extractability of trace elements in raw, heated and granulated poultry litters." 18th World Congress of Soil Science, Philadelphia, Pennsylvania.

Haggard, B. E. , White, M., and D. E. Storm.. 2006. "Modeling phosphorus transport from catchments using SWAT and an in-stream component". Modeling Phosphorus Transport in Agroecosystems: Joining Users, Developers, and Scientists, SERA17-IEG, Ithaca, New York.

Staton, B., Do, N., Ruiz, E., and Hale, W., "Prestress Losses in SCC Beams, MBTC 2071", Arkansas Highway and Transportation Department, Transportation Research Committee, November 17, 2006, Little Rock, AR.

Staton, B., Do, N., Ruiz, E., and Hale, W., "Transfer Lengths for Prestressed Concrete Beams Cast with Self Consolidating Concrete Mixtures", Mack-Blackwell Transportation Center, Professional Advisory Board Meeting, November 3, 2006, Fayetteville, AR.

Havens, J. and T. Spicer "Vapor Dispersion and Thermal Hazard Modeling." Gas Technology Institute, 2006.

Heymsfield, E., R.E. Wahl, & W.D. Hodo, "Fatigue Behavior of Contingency Airfields due to C-17 Wheel Loadings," 2006 SWIFT (Summer Winter Integrated Field Technologies) Conference & Trade Show, Calgary, Alberta, Sept. 10 -14, 2006.

Johnson, S. "Effect of Truck Speed on Safety, Productivity and Operational Costs." Schneider National Corporate Office (Safety Meeting), Green Bay, WI, December 2006.

Kim, J. H. PhD, and J. W. Kim. 2006. "DNA Hybridization Kinetics Based on Reaction and Diffusion in DNA-Carbon Nanotube Nanoarray System." Institute of Biological Engineering (IBE) Annual Meeting, Tucson, AZ.

Kim, J. W. and T.L. Peeples. "Screening extremophiles for bioconversion potentials." *Biotechnol. Prog.* 22:1720-1724.

Kim, J. W., N. Kotagiri PhD, E.V. Shashkov, E.I. Galanzha, and V.P. Zharov. "Photothermal antimicrobial nanotherapy with self-assembling carbon nanotube clusters." *Lasers in Surgery and Medicine*.

Kim, J. W. and S. Tung, 2006. "Microscale hybrid devices powered by biological flagellar motors." *IEEE Transactions on Automation Science and Engineering* 3:260-263.

Kim, J. W. and S. Tung. 2006. "Hybrid flagellar motor/MEMS based TNT detection system." *Proc. SPIE* 6223:62230A.

Kim, J. W., M. Al-fandi PhD, A. Malshe, S. Tung, J. Jenkins, and R. Pooran PhD. 2006. "Chemo-sensitivity and reliability of flagellar rotary motor in a MEMS microfluidic actuation system". *Sensors and Actuators B: Chemical* 114:229-238.

Kim, J. W., J. Chen, R. Deaton, M. Garzon, D.H. Wood, H. Bi, D. Carpenter MS, and Y.-Z. Wang. 2006. "Characterization of non-crosshybridizing DNA oligonucleotides manufactured in vitro." *Natural Computing* 5:165-181.

Kim, J. W., V.P. Zharov, D.T. Curiel, and M. Everts. 2006. "Amplified laser-nanocluster interaction in DNA, viruses, bacteria, and cancer cells: potential for nanodiagnostics and nanotherapy." *Lasers in Surgery and Medicine* 38(S18):16.

Kim, J. W. 2007. "Challenge to Bio-Actuators: Hybrid Flagellar Motor/MEMS Based Systems." International Symposium on Neo-Robotics, Nagoya Institute of Technology, Nagoya, Japan (Invited Paper).

Kim, J. W. N. Kotagiri PhD, R. Deaton, and S. Tung. 2007. "DNA-Directed Self-Assembly of Microscopic 1-D Carbon Nanotube Wire." IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Bangkok, Thailand.

Kim, J. W., Clendenin J. PhD, and S. Tung. 2007. "An Aligned Carbon Nanotube Biosensor for DNA Detection." IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Bangkok, Thailand.

Kim, J. W., J.S. Lee PhD, and R. Deaton. 2007. "Non-Crosshybridizing Oligonucleotide Building Blocks for Accurate, Scalable, and High-Rate Nanofabrication." IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Bangkok, Thailand.

Kim, J. W., R. Deaton, and S. Tung. 2006. "Development of Electrically Addressable DNA-Based Carbon Nanotube Wire Bio/Nano Sensors." International Food Nanotechnology Conference, Orlando, FL.

Kim, J. W. and S. Tung. 2006. "Hybrid Flagellar Motor/MEMS Based TNT Detection System." The International Society for Optical Engineering (SPIE) (Session – Micro (MEMS) and Nanotechnologies for Space Applications), Orlando, FL.

Kim, J. W., R. Deaton, J. Chen, and J.S. Lee PhD. 2006. "Genomic Pattern Classifier Based on a Biological Memory with In Vitro Learning and Associative Recall." DNA 12: 12th International Meeting on DNA Computing, Seoul, Korea.

Kim, J. W., R. Deaton, J.S. Lee PhD, and H.D. Wijesekera PhD. 2006. "In Vitro Selection for Large Libraries of Non-Crosshybridizing DNA Oligonucleotides for DNA Computing and DNA-Based Nanotechnology." Institute of Biological Engineering (IBE) Annual Meeting, Tucson, AZ.

Kim, J. W., J.S. Lee PhD, and R. Deaton. 2006. "A Biological Memory with In Vitro Learning and Associative Recall as a Genomic Pattern Classifier." Institute of Biological Engineering (IBE) Annual Meeting, Tucson, AZ.

Kim, J. W., N. Kotagiri PhD, R. Deaton, and S. Tung. 2007. "DNA-Directed Self-Assembly of Microscopic 1-D Carbon Nanotube Wire." IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Bangkok, Thailand.

Kim, J. W., J.S. Lee PhD, and R. Deaton. 2007. "Non-Crosshybridizing Oligonucleotide Building Blocks for Accurate, Scalable, and High-Rate Nanofabrication." IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Bangkok, Thailand.

Kim, J. W., 2006. "Bio/Nano Technology: Extremophile Biocatalysis and Bio/Abio Interfacing Technology." University of Georgia, Athens, GA (Invited).

Kim, J. W., 2007. "Bio/Nano Technology for Environment and Medicine." Gwangju Institute of Technology, Gwangju, Korea (Invited).

Kim, J. W., 2007. Bio/Nano Technology, Shenyang Institute of Automation, Shenyang, China.

Kim, J. W., 2007. "Challenge to Bio-Actuators: Hybrid Flagellar Motor/MEMS Based Systems. International Symposium on Neo-Robotics, "Nagoya Institute of Technology, Nagoya, Japan.

King, J.W., D.J. Carrier and E.C. Clausen "Bioactive Extracts for Food Use Using Pressurized Fluid Technology" World Conference and Exhibition on Oilseed and Vegetable Oil Utilization, Istanbul, Turkey, 2006.

King, J.W., K. Srinivas J.M. del Valle and J.C. de la Funete "Design optimization for the use of sub-critical fluids in biomass transformation, bio-fuel production, and bio-refinery utilization – I." Proceedings of the 8th International Symposium on Supercritical Fluids (ISSF 2006), Kyoto, Japan, 2006. Proceedings No. OC-2-17, pp. 1-8 (CD Proceedings).

King, J.W., E.C. Clausen and D.J. Carrier "Energy and Value-Added Products from Biomass – A SERBEP Sponsored Workshop for the People of Arkansas." Arkansas Energy Office and DOE/SSEB Southeast Biomass State and Regional Partnership, 2006.

King, J.W. "Overview of Bioenergy Research at the University of Arkansas." Eastman Chemical, Batesville, AR, 2006.

Kotagiri, N. PhD, and J. W. Kim. 2006. "Modeling of Hybridization kinetics of DNA-CNT Adducts in Solution." Institute of Biological Engineering (IBE) Annual Meeting, Tucson, AZ.

Li, Y. 2006. "Microbial models and biosensors for prediction and detection of foodborne pathogens in poultry products." Annual report to the Food Safety Consortium, October 1.

Li, Y. 2006. "Elimination of Listeria from ready-to-eat poultry products." Annual report to NAFSS and USDA/ARS, December 15. 3).

Li, Y. 2006. "Rapid detection of foodborne pathogens using biosensor technology." Annual report to USDA/FAS, October 31.

Li, Y., R. Wang, B. Hargis, S. Tung, L. Berghman, and W. Bottje. 2007. "Development and initial evaluation of a biosensor for in field screening of avian influenza virus." To present at International Poultry Scientific Forum. January 2223, 2007, Atlanta, GA.

Li, Y., B. Hargis, S. Tung, L. Berghman, and W. Bottje. 2007. "An impedance biosensor for rapid screening of avian influenza virus H5N1 in poultry samples." To present at Institute of Biological Engineers 2007 Annual Meeting, March 29-April 1, 2007, St. Louis, MO.

Li, Y. and Varshney, M. 2007. "Impedance biosensor based on flow cell with double interdigitated array microelectrodes for detection of viable Escherichia coli O157:H7 in growth medium." To present at Institute of Biological Engineers 2007 Annual Meeting, March 29-April 1, 2007, St. Louis, MO.

Li, Y., Jiang, X., Y. Ying, J. Wang, Z. Ye, and G. Zhu. 2006. "Applications of antibody-based biosensor to pesticide residues monitoring." Presented at ASABE 2006 Annual Meeting, July 9-12, 2006, Portland, OR. ASABE Paper No. 067116.

Li, Y., Li, Q., J. Wang, Y. Ying. 2005. "Rapid detection of E. coli O157:H7 using piezoelectric immunosensor." Presented at ASABE 2006 Annual Meeting, July 9-12, 2006, Portland, OR. ASABE Paper No. 067117.

Li, Y. 2006. "Biosensors for detection of foodborne pathogenic bacteria: A review." Presented at ASABE 2006 Annual Meeting, July 9-12, 2006, Portland, OR. ASABE Paper No. 067026.

Li, Y., Liu, F., and X. Su 2006. "Detection of Escherichia coli O157:H7 using a QCM immunosensor with nanoparticle amplification." Presented at ASABE 2006 Annual Meeting, July 9-12, 2006, Portland, OR. ASABE Paper No. 067119.

Li, Y., and Pradhan, A., 2006. "Exposure assessment simulation for microbial behavior of Salmonella in poultry processing." Presented at SRA 2006 Annual Meeting, December 3-6, 2006, Baltimore, MD. The Winner of the Student Merit Awards of SRA 2006.

Li, Y., Srinivasan, B., S. Tung, and M. Varshney, 2006. "Simulation of an Electrical impedance based microfluidic biosensor for detection of E. coli O157:H7." Presented at 2006 COMOS meeting, November 5-11, Houston, TX.

Li, Y, Ye, Z., Y. Ying, X. Su and Q. Sun. 2006. "Design, Construction and evaluation of a portable biosensor for rapid detection of E. coli O157:H7." Presented at ASABE 2006 Annual Meeting, July 9-12, 2006, Portland, OR. ASABE Paper No. 067121.

Li, Y., Cooney, L., R. Tian, W. Dong, H. Wang and M.F. Slavik 2006. "TiO<sub>2</sub> nanofiber coating with UV catalysis for inactivation of Escherichia coli O157:H7." Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Li, Y.. 2006. "Nanotechnologies and biosensors for detection of foodborne pathogens." In: CD of Food Safety Consortium 2006 Symposium, October 1-3, Fayetteville, AR.

Li, Y, Liu, F., X. Su and 2006. "Detection of Escherichia coli O157:H7 using a QCM immunosensor with nanoparticle amplification." Presented at Food Safety Consortium 2006

Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium. The winner of the Third Prize of the Graduate Students Poster Contest.

Li, Y. and Pradhan, A. 2006. "Quantitative microbial risk assessment model for exposure assessment of Salmonella during poultry processing." Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Li, Y., Su, X., Q. Sun, Z, and Ye, L. Bielke.2006. "A versatile multichannel immunoassay instrument for food safety and quality." Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Li, Y., Sun, Q., X. Su, J. Millett. 2006. "A capillary column-based immunosensor for rapid detection of atrazine residue in drinking water." Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Li, Y. and Varshney, M. 2006."Impedance biosensor based on interdigitated microelectrode coupled with magnetic nanoparticle-antibody conjugates for detection of Escherichia coli O157:H7." Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium. The winner of the First Prize of the Graduate Students Poster Contest.

Li, Y., Wang, R., B. Hargis, S. Tung and W. Bottje. 2006. "Microfluidics-based impedance biosensor for rapid screening of avian influenza viruses H5N1" Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Li, Y., Ye, Z., X. Su, and Q. Sun. 2006. "Design, construction and evaluation of a portable biosensor for rapid detection of E. coli O157:H7." Presented at Food Safety Consortium 2006 Annual Meeting, October 1-3, Fayetteville, AR. Abstract in CD of Food Safety Consortium 2006 Symposium.

Parishram, P., A.P. Malshe, and A. Fulton, "Laser Melt Processing of H13 Tool Steel," ASME International Mechanical Engineering Congress and Exposition, Chicago, IL, 2006.

Virwani, K.R., A.P. Malshe, and K.P. Rajurkar, "Wear and Surface Reconstruction of a Nano-tool at the Electrode-liquid Interface during Nano Electro Machining," Proceeding of 4<sup>th</sup> International Symposium of Nanomanufacturing, MIT, Boston, MA, November, 2006, (Best Student Paper Award).

Verma, A., A.P. Malshe, W. Brown, W. Jiang, A. Adhvaryu, and P. McCluskey, "Exploring Mechanical Synthesis of Inorganic Nanoparticles of MoS<sub>2</sub> Lubricant and Its Composite with Organic Medium for Advanced Manufacturing," Proceeding of 4<sup>th</sup> International Symposium of Nanomanufacturing, MIT, Boston, MA, November, 2006 (Best Student Paper Award).

Jiang, W., L. Sun, G. Nyandoto, and A.P. Malshe, "Electrostatic Spray Deposition of Nanostructured Hydroxyapatite (HAp) Coating for Biomedical Applications," Proceeding of 4<sup>th</sup> International Symposium of Nanomanufacturing, MIT, Boston, MA, November, 2006.

Mantooth, H. A., "Emerging Applications of SiC and Circuit Design Issues," International Workshop on SiC Power Devices and Circuits, 30 slides, Kyoto, Japan, Oct. 25, 2006.

Mantooth, H. A., "An Integrated Environment for Model Creation and Characterization," VTB User's Conference, University of South Carolina, 14 slides, Oct. 2006.

Matlock, M. D., C. Thompson, G. S. Osborn. 2006. "Point Source Ozonation to Miminize Antibiotic Resistance. NSF Phase I SBIR Final Report." National Science Foundation.

Gue, K.R., and R.D. Meller. "New Aisle Designs for Unit-Load Warehouses." Mississippi State University, Starkville, MS, November 2006.

Gue, K.R., and R.D. Meller. "New Aisle Designs for Unit-Load Warehouses." Warehousing Education & Research Council, Atlanta, GA, December 2006.

Gue, K.R., and R.D. Meller. "It's All in the Aisles." Warehouse Education and Research Council Webinar, Hosted around the country to over 110 paid participants, January 2007.

Gue, K.R., and R.D. Meller. "This is Not Your Grandfather's Warehouse!" Supli Chain Execution Systems & Technologies Group, Material Handling Industry of America Spring Meeting, Charlotte, NC, April 2007.

Gue, K.R., G. Ivanovic, and R.D. Meller. "Aisle Designs for Unit-Load Warehouses with Multiple P&D Points." 2007 Industrial Engineering Research Conference, Nashville, TN, May 2007.

Meller, R.D. "Managing a Multi-University Center: The Center for Engineering Logistics and Distribution." NSF I/UCRC 2007 Annual Meeting, Arlington, VA, January 2007.

Meller, R.D. "The Center for Engineering Logistics and Distribution." Celdi Planning Grant Meeting for Celdi-UW, Seattle, WA, February 2007.

Meller, R.D. "Celdi State of Center Address." Celdi Spring Meeting, Phoenix, AZ, March 2007.

Meller, R.D. "The Status and Future of Material Handling Education." Conveyor Product Section, Material Handling Industry of America Spring Meeting, Charlotte, NC, April 2007.

Meller, R.D. "Research Activities: Success Strategies." 5th Annual IIE New Faculty Colloquium, Nashville, TN, May 2007.

- Miman, M., and E.A. Pohl. "Contingency Logistics Supply Chain Modeling and Reliability Assessment." Society of Risk Analysis, Baltimore, MD, December 2006.
- Yano, C.A., J. Hartman, and R.D. Meller. "A Panel of Experienced Departmental Editors." 6<sup>th</sup> Annual IIE Doctoral Colloquium, Nashville, TN, May 2007.
- Nam, C.S. "Telehaptics: Supporting Human Behavior in Networked Virtual Environments." Seoul National University, Seoul, Korea, October 2006.
- Nam, C.S. "Auditory Warning Design." Hyundai Automobile Research Center, Suwon, Korea, June 27, 2007.
- Nutter, D.W., "Thoughts about Industrial Energy Conservation," Presentation at Manufacturing Executives Association (MEA) Meeting, Ft. Smith, AR, November 28, 2006.
- Taylor, S.B., D.W. Nutter, J.A. Davis, and J.J. Rencis, "Freshman Two Year Retention Study in Mechanical Engineering at the University of Arkansas," Presentation at The 41<sup>st</sup> American Society of Engineering Education (ASEE) Midwest Section Meeting, Kansas City, MO, September 13-15, 2006.
- Osborn, G. S. and Jat, P. 2006. "Chemical Reaction Kinetics Approach to Model Moisture Adsorption of Rough Rice." 31st Rice Technical Working Group. Annual Meeting, The Woodlands, TX.
- Osborn, G.S. 2006. "Teaching Food/Bio Engineering: Spiraling Ahead." ASABE Annual Meeting, Invited Session, Portland, OR. Invited.
- Osborn, G.S. 2006. "Applications of the SDOXTM for Emergency Spill Response." Presentation made to Arkansas Department of Environmental Quality, Little Rock, AR.
- Osborn, G.S., M.D. Matlock, G.M. Magness. 2006. "Potential Applications of Dissolved Ozone Injection for Drinking Water Treatment." Presentation to City of Tulsa Utilities Water Division.
- Osborn, G.S. 2006. "Point Source Ozonation to Minimize Antibiotic Resistance." EPA Region VI Pretreatment Conference. N. Little Rock, AR.
- Osborn, G.S. 2006. "Incorporating Design as Spiraling Connection in Biological Engineering Education." Presentation to College of Engineering Seminar Series. Virginia Polytechnic University. Blacksburg, VA.
- Panda, B., "Storage and Management of Information Provenance Metadata", The AFOSR Software & Systems Annual Workshop, Rome, NY, June 4-8, 2007.
- Panda, B., "Analyzing Effects of Deceptive Information on a Trusted Network", The AFOSR Software & Systems Annual Workshop, Turning Stone Resort, Verona, NY, August 14-18, 2006.

Parnell, G., and E.A. Pohl. "Multi-Objective Decision Analysis Techniques for Systems Engineering." 16<sup>th</sup> Annual International Council on Systems Engineering Symposium, Orlando, FL, July 2006.

Pohl, E.A., and R. Swaminathan. "Simulation-Optimization of Control Chart and Preventive Maintenance Policies." INFORMS 2006, Pittsburgh, PA, November 2006.

Puligalla, S., S. Penumathy, and V.V. Varadan, "Orientation Effects and Homogenization Volumes for SRR Metamaterials", IEEE Ap- URSi Symposium, Albuquerque, NM, July 2006.

Aluri, S., J. Alam, and J.J. Rencis, "On-Line Virtual Instructor for Teaching the Finite Element Method," Mechanical Engineering Education Division, Presentation at 2006 ASME International Mechanical Engineering Congress and Exposition, Chicago, IL November 5-10, 2006.

Rossetti, M.D. "An Object-Oriented Framework for Simulating Multi-Echelon Inventory Systems." Winter Simulation Conference, Monterey, CA, December 2006.

Rossetti, M.D. "An Object-Oriented Framework for Simulating Automatic Data Collection Systems." Winter Simulation Conference, Monterey, CA, December 2006.

Saxena, A., "Use of Artificial Neural Net in Risk Assessment of High Temperature Components," EPRI International Conference Remaining Life Assessment, Louisville, KY, October 2006.

Kim, D., J. Wu, W.F. Schmidt, and A.P. Malshe, "Characterization of Mechanical Properties and Microstructure in Copper Nanopowder Alloyed Al7075 T651 Via Friction Stir Process," Proceedings of 2006 Annual TMS (The Minerals, Metals & Materials Society) Meeting, San Antonio, TX, 2006.

Soerens, T., "Sustainable Practices at Wal-Mart", American Rainwater Catchment Systems Association Annual Conference, Tucson, AZ, October 2006.

Spearot, D.E., D.L. McDowell, and K.I. Jacob, Atomistic Simulation of Dislocation Nucleation from Grain Boundaries in FCC metals," Presented at The 7<sup>th</sup> World Congress on Computational Mechanics, Los Angeles, CA, July 16-22, 2006.

Capolungo, L., D.E. Spearot, M. Cherkaoui, and J. Qu, "Dislocation Nucleation from Bicrystal Interface and Grain Boundary Ledges: Relationship to Nanocrystalline Deformation," Presented at The 7<sup>th</sup> World Congress on Computational Mechanics, Los Angeles, CA, July 16-22, 2006.

Capolungo, L., D.E. Spearot, M. Cherkaoui, and J. Qu, "Dislocation Nucleation from Bicrystal Interface and Grain Boundary Ledges: Relationship to Nanocrystalline Deformation,' Presented at Plasticity 2006, Halifax, Nova Scotia, July 16-22, 2006.

Spicer, T.O. and E.C. Clausen "Creating Enthusiasm for Science in the High School Classroom." 2006 American Society of Engineering Education Midwest Section Annual Conference, Kansas City, MO, 2006

Spicer, T.O. and E.C. Clausen "Experiments in Science and Engineering: A Workshop for High School Science Teachers." 2006 Annual Meeting of the American Institute of Chemical Engineers, San Francisco, CA, 2006.

Talapanuri, Gokul, Shruti Pandalaraju, Douglas Woten\*, and Magda El-Shenawee, "Breast Cancer Detection using Microwave Imaging," Poster presented in the Symposium of the Arkansas Biosciences Institute Conference (ABI), Little Rock, October 28, 2006.

Thompson, Craig, Kyle Neumeier, "Real World Research Projects," Information Technology Research Institute Board Meeting, September 21, 2006.

Thompson, Craig, "Real World Research Projects," CSCE Industrial Advisory Board, October 24, 2006.

Thompson, Craig, "Real World Research Projects," Enterprise Computing Steering Committee, October 27, 2006.

Thompson, Craig, "Research and Vision for CSCE," CSCE Department, January 24, 2007.

Uudmae, J., H. Sunkara, D. R. Thompson, S. Bruce, and J. Penumarthy, "MIXNET for radio frequency identification," in Proc. IEEE Region 5 Technical Conf., Fayetteville, Arkansas, April 20-21, 2007, pp. 382-385.

Thompson, D. R., J. Di, H. Sunkara, and C. Thompson, "Categorizing RFID privacy threats with STRIDE," in Proc. ACM Symposium on Usable Privacy and Security (SOUPS), Carnegie Mellon University, Pittsburgh, Pennsylvania, July 12-14, 2006.

Varadan, V. V., "Re-engineering the Life Sciences for the 21st Century", Wichita State University, July 28, 2006.

Williams, Stacy G., and Frances Griffith, "CTTP Annual Review 2006", CTTP Advisory Board Meeting, Fayetteville, Arkansas, December 2006.

Yoon, H., D. Deshpande, R. R. Chintakuntala and V. K. Varadan, "Enzyme Electrodes Immobilized on Hetero-Structured Metallic Nanowire Array For Glucose Sensing", International Conference on Biomedical Applications of Micro-and Nano-Engineering III, Adelaide, Australia, December 2006.

Young, J.C., "Fundamentals of Aerobic and Anaerobic Treatment of Industrial Wastewaters" Proc. Workshop on Industrial Wastewater Treatment, Sponsored by China Medical University and SINOTECH, Taichung and Taipei, Taiwan.

Terdalkar, S., S. Zhang, and J.J. Rencis, "Molecular Dynamics Simulations of Curvature Change of Free-Standing Silicon Thin Films Induced by Argon Ion Bombardments," Materials Division, Presentation at 2006 ASME International Mechanical Engineering Congress and Exposition, Chicago, IL, November 5-10, 2006.

Zharov, V.P., J. W. Kim, D.T. Curiel, and M. Everts. 2006. "Amplified Laser-Nanocluster Interaction in DNA, Viruses, Bacteria, and Cancer Cells: Potential for Nanodiagnostics and Nanotherapy." 26th Annual Meeting of the American Society for Laser medicine and Surgery, Boston, MA.

### **OTHER CREATIVE ENDEAVORS**

Ackerson, M. U.S. Patent No. 6,881,326 "Two Phase Hydroprocessing."

Clausen, E.C., U.S. patent RE 39,175 "Microbial process for the preparation of acetic acid as well as solvent for its extraction from the fermentation broth." With J.L. Gaddy, C.W. Ko, L.E. Wade and C.V. Wikstrom, July 11, 2006.

Stokoe, II, K.H., Lin, Y.C., Cox, B., Jung, M.J. (2006). "SASW Test Procedures and Documentation of Equipment Calibration at The University of Texas at Austin: SASW Profiling to Depths Less than 150 Feet," Geotechnical Engineering Report GR06-8, University of Texas at Austin, August.

Stokoe, II, K.H., Cox, B., Lin, Y.C., Wilder, B. (2006). "Shear Wave Profiling at the Device Assembly Facility (DAF), Nevada Test Site, NV," Vol. I, Geotechnical Engineering Report GR06-12, University of Texas at Austin, November.

Hale, W., "Ground Granulated Blast Furnace Slag for Use in Concrete Mixtures", Project TRC-0405 Final Report, Arkansas State Highway and Transportation Department, Little Rock, AR, 2006.

Tran, N.H., Hall, K.D. "Projected Traffic Loading for Mechanistic Empirical Pavement Design Guide," TRC 0402, Arkansas State Highway and Transportation Department, U.S. Department of Transportation, Federal Highway Administration, July 2006, 265 pp.

Li, W. "An Empirical Study of 'spelling correction' for Prospecting Application" ALAR 07 conference on applied research in information technology, March 2007.

Li, W. and T. Schweiger ""Distributed Data Structures and Algorithms for Disjoint Sets in Computing Connected Components of Huge Network" International Conference on Parallel and Distributed Processing Techniques and Applications, June 2007.

Malshe, A.P. and A. Verma "Synthesis of Active Solid Lubricant Nanoparticles and Their Composite Formation Using Mechanical Ball Milling," 2006.

Malshe, A.P., "Application of Particulate Composite for the Protection for Electronics," 2006.

Malshe, A.P. and P. Parishram “Laser Assisted Annealing of Surface and Subsurface Defects of Dies and Molds,” 2006.

Meller, R.D., K.R. Gue, and P. Parikh. “Offset Aisle Design for Distribution Centers.” Intellectual Property Disclosure, University of Arkansas, #006-083. Effective Date: December 7, 2006. Notification Date: December 8, 2006.

Xiao, Z., C. Thompson, and W. Li “Data Processing Workflow Automation in Grid Architecture” to appear in Proc. The 5th international conference on grid and cooperative computing. Oct. 2006.

Hoag, Joe, Craig Thompson, “TagCentric RFID Middleware,” Open source software released on SourceForge, March 2007. 800+ downloads, <http://tag-centric.sourceforge.net/> & <http://sourceforge.net/projects/tag-centric/>.

Thompson, Craig, Expert witness for Wilmer-Hale LLP in software patent infringement case, Spring/Summer/Fall 2006. Won jury trial judgment in Federal Court in Marshall Texas. Legal consultant for Kirkland-Ellis LLP and Wong Cabella in software patent infringement cases, Spring/Summer/Fall 2007.

Thompson, Craig, Chair, Conference on Applied Research in Information Technology, Axiom Laboratory for Applied Research, Conway AR, March 9, 2007. Arranged for Reynolds Center, wrote and sent Call for Papers to targeted list, organized program, ordered food, chaired conference, settled finances, published proceedings at ALAR site.

# School of Law

Howard Brill, Interim Dean and Vincent Foster University Professor of Legal Ethics and Professional Responsibility

## **PUBLICATIONS**

For Such a Time as This: Bible Verses for Law School Deans,@ 2006 Ark. L. Notes 125.  
2006 Supplement to ARKANSAS LAW OF DAMAGES (5<sup>th</sup> edition) (December 2006).

## **LECTURES/SPEECHES/PRESENTATIONS**

John Travolta and Legal Ethics: A Civil Action,@ Western Arkansas Trial Practice Seminar, Fayetteville, Arkansas, September 2006.

Ethical Issues Involving Paralegals,@ Springdale, Arkansas, November 2006.

Herb Cihak, Director of the Law Library and Professor of Law

## **PUBLICATIONS**

HAVA and Arkansas Election Law Reform: Compliance and Promise,@ 2006 Ark. L. Notes 1 (co-authored with Jason Springman).

## **PUBLICATIONS**

Contract Theory and Contract Practice: Allocating Design Responsibility in the Construction Industry,@ 58 Fla. L. Rev. 561 (2006).

An Exchange of Collegial Memoranda on the Attachment of a Judgment Lien to Real Property Subject to a Buy-Sell Agreement,@ 2006 Ark. L. Notes 93 (co-authored with Robert Laurence).

## **LECTURES/SPEECHES/PRESENTATIONS**

Estate Planning and Elder Law,@ Butterfield Trail Village, Fayetteville, Arkansas, July 2006.

Scott Dodson, Assistant Professor of Law

## **PUBLICATIONS**

Subclassing,@ 27 Cardozo L. Rev. 2351 (2006).  
Constitutional Thematics and the Peculiar Federal Marriage Amendment,@ 20 B.Y.U.J. Pub. L. 223 (2006).

Uché Ewelukwa, Associate Professor of Law

**PUBLICATIONS**

Litigating the Rights of Street Children in Regional or International Fora: Trends, Options, Barriers and Breakthroughs,@ 9 Yale Human Rights & Development Law Journal 85-131 (2006).

Janet Flaccus, Professor of Law

**PUBLICATIONS**

Bankruptcy Abuse Prevention and Consumer Protection Act: A Survey of Cases,@ 2006 Ark. L. Notes 67.

Bankruptcy Jurisdiction and the Supreme Court: Can a State be Sued for Money When It Violates a Federal Statute?,@ 2006 Ark. L. Notes 79.

**LECTURES/SPEECHES/PRESENTATIONS**

Speaker, Northwest Arkansas Debtor-Creditor Bar, July 2006.

Donald P. Judges, E.J. Ball Professor of Law

**LECTURES/SPEECHES/PRESENTATIONS**

Arkansas Administrative Procedure Act,@ CLE sponsored by the Arkansas Bar Association in Little Rock, Arkansas, October 2006.

U.S. Environmental Law,@ Krok University, Kyiv, Ukraine, and AAmerican Legal Education,@ American Councils Office, Kyiv, Ukraine, December 2006.

Mark Killenbeck, Wylie H. Davis Distinguished Professor of Law

**PUBLICATIONS**

MCCULLOCH V. MARYLAND: SECURING A NATION, University Press of Kansas, 2006.

**LECTURES/SPEECHES/PRESENTATIONS**

The Supreme Court: An Assessment of the Roberts Court=s First Year,@ Supreme Court Update Teleconference, Arkansas Bar Association, September 2006.

The Roberts Court: Present and Future,@ National Constitution Center Audio Conference, November 2006.

Judith Kilpatrick, Professor of Law

### **PUBLICATIONS**

Wiley A. Branton and Cooper v. Aaron: America Fulfills Its Promise,@ Arkansas Historical Quarterly 65, no. 1 (spring 2006): 7-21.

### **LECTURES/SPEECHES/PRESENTATIONS**

Panelist, Desegregation in Little Rock, the Legal Battle,@ National Oral History Association, Little Rock, Arkansas, October 2006.

Robert Laurence, Robert A. Leflar Distinguished Professor of Law

### **PUBLICATIONS**

An Exchange of Collegial Memoranda on the Attachment of a Judgment Lien to Real Property Subject to a Buy-Sell Agreement,@ 2006 Ark. L. Notes 93 (co-authored with Carl Circo).

Robert B Leflar, Arkansas Bar Foundation Professor of Law; Adjunct Professor, University of Arkansas for Medical Sciences, College of Medicine and College of Public Health

### **LECTURES/SPEECHES/PRESENTATIONS**

Law, Medical Errors, and Politics: An International Comparative Analysis,@ International Symposium on Urbanization, Gender, and Public Health,@ Shanghai, China, December 14, 2006.

Law and Patient Safety in the United States and Japan,@ Faculty enrichment presentation, UALR School of Law, Little Rock, Arkansas, November 2, 2006.

Law and Patient Safety in the United States and Japan,@ Faculty enrichment presentation, University of Arkansas School of Law, Fayetteville, Arkansas, September 20, 2006.

Disclosure of and Apology for Medical Error: Changes in Law and Practice in the U.S. and Japan,@ Japan Ass=n of Law & Society, Waseda Univ., Tokyo, July 15, 2006.

Law and Patient Safety in the U.S. and Japan,@ Workshop on Medical Safety and the Law, Univ. of Tokyo, July 8, 2006 (keynote speaker).

Mary Beth Matthews, Sidney Parker Davis, Jr. Professor of Business and Commercial Law

### **PUBLICATIONS**

Labor-Management Relations During the Clinton Administration,@ 24 Hofstra Lab. & Emp. L. J. 31, (2006).

## **LECTURES/SPEECHES/PRESENTATIONS**

Foundations of Labor Arbitration,@ 29<sup>th</sup> Annual Labor Management Conference of the National Academy of Arbitrators/Industrial Relations Research Association, Houston, Texas, 2006.

William Jefferson Clinton: The >New Democrat= from Hope,@ Labor Relations Panel, New York City, New York, 2006.

Michael Mullane, Director of the Legal Clinic and Professor of Law

## **LECTURES/SPEECHES/PRESENTATIONS**

Low-tech Illustrative Exhibits,@ CLE, Benton County Bar Association, Bentonville, Arkansas, August 3, 2006.

Cynthia Nance, Dean and Professor of Law

## **PUBLICATIONS**

Why Labor and Employment Ethics,@ Northern Kentucky Law Review (2006).

Widgets to Digits, Reimagining Protective Workplace Policy,@ book review in Employee Rights and Employment Policy Journal, 2006.

## **LECTURES/SPEECHES/PRESENTATIONS**

Ethical Issues in Arbitration,@ American Bar Association Annual Meeting, Honolulu, Hawaii, August 2006.

Immigration Issues in Employment Litigation,@ Fall Legal Institute, Fayetteville, Arkansas, October 2006.

Moderator, AThe Supreme Court Speaks: Kentucky River: The Impact of the NLRB=s New Interpretation of Supervisory Status Under the NLRA and Beyond,@ American Bar Association Teleconference, October 2006.

The Future of the Civil Rights Movement,@ National Bar Association Board of Governors Meeting and Eighteenth Annual Wiley A. Branton Issues Symposium, Little Rock, Arkansas, November 2006.

Phil Norvell, Professor of Law

## **PUBLICATIONS**

Bankruptcy Reform and Family Farmers: Correcting the Disposable Income Problem,@ 38 Tex. Tech. L. Rev. 309 (2006).

## **PUBLICATIONS**

Presidential Signing Statements: How to Find Them, How to Use Them, and What They Might Mean,@ 2006 Ark. L. Notes 87.

Books for Lawyers from 2005: A Very Subjective View of the Scribes Prize Nominees,@ 2006 Ark. L. Notes 107.

## **LECTURES/SPEECHES/PRESENTATIONS**

Tempering Steel: The Effectiveness of Politically Targeted Countermeasures and the US Steel Tariff of 2002,@ Southwest University for Political Science and Law, Chongqing, China, December 2006.

Letters Home from Harvard Law: The Daveis Family Correspondence of 1839-1841@ (with Michael Hoeflich), American Society for Legal History, Baltimore, Maryland, November 2006.

Liberty in the Jurisprudence of Roscoe Pound,@ Essex Junction, Vermont, August 2006.

Disciplinary Evolution and Scholarly Expansion: Legal History in the United States,@ XVIIth Congress of The International Academy of Comparative Law, Utrecht, Netherlands, July 2006.

The Constitution as Law: The American Experiment,@ Universität Trier, Germany, July 2006.

Ned Snow, Assistant Professor of Law

## **PUBLICATIONS**

Accessing the Internet Through the Neighbor=s Wireless Internet Connection: Physical Trespass in Virtual Reality,@ 84 Nebraska Law Review 226-65 (2006).

## **LECTURES/SPEECHES/PRESENTATIONS**

A Copyright Conundrum: Protecting Email Privacy,@ Benjamin Cardozo School of Law, New York City, New York, October 16, 2006.

Government Takings of Electronic Papers: Where=s the Due Process for Email Interception?,@ American Bar Association Law Student Division 2006 Fall Northeast Roundtable, University of Pennsylvania Law School, October 14, 2006.

Searches, Seizures, and Takings of Electronic Papers: Just Compensation for Government Interception of Private Email Expression,@ 2006 Conference of Central States Law Schools, Louis Brandeis School of Law, October 21, 2006.

Tim Tarvin, Clinical Associate Professor, Legal Writing

# University Libraries

## REFEREED PUBLICATIONS

**Dong, Elaine** (Cataloging Acquisitions). "Organizing Websites: a Dilemma for Libraries." *Journal of Internet Cataloging*. 7:3/4 (2007): 49-58.

Carol Gattis, Shannon Davis, Bryan Hill, **Patricia Kirkwood** (Collection Development), *ECAP: A Recruitment-To-Graduation Program For Underrepresented Engineering Students, Proceedings of the American Society for Engineering Education Annual Conference*, Pittsburg, June.

**Salisbury, Lutishoor** (Head, Chemistry & Biochemistry Library), Bajwa, V. and S.L. Dillon. University of Arkansas Food Science Publications and the Characteristics of their Cited References: A Bibliometric Study. *Journal of Agricultural and Food Information*. 8:4 (2007): 21-33.

**Walker, Mary A.** (Cataloging Acquisitions) and **Deb Kulczak** (Cataloging Acquisitions). "Shelf-Ready Books Using PromptCat and YBP: Issues to Consider (An Analysis of Errors at the University of Arkansas)." *Library Collections, Acquisitions and Technical Services*. 31:2 (June 2007): 61-84. Also available online: <http://dx.doi.org/10.1016/j.lcats.2007.07.016>.

**Tim J. Zou** (Head, Access Services) and **Elaine X. Dong**. "In Search of a New Model: Library Resource Sharing in China – A Comparative Study." World Library and Information Congress: 73rd IFLA General Conference and Council, 19-23 August 2007, Durban, South Africa . (Refereed, online publication) [http://www.ifla.org/IV/ifla73/papers/096-Zou\\_Dong-en.pdf](http://www.ifla.org/IV/ifla73/papers/096-Zou_Dong-en.pdf).

## NON-REFEREED PUBLICATIONS

**Lutishoor Salisbury**, Sherea Dillon, Burmshik Kim and Jeremy Smith and **Usha Gupta**. 2007. "University of Arkansas Faculty Citations: A Bibliometric Study. Part 2: Characteristics of Faculty Cited References, 2004-2006." 257pp.

**Lutishoor Salisbury** (with other members of the Planning Committee, Anne Diekema, Cathy Lowe, Lois McLean, and Sarah Hiersch). "2007 NSDL Annual Meeting: Summary of the End-of-Meeting Survey Results." NSDL, March.

**Stankus, Tony**, articles posted to the *DBIO: The SLA BioMedical & Life Sciences Division Blog* (all postings accessible at <http://sla-divisions.typepad.com/dbio/>): "The ABI for PAD: Advocating An Added Vital Sign for Older Patients." (posted July 22); "Fatal Encounters with Wildlife in America: Their Deaths & Ours." (posted July 23); "Trying to Change Goliath's Attitude vs. Finding Just the Right Stone: Small Drug Discovery Today." (posted July 30); "Carp: Destructive Invasive Species or an Important Part of Our World's Sportfishing and Culinary Heritage?" (posted August 6); "*Tres Difficile!* Growing Concern with *Clostridium difficile* and Other Toxin Producing Bacteria." (posted August 28); "Correlation, Causality & Confounding Conformity in Preventive Medicine Epidemiological Studies" (posted September

20); “Changing a Classic Bibliographic Instruction Course: Or, Following in the Footsteps of a Giant by Another Path.” (posted October 5); “Journals for Nobel Prizewinners: Does Your Library Have What They Needed?” (posted October 10); “Vaccines: Has the Quest for the Perfect for Every Single Person Become the Enemy of the Good for All?” (posted October 18); “The Evolution of Fat Science & the Fat Science of Evolution.” (posted October 29); “How Do We Know What’s So About the Size and Mobility of Large Predatory Dinosaurs.” (posted November 30); “What We Know About Twins & What Twins Teach All of Us About Ourselves.” (posted December 12); “An Invitation to Lunch with the Leadership at the Leadership Summit in Louisville.” (posted January 18); “Nancy Stimson, the New NIH Public Access Policy & Our Roles in Helping Our Clients Comply.” (posted January 21); “Vitligo: Some BioMedical Literature to Back a New Book by a Popular TV Reporter With the Disease.” (posted February 1); “Wolves and Their Carnivorous Competitors.” (posted February 6); “DBIO Strategic Planning Committee Invites Your Input.” (posted February 28); “DBIO’s New Information Ethics Ambassadors and You.” (February 28); “In a City That Never Sleeps, An Institution That Stayed Awake to Opportunity: The Grey Literature Report from the New York Academy of Medicine.” (posted March 14); “Needed: Your Feelings About Professional Ethics and SLA.” (posted April 14); “DBIO Strategic Planning & You” (posted April 14); “Evidence-Based Nursing” (posted May 27).

**Worrell, Diane F.** “Pryor Center Celebrates New Director and Board.” *Dialogue: The Newsletter of the Oral History Section of the Society of American Archivists* 3:2 (Summer 2007): 5-6.

## **REVIEWS**

**King, Michele** (Cataloging Acquisitions). *The Absolutely True Diary of a Part-time Indian*, by Sherman Alexie. New York: Little, Brown, 2007, for the Gustavus Myers Center for the Study of Bigotry and Human Rights in North America.

## **ABSTRACTS**

**Jones, Phillip** (Head, Reference). Abstracts of four articles from *Arkansas Historical Quarterly* 65:2 (Summer 2006), five articles from *Arkansas Historical Quarterly* 65:3 (Autumn 2006), five articles from *Arkansas Historical Quarterly* 65:4 (Winter 2006), four articles from *Arkansas Historical Quarterly* 66:1 (Spring 2007), and ten articles from *Arkansas Historical Quarterly* 66:2 (Summer 2007) in *America: History and Life* database.

## **PRESENTATIONS**

**Andrea Cantrell.** Presenter. A Odd Manuscript Collections in Arkansas Archives, Arkansas Historical Association Conference, Eureka Springs, March 28.

**Tom W. Dillard.** Presenter. “A Visual Overview of Arkansas Landscape History,” Workshop hosted by the Washington County Historical Society, June; co-presenter with Timothy G. Nutt. “More Than Asking Questions: An Introduction to Oral History Interviewing.” Arkansas Library Paraprofessionals (ALPS) Conference, Mt. Magazine, AR., May 13; co-presenter with Timothy

G. Nutt. "The Enemies of History: Overcoming the Threats to our Historical Documents." Arkansas Library Paraprofessionals (ALPS) Conference, Mt. Magazine, AR., May 13; presenter. "Enemies of History." Fayetteville Public Library, October 20; co-presenter with Felicia Thomas. "Conducting Oral History Interviews." Fayetteville Public Library, October 20.

**Usha Gupta, Elizabeth McKee, and Lutishoor Salisbury.** 2007. "User Preferences for Information Sources," Arkansas Library Association," Hot Springs, Arkansas, September 11.

J. B. Carver and **Patricia Kirkwood** (Collection Development), Co-Presenter, "Untangling the Chemical Information Pricing Web." American Chemical Society National Meeting, New Orleans.

**Lora Lennertz Jetton** (Performing Arts & Media) and **Necia Parker-Gibson** (Reference and Collection Development). Presenters, "Lights, Camtasia, Action: Cooperative Development of Online Tutorials in an Academic Library." Arkansas Library Association conference, Hot Springs, September 10; and **Necia Parker-Gibson** (Reference and Collection Development). "Outwit, Out-teach, Out-train: Just in Time Tutorials in Camtasia." *Survivor: Outshelve, Outcatalog, Outserve* Arkansas Library Paraprofessionals conference (ALPS), Mt. Magazine State Park, May 13.

**Timothy G. Nutt.** Presenter, "Selected Materials from the Daisy Bates Papers," Little Rock Central High School National Historic Site, Little Rock, AR., February 18; co-presenter with Diane Worrell. "Preserving Your Family Photographs," Fayetteville Public Library, Fayetteville AR., October 20; co-presenter with Tom W. Dillard. "More Than Asking Questions: An Introduction to Oral History Interviewing." Arkansas Library Paraprofessionals (ALPS) Conference, Mt. Magazine, AR., May 13; Co-presenter with Tom W. Dillard. "The Enemies of History: Overcoming the Threats to our Historical Documents." Arkansas Library Paraprofessionals (ALPS) Conference, Mt. Magazine, AR., May 13.

**Lutishoor Salisbury.** "The Role of the NSF/National Science Digital Library in the Dissemination of Science, Technology, Engineering and Mathematics Information and in Support of Innovations in Teaching and Learning." Presented at the 2007 joint annual meeting of ADSA, PSA, AMPA and ASAS meeting, San Antonio, TX, July 9.

**Lutishoor Salisbury.** "Using Web of Knowledge to Study Faculty Publishing and Citation Patterns." Presented at the AERO Conference, Davis, CA, October 12.

**Lutishoor Salisbury.** "Science User Preference for Information Sources." Presented at the lightning talk session, NSF/NSDL national meeting, Washington DC, November 8.

**Lutishoor Salisbury.** (with Carolyn Mills, University of Connecticut). "Journal Analysis Tools and the Impact of BioOne Journals." Presented at the BioOne Partners meeting, Washington DC, April 12.

**Lutishoor Salisbury.** “Faculty Response to Internet-based Teaching Aids: A Case Study at the University of Arkansas.” Paper presented at the 11<sup>th</sup> USAIN Biennial Conference, Wooster, OH, April 29.

**Lutishoor Salisbury.** “Study of Food Science Faculty Publications to Identify Users’ Needs and Use of Research Materials.” Paper presented at SLA/FAN Contributed Papers Session, Seattle, WA, June 15.

**Lutishoor Salisbury.** “Finding Scholarly Resources in Science (chemistry, physics and biology): An Information Literacy Tutorial.” Presented at two sessions to participants at the Arkansas IMBRE conference, November 9.