



## DECEMBER 2015 NEWSLETTER

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### Homecoming 2015: Under the Big Top with Ogden

Ogden College celebrated Homecoming along with the 50th anniversary of the College in a big way this past November.

The festivities began with the Homecoming Parade Friday evening. Ogden College represented well with the “Grill and Drill” crew who possessed top notch accommodations atop a float built by Staff Engineer Ron Rizzo and Engineering Technician Jason Wilson. Engineering Department Chair Dr. Julie Ellis designed a beautiful “throne” for Ogden Dean Dr. Cheryl Stevens. Burgers were grilled by Dr. Bruce Kessler of the Math Department and Lisa Wood, Dean’s Office Coordinator. At the end of the parade, the burgers were shared with the crowd downtown in Fountain Square.



On Saturday Ogden College alumni, students, faculty, and staff gathered on South Lawn to tailgate before the football game. Due to the

**story continued on page 3**

*Above: Dr. Bruce Kessler, Lisa Wood, and Dr. Greg Arbuckle grill on the Ogden Homecoming float; photo by Clinton Lewis*

*At left: Ogden College Dean Cheryl Stevens rides on the float during the parade*

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## Alumni Focus: Jane Chappell

Jane Chappell has devoted her entire 30+ year professional career to Raytheon Intelligence and Information Systems. She has served in a variety of positions at the company and currently holds the title of Vice President of Business Development and Strategy.



In 2008 she was presented the Raytheon CEO Award. This distinction honors employees who have exemplified the company's core values and delivered exceptional results. The candidates are nominated by members of the Raytheon Leadership Team.

Chappell earned a Bachelor of Science degree in Computer Science and Mathematics from WKU's Ogden College of Science and Engineering in 1983, summa cum laude.

*At left, Jane Chappell talks with Krista Steenbergen of WKU at the Women In Science and Engineering Meeting.*



A Campbellsville, KY native, Ms. Chappell now resides in Parker, Texas with her husband Henry who is also an Ogden College alumnus ('82). They have two daughters, Sarah and Jamie.



## Research Highlight

The Kentucky Academy of Science Research Competition took place at the 101st annual meeting held November 13-14 at Northern Kentucky University. WKU undergraduate and graduate students represented the university well with several earning top honors in their categories.



### Oral Presentations

3rd place	Joe Hood	Agricultural Sciences
3rd place	Brett Maxwell	Agricultural Sciences
2nd place	Christopher Fields	Cellular & Molecular Biology
3rd place	Cory Owens	Chemistry
1st place	Jason Payne	Chemistry
3rd place	Aubrey Penn	Chemistry
3rd place	Thulitha Abeywickrama	Chemistry
1st place	Ka Wai Kwong	Chemistry
1st place	Jacob Wilkins	Geography
2nd place	Andrew Davis	Mathematics
2nd place	William Hamilton	Physiology & Biochemistry
1st place	Anu Kini	Physiology & Biochemistry

### Poster Presentations

1st place	Haleh Jeddi	Chemistry
1st place	Thomas Gregory	Microbiology

WKU's chapter of Alpha Epsilon Delta (AED) inducted 28 new members on Monday evening, November 9.

Alpha Epsilon Delta is the national Health Pre-professional Honor Society dedicated to the encouragement and recognition of excellence in pre-professional health scholarship, including medicine, dentistry, veterinary medicine, physical therapy and others.

The Kentucky Gamma Chapter at WKU was established in 1968 and has inducted over 1,000 members over its 47 years on the Hill. The fall semester inductees are at right.



## Student

Shaumik Alam  
MacKenzie Armstrong  
Enes Atici  
Madeline Blankenship  
Katlyn Clark  
Rose Damron  
Luke Gaskin  
Emily Hamilton  
Carley Jackson  
Loren King  
Eliot Law  
Christopher McDaniel  
Matthew Millay  
Hayley Moss  
Sanida Palavra  
Sarah Parks  
John Reynolds  
Millicent Ronkainen  
Katherine Settle  
Lindsey Shain  
Sally Smith  
Isaac Stevens  
Evelyn Suter  
Amy Teta  
Jessica Vaughan  
Mallory Vaughan  
Brittany Ward  
Aaron Zellers

## Hometown

New York, NY  
Carmi, IL  
Bowling Green, KY  
Russell Springs, KY  
Auburn, KY  
Lexington, KY  
Russell Springs, KY  
Richmond, KY  
Corbin, KY  
Owensboro, KY  
Owensboro, KY  
Bowling Green, KY  
Bowling Green, KY  
Campbellsville, KY  
Bowling Green, KY  
Bowling Green, KY  
Murfreesboro, TN  
Hodgenville, KY  
Owensboro, KY  
Bardstown, KY  
Hopkinsville, KY  
Sturgis, KY  
O'Fallon, MO  
Louisville, KY  
Bowling Green, KY  
Bowling Green, KY  
Gallatin, TN  
Leitchfield, KY

**Homecoming 2015** (continued from page 1)

early game time, attendees enjoyed a delicious breakfast.

*Below: Ogden Ambassadors Connor Brooks, Brent Harney, and Jessica Anderson enjoy tailgating at the Ogden tent before the football game.*



*Above: Dr. Paul Woosley of Agriculture drives the tractor pulling the Ogden float during the homecoming parade.*

*Below: Robin Ayers of the Math Department leads the Ogden parade float as the ringmaster.*

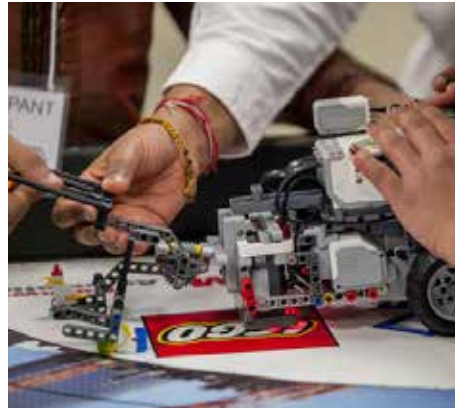




## WKU Hosts FIRST LEGO League Tourney



Photos by WKU photographer Bryan Lemon.



WKU hosted the Regional FIRST LEGO League Qualifying Tournament on November 21st at WKU's Carroll Knicely Conference Center. Nine teams competed for the chance to advance to the state championship which will be held at Northern Kentucky University on 2/6/16.

The theme for this year was "Trash Trek Challenge." Each team identified a problem with the way we make or handle trash, created a solution to that problem, and shared their solution with others. Teams were judged on robot performance, the project, and the First Lego League Core Values consisting of enthusiasm, inspiration, partnership, and respect for others. Congratulations to all of the winners!

### FIRST LEGO League Award Winners

Champions Award - Robocats  
 Project Award - Kick Your Bots  
 Robot Design Award - Cougar Bots  
 Robot Performance Award - HMMS1  
 Core Values Award - BGJHS Robotics  
 Advancing to the State Championship at NKU on 2/6/16:  
 Robocats and HMMS1

### Upcoming Events:

**3/12/16**  
**Regional Bridge Building Competition**

**4/23/16**  
**Science Olympiad**

## STEMShot!

Ogden College along with the Green River Regional Educational Cooperative hosted the 2nd annual STEMShot! rocketry competition for area students in grades 4-12. The event was held at WKU's Center for Research and Development.

STEMShot! is a compressed air rocketry competition giving the students the opportunity to engage in a challenging real-world problem based activity designed to enhance students' critical thinking skills and understanding of next generation science content.

The Green River Regional Educational Cooperative provides professional learning opportunities to teachers and administrators with the purpose of increasing student success.

photo below by Clinton Lewis



Check out the new  
 Ogden Outreach webpage!  
 Visit [www.wku.edu/ogden](http://www.wku.edu/ogden) and  
 click on **Ogden Outreach**.

## Students Assist at Augusta National

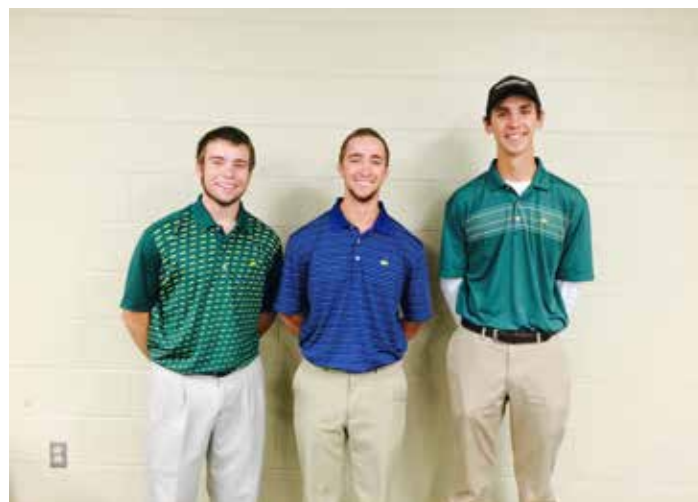
Students from WKU's Turfgrass Management Program were invited by Augusta National to assist in the course's annual overseeding project. Luke Headley, Brooks Bennett, and Landon South spent a week at the course this past September. Augusta National hosts the Masters, the most prestigious golf tournament in the world.

Each fall the entire course must be overseeded with perennial ryegrass in preparation for the tournament taking place in April. The students enjoyed being out on the course and say watching the Masters this spring will hold a different meaning. Additionally, they enjoyed the networking opportunities with the Augusta staff, volunteers from other courses, and fellow turfgrass management students.

Students were most surprised by the confidentiality agreement required by the course. No phones were allowed on the course; nor were the students allowed to take pictures of the course, facilities, or the club house. Also, they are not allowed to discuss many of the management practices they witnessed or in which they participated. They tried to get a group photo next to a small sign by the road in order to prove they did take part in the event, but were quickly escorted away from the sign by security. The mystery of Augusta National continues to live on.




*At left and below: Ag students pick pumpkins from the pumpkin patch on WKU's farm this past October.*



*Pictured left to right are Brooks Bennett, a junior from Elizabethtown, KY; Luke Headley, a junior from Grand Rapids, MI; Landon South, a senior from Bowling Green, KY*

**FACULTY-LED STUDY ABROAD** **Ecuador**



**SPRING 2018: MARCH 2-11**

**Agriculture at the Equator**  
AGRI 475/475G

**Led by Linda Brown & Roger Dennis**

Gain an appreciation for the land and climate of Ecuador. Study the political, religious, and cultural issues that affect the agriculture sector, as well as the country's relationship with the global community.

[WKU.EDU/GO/ECUADOR](http://WKU.EDU/GO/ECUADOR)

**WKU**

FACULTY-LED STUDY ABROAD | A unit of DELO



# Distance Learning Model Offers Flexibility

by Tanja Bibbs

Adult learners in the region have an even more flexible option to expand their education in the advanced manufacturing area through a new model at WKU. The new model is a modularized competency-based distance learning approach, which measures learning rather than the amount of time students spend in a classroom.

The first competency-based program will be a bachelor of science degree in Advanced Manufacturing, which is a bachelor completion program for students with an associate degree in science from a Kentucky Community & Technical College System (KCTCS) school. The program will officially launch Dec. 1.

"Through this program, students gain the tools necessary to apply basic engineering principles and advanced manufacturing skills to support industrial operations," said Architectural & Manufacturing Sciences Department Chair Dr. Greg Arbuckle.

The program is offered through a partnership between the Division of Extended Learning & Outreach (DELO) and the Department of Architectural & Manufacturing Services (AMS). WKU is part of Kentucky Commonwealth College, a consortium of public institutions dedicated to expanding opportunities for adult learners.

"This competency-based program enhances WKU's distance learning opportunities," said Julie Uranis, Director of Distance Learning at WKU. "We are committed to making higher education more accessible to everyone throughout the region, and this new approach provides an additional option for adult students."

Students are able to complete coursework based on the timeline they choose. The program is offered through WKU On Demand, which means students can begin classes whenever they choose and com-

plete assignments according to their own calendar.

"Through this approach, students progress through their program at their own pace, as they prove their knowledge and skills required for the course," Arbuckle said. "It's not only flexible, but it's ideal for students who want to increase employment opportunities within the advanced manufacturing industry."

Students complete coursework online and gain practical experience through on-site labs at WKU.

"Degree completion combined with practical experience can open new job opportunities for students enrolled in this program," Arbuckle said. "And the flexibility this type of format offers makes it more attainable for students who are juggling personal and professional commitments."

To watch a video that explains competency-based learning or to learn more about this completion degree program, visit [www.wku.edu/amsondemand](http://www.wku.edu/amsondemand).



The WKU chapter of Habitat for Humanity is participating in a Collegiate Challenge in Winston-Salem, North Carolina after the fall semester finals week. Drs. Bryan Reaka, Jack Rudolph, and six students will be participating in the house build.



Dr. Muhammad Jahan and Big Red pose for the camera at the Discover WKU event held September 9, 2015.



Visit us at [www.facebook.com/AMS.WKU](http://www.facebook.com/AMS.WKU)

**DID YOU KNOW? Ogden College is offering THREE Faculty-Led Science Study Abroad Courses to South Africa Summer 2016**



**Courses Offered**

- Ecology and Management of African Wildlife (the game capture course)
- Animal Behavior
- Selected Topics on African Wildlife Research

Courses led by Dr. Bruce Schulte and Dr. Mike Stokes in Biology and Dr. Fred DeGraves in Agriculture.

INTERNATIONAL TEAM ON SOUTH AFRICA  
SINCE 2006



**For more information, email the Biology office: [biology@wku.edu](mailto:biology@wku.edu)**

Dr. Bruce Schulte, pictured below, presented the keynote address on *"The Benefits of Understanding Elephant Behavior"* at the 36th annual meeting of the Elephant Managers Association (EMA) held October 11-14 in Nashville, TN.

WKU Biology graduate student Chase LaDue also gave a presentation on his thesis research titled *"Using pheromones for conservation and enrichment: Chemosignaling and concentration effects in Asian elephants."*

The EMA is an international or-



ganization dedicated to the care, comprehension, and conservation of Asian and African elephants. The EMA promotes sound management of and research on elephants.

Drs. Rodney King and Claire Rinehart recently received a \$10,000 award from the Howard Hughes Medical Institute to support WKU students engaged in Genomics research. This is the second year that WKU has been granted this award.

Students in the Genome Discovery and Exploration class isolate and characterize unique viruses from the environment. These students then take the Bioinformatics course and learn how to annotate newly sequenced viral genomes. This unique hands-on, inquiry based program was initiated by the Howard Hughes Medical Institute's Science Education Alliance and is designed to engage new undergraduates in the process of doing scientific research.

Drs. Ajay Srivastava, Noah Ashley, and Cheryl Davis attended the Southeast Regional

IDEA conference in Biloxi, MS on November 11-13. The meeting brings together the regional INBRE and COBRE programs.

Dr. Srivastava presented a poster on his research titled *"Regulation of Air Sac Primordium Development by a Cathepsin-L in Drosophila melanogaster"* in the Biomedical Science category. Dr. Noah Ashley and his students Audrey Brown and David Sams presented their research poster titled *"Sleep Disturbance and Inflammation: A Role for Stress Hormones?"* in the Neuroscience category.



Visit us on Facebook at [www.facebook.com/WKU-Department-of-Biology](http://www.facebook.com/WKU-Department-of-Biology)

*Pictured below*

*Top: Drs. Ajay Srivastava and Noah Ashley  
Bottom: Students David Sams and Audrey Brown by their research poster*







Sarah Linder is met with wide stares and raised eyebrows when she reveals to people that she is an Art History major who also happens to be minoring in chemistry. A career in Art Restoration lies in her future, and Sarah knows the important role science plays in achieving her goal.

Sarah has always loved art but states, "I take more pleasure in enjoying others' creations than making my own." Math and science also stood out in her mind as possible career field choices, but she just didn't see herself in the medical or education fields.

Standing in many museum galleries throughout her lifetime inspired Sarah. "Objects are made to last, but there is only so much a piece of art can endure through history." The field of Art Restoration slowly revealed itself, and Sarah saw the perfect opportunity to mesh her love of art with her interest in science.

Sarah plans on attending graduate school after her time at WKU. Then she will narrow her focus into what type of art she wants to restore. "Although most of my career path is still unclear to me, I am excited about the opportunities WKU and these two strong departments have presented to me."

Each year an outstanding Chemistry graduate student is honored with the McNally Fellowship, which honors those who have excelled during their first year of graduate work.



Above: Dr. Hemali Rathnayake, Dr. Stuart Burris, and honoree Paige Huzyak.

This year's recipient of the McNally Fellowship is Paige Huzyak. She is currently enrolled in the joint BS/MS program under the supervision of Dr. Hemali Rathnayake. Congratulations, Paige!

Chemistry undergraduate student and Gatton Academy alumnus Dana Biechele-Speziale received an EPA Greater Research

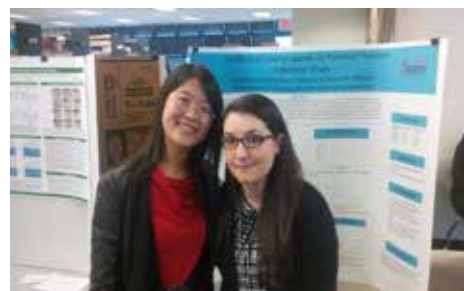
Fellowship award. This honor comes with a \$50,000 undergraduate scholarship which provides tuition, a paid internship, research funding, and a stipend. Congratulations, Dana, on receiving this award!

Dr. Moon-Soo Kim participated in the 2015 microTAS conference held October 25-29 in Gyeongju, Korea. She presented Kim lab research on developing a novel sensing system for detection of pathogens in collaboration with Dr. Anh's Microsystems and BioMEMS Lab in the University of Cincinnati. Each year over 900+ scientists and professionals engage

in research on and the use of integrated microsystems and nanotechnology for chemistry and life sciences attend the conference.

Dr. Jeremy Maddox recently received an NSF KY EPSCoR REG award to develop a new numerical methodology for modeling molecular potential energy surfaces. The project will support up to three students during January through June, 2016. Students with an interest in a research experience at the nexus of chemistry, mathematics, physics, and computer programming are encouraged to contact Dr. Maddox ([jeremy.maddox@wku.edu](mailto:jeremy.maddox@wku.edu)).

Pictured below: Chemistry students presenting at the 101st annual meeting of Kentucky Academy of Sciences held November 13-14 at Northern Kentucky University.





The ACM (Association for Computing Machinery) Mid-Southeast Conference was held in Gatlinburg, TN, November 12-13. Students attending the conference are pictured at right.

The Association for Computing Machinery is an international scientific and educational organization dedicated to advancing the arts, sciences, and applications of information technology. ACM functions as a locus for computing professionals and students working in the various fields of information technology.



Posters were presented at the conference by the following WKU students:

Christopher Goulet - *Infrastructure as a Service Cloud for Education*

Pezhman Sheinidashtegol - *Cloud Security*

Travis Brummett - *Building a Middleware for a Vertical Cloud Architecture*

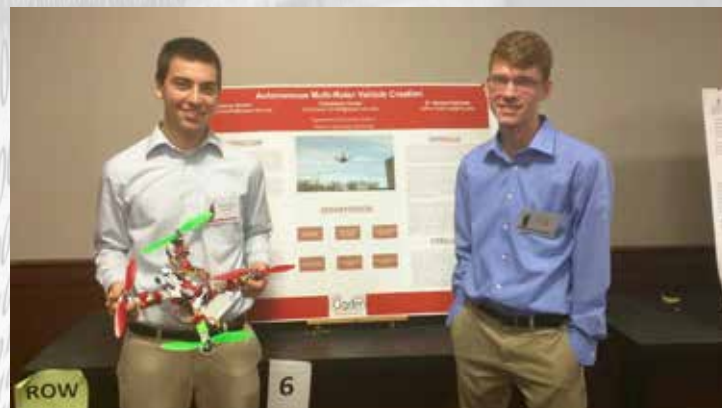
Caleb Ogbonnaya and Brody Bruns - *Smart Home Simulator Development*

All posters were mentored by Michael Galloway.

## First Place Winners

A presentation was given by students Christopher Goulet and Connor Brooks titled *"Towards an Indoor Autonomous UAV Using a Subsumption Architecture."* The students earned first place out of 36 submissions with their presentation. Dr. Michael Galloway supervised the students' efforts.

See what we're up to! Visit us on Facebook at [www.facebook.com/pages/WKU-Computer-Science-Dept](http://www.facebook.com/pages/WKU-Computer-Science-Dept)



Students Christopher Goulet and Connor Brooks with their first place poster presentation *"Towards an Indoor Autonomous UAV Using a Subsumption Architecture."*

Representatives from Eezy.com talk with ACM (Association for Computing Machinery) members about careers and internships available at the company.



## Engineering Hosts 16th Annual Robotics Contest

The Department of Engineering conducted the 16th annual Kentucky Bluegrass Robotics Competition on Saturday, November 7th.

This outreach event provides secondary school students with a challenging engineering design problem to solve. School faculty and mentors are able to use the team project as an example of engineering principles.



Thirteen teams from ten high schools across Kentucky were able to achieve the project goals with well over 100 students, coaches and supporters filling the WKU Engineering and Biological Sciences McConnell lab. The competition theme "Moving On" required teams to build a robot using nearly \$1,000 worth of motors, controls and construction materials provided by WKU. The teams built robots that were capable of navigating around obstacles in order to collect items from the playing field. Teams competed directly against each other for limited resources to capture and place in designated areas. Teams were also judged on the quality of their device documentation and the cost effectiveness of their devices.

The Spencer County High School team won the event. Teams from Nelson County and Johnson Home School finished second and third, respectively, in the competition.

- photo above by WKU photographer Clinton Lewis

Congratulations to senior Electrical Engineering major Aaron Hall (below) who was awarded a \$2,000 scholarship from IEEE Power and Energy Society.



The KY Transportation Cabinet is offering civil engineering scholarships! The Cabinet is accepting applications for its Civil Engineering Scholarship and Civil Engineering Technology Scholarship programs. Application deadline is February 1st. Visit <http://transportation.ky.gov/Education/Pages/Scholarships.aspx> for more information and links to applications.

Engineering's own Department Chair Dr. Julie Ellis was recently featured in the "Talk of the Town" section of the *Bowling Green Daily News*. To view the segment please visit:

[http://www.bgdailynews.com/community/talk-of-the-town-q-a-with-julie-ellis/article\\_985360ffc7e2-557a-8778-22fde7898cc4.html](http://www.bgdailynews.com/community/talk-of-the-town-q-a-with-julie-ellis/article_985360ffc7e2-557a-8778-22fde7898cc4.html)





## Group Attends Annual Kentucky GIS Conference

Students, faculty and alumni attended the GIS Conference October 12-14 at the Owensboro Convention Center to share thoughts on new developments and best practices in geographic information systems. The conference is hosted each year by the Kentucky Association of Mapping Professionals (KAMP).

"Unmanned Aerial Vehicles, or UAV, was the topic of discussion at this year's conference," said Kevin Cary, Director of WKU's Center for GIS. "UAV's are used for collecting data for a GIS, whether it be elevation of the land or air photos. The future of UAV's includes flying through sewage pipes and hallways as well as relaying WiFi or cell phone signals among distant towers in a controlled airspace."

Student Ryan Uthoff (pictured above right) received the KAMP GIS scholarship from KAMP President Lance Morris and his advisor, Kevin Cary, at the conference.

Attendees, pictured below, were Scott Dobler, Eric Anderson, Beau Spencer, Ryan Uthoff, Kevin Cary and Keith Koerner.

*photo by Kevin Cary*



*photo by Christy Powell*

Dr. Stuart Foster, Dr. Rezaul Mahmood, and Megan Schargorodski participated in the Midwest Mesonet Workshop hosted by the Midwestern Regional Climate Center in Champaign, Illinois on September 28-29. The workshop engaged mesonet operators, along with providers and users of weather and climate services from across the region to discuss challenges and opportunities associated with developing, operating and marketing mesonets.

Dr. Stuart Foster was an invited speaker at the Kentucky Association of Electric Cooperatives' Member Services Association meeting held in Lexington on October 23rd. His presentation highlighted Kentucky's climate, past and projected as well as provided an overview of the Kentucky Mesonet.

Geoscience graduate Ann Epperson, pictured below, was honored as an inaugural inductee to the WKU Libraries Open Access Hall of Fame. Her thesis titled "Internet GIS as a Historic Place-Making Tool for Mammoth Cave National Park" has received 15,000 downloads from TopScholar, the WKU research and creativity database - more downloads than for any other WKU thesis. Ann's thesis was also the one millionth download from TopSCHOLAR.



## 35th Annual Math Symposium

The 35th Annual Mathematics Symposium was held November 13-14 in Snell Hall. The event featured keynote speaker Professor Henry Segerman from Oklahoma State University (pictured at left) who gave a talk titled *"Design of 3D Printed Mathematical Art."* The two day event was sponsored by Ogden College, the Carol Martin Gattton Academy of Mathematics & Science, and the Math Department.



Above: Professor Henry Segerman giving his presentation during the Mathematics Symposium.

Above: Math alumni on the "career" panel during the Mathematics Symposium.



Congratulations to Molly Dunkum (above) who was named a Faculty Collaborative Fellow by the Council on Postsecondary Education for this academic year and next. Only two faculty from across the state were named. The award carries an honorarium and travel money to participate in the 10-state Faculty Collaboratives project.



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[www.facebook.com/wkumath](http://www.facebook.com/wkumath)

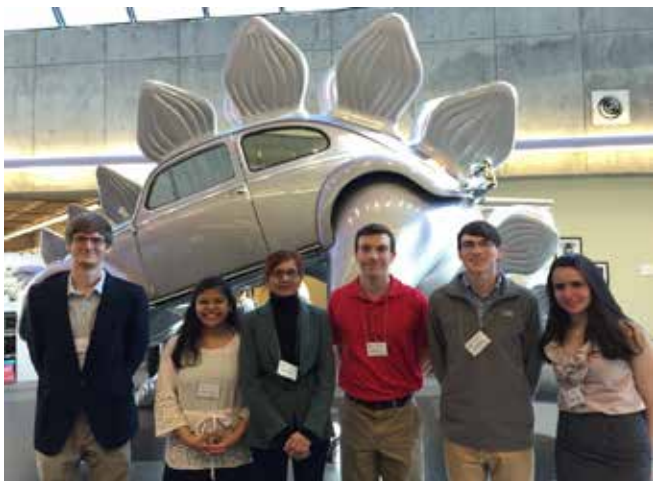
Below and at right: Math senior Matthew Riggle presents *"Returning to the Fold: Mathematical Applications and Demonstrations in Origami"* for the WKU Math Club.



Like **Free Food?** Like **Movies?** Like **Math?** Like **Fun?**  
Then, like, come join us for **MATH MOVIE NIGHTS!**

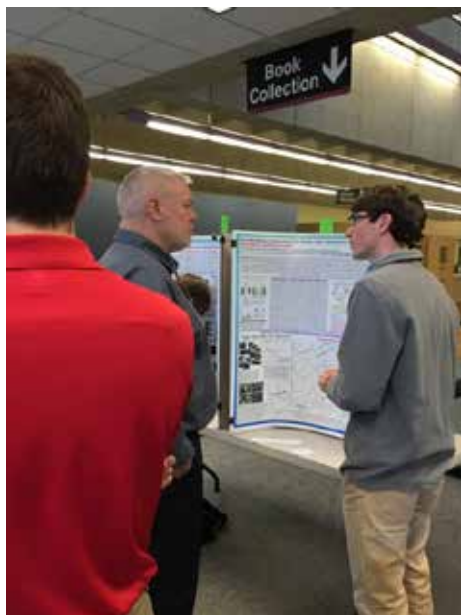
See our Facebook page for days and times: [facebook.com/wkumath](http://facebook.com/wkumath)  
Sponsored by WKU Math Club and Pi Mu Epsilon





## 101st KAS Annual Meeting at Northern Kentucky University

The Annual meeting of the Kentucky Academy of Science was conducted November 13-14 at Northern Kentucky University. The group photo at left features (left to right) Benjamin McDonald, Sara Corrizosa, Professor Sanju Gupta, Jared Walden, and Rebecca Wood. These students all gave presentations at the meeting which were mentored by Dr. Sanju Gupta (see photos below).



Dr. Ali Er (at left) received the American Chemical Society Petroelum Research Fund New Investigator Grant. The title of Dr. Er's project is "*Laser-Induced Hydrogen Generation from Coal Powder in Water and its Time-Resolved Pump Probe Investigation.*"



**"Celebrations for a Long  
Winter's Night"**

Show runs until 1/23/16.

For show days and times visit:  
[www.wku.edu/hardinplanetarium](http://www.wku.edu/hardinplanetarium)

Students of Dr. Amy Brausch attended the Association of Behavioral and Cognitive Therapies Annual Convention in Chicago, IL. This convention is a large conference for clinical psychologists in academia.

Students presenting posters at the convention included the following:

Kandice Perry  
Amanda Williams  
Natalie Perkins  
Emily Cox  
Paula Floyd  
Mandi Martin  
Jordan Bates

Mandi Martin, a senior Psychological Science major graduating this December, was one of three finalists for the Ogden Foundation Scholar Award.



Dr. Stephen O'Connor, pictured above, was recently featured in an episode of Kentucky Outlook which addressed suicide. The episode highlighted a survivor of suicide who lost her brother ten years ago. Dr. O'Connor discussed the topic of suicide and prevention efforts. The episode aired in September on WKU-PBS. To see the segment, visit the following link: <https://youtu.be/W54rT55h0qA>



*Dr. Brausch presenting a poster with students Kandice Perry and Jordan Bates. Kandice is a second year graduate student in the Psychological Sciences MS program and Jordan graduates in May 2015 with a B.S. in Psychological Sciences.*



*Second year graduate student Amanda Williams of the Psychological Sciences MS program presents a poster with Dr. Brausch.*

**The WKU  
Children and  
Families Lab  
needs  
your help!**



We are recruiting families who are expecting or have infants less than four months of age to participate in a project examining social and emotional development during early infancy. Mothers, fathers, and infants will come to the Children and Families Lab (located on WKU's campus in Gary Ransdell Hall) three times to participate in a variety of different tasks. Parents will also complete questionnaires about themselves and their infants. Families will be compensated \$20 each time they participate.

Contact the Children and Families Lab by phone at 270-745-4275 or e-mail [childrenandfamilieslab@gmail.com](mailto:childrenandfamilieslab@gmail.com) for more information.

 Visit us on Facebook at [www.facebook.com/PsychologicalSciencesatWKU](https://www.facebook.com/PsychologicalSciencesatWKU)



## ***First Time Grant Awardees***

Fred Degraives, Agriculture  
Josh Durkee, Geography & Geology  
Chandra Emani, Biology (Owensboro)  
Dominique Gumirakiza, Agriculture  
Morteza Nurcheshmeh, Engineering  
Amber Schroeder, Psychological Sciences

## ***\$1 Million Club***

*in recognition of the faculty and staff members with \$1 million or greater in awards throughout their careers at WKU*

Rodney King, Biology  
Yan Cao, Chemistry  
Cate Webb, Chemistry  
Jason Polk, Geography & Geology  
Michael Smith, Biology

## ***\$5 Million Club***

*in recognition of the faculty and staff members with \$5 million or greater in awards throughout their careers at WKU*

Nahid Gani, Geography & Geology

## ***Most Prolific Proposers for 2015***

Xingang Fan, Geography & Geology  
Muhammad Jahan, Architectural & Manufacturing Sciences  
Matthew Shake, Psychological Sciences  
Ajay Srivastava, Biology  
Cate Webb, Chemistry  
Bangbo Yan, Chemistry  
Michael Carini, Physics & Astronomy  
Vladimir Dobrokhoto, Physics & Astronomy  
Chandra Emani, Biology (Owensboro)  
Dominique Gumirakiza, Agriculture  
Eric Rappin, Geography & Geology  
Michael Smith, Biology  
Kevin Williams, Chemistry  
Ali Er, Physics & Astronomy  
Rezaul Mahmood, Geography & Geology  
Bruce Schulte, Biology  
Yan Cao, Chemistry  
Raja Dakshinamurthy, Chemistry  
Matthew Nee, Chemistry  
Sanju Gupta, Physics & Astronomy  
Hemali Rathnayake, Chemistry

## ***Early Investigators Awards***

Noah Ashley, Biology  
Fred Degraives, Agriculture  
Chandra Emani, Biology (Owensboro)  
Nahid Gani, Geography & Geology  
Muhammad Jahan, Architectural & Manufacturing Sciences  
Moon-Soo Kim, Chemistry  
Leslie North, Geography & Geology  
Morteza Nurcheshmeh, Engineering  
Stephen O'Connor, Psychological Sciences  
Dominique Gumirakiza, Agriculture