

Curriculum Vitae: 2014

Joseph G. Meert

(Updated February 2014)

Current Position

2012-present Professor of Geological Sciences, University of Florida, Gainesville, FL

Present Address

Department of Geological Sciences

University of Florida

355 Williamson Hall

Gainesville FL 32611

Phone: 352-846-2414

Fax: 352-392-9294

e-mail: jmeert@ufl.edu

Educational Background & Work History

2006-2012: *Associate Professor of Geological Sciences, University of Florida, Gainesville, FL*

2002-2006: *Assistant Professor of Geological Sciences, University of Florida, Gainesville, FL*

1999-2001: *Associate Professor of Geology-Tenure, Indiana State University, Terre Haute, IN*

2001-2001: *Visiting Professor, Universite Paul Sabatier, Toulouse, France*

2000-2001: *Fulbright Senior Scholar, Trondheim Norway, Norwegian Geological Survey*

1994-1999: *Assistant Professor of Geology, Indiana State University, Terre Haute, IN*

1993-1994: *Research Fellow, University of Michigan, Ann Arbor, MI*

1988-1993: *Ph.D. Geology, University of Michigan, Ann Arbor, MI*

Summer 1991: *Summer Intern, Amoco Oil Corporation, Houston, TX*

1987-1988: *M.S. Geology, University of Florida, Gainesville, FL*

1982-1986: *B.S. Geology, University of Florida, Gainesville, FL*

Professional Societies

American Geophysical Union; Geological Society of America ;Sigma Xi;National Center for Science Education; Sigma Gamma Epsilon: National Earth Honor Society; International Association for Gondwana Research; Gondwana Institute for Geology and Environment; Florida Citizens for Science, Aircraft Owners and Pilot's Association

Professional Service

Precambrian Research: Editorial Board Member 1996-2012

Central European Journal of Earth Sciences Editorial Board 2012-

Geology-Editorial Board 2004-2009

Co-Editor: Precambrian Research Special Issue (Summer 2001) on the Assembly of Rodinia

Co-Editor: Timescales of the Paleomagnetic Field (Fall 2004) AGU Geophysical Monograph Series

Associate Editor: Gondwana Research (1999-present)

Chief Editor: Gondwana Newsletter (2001-2006)

GSA PEPP Program Member 1994-1998

IGCP Project 440: Assembly of Rodinia, Member of Paleomagnetic Research Group
State of Indiana Core 40 Environmental Science Standards team
IRIS Consortium- Assistant Director University of Florida:2008-2010
Florida Citizens for Science: Vice Chair 2006-2008
Geological Society of America: Student Grants Committee 2007-2009.
NDSEG Student Grants Committee 2007-2011
NSF Graduate Research Fellow Review Committee 2010-2011
SMART Fellowship Review Committee 2011
Co-Organizer Geological Society of America Pardee Symposium 2007.
Geological Society of America National Meeting Organizing Committee 2009-2011.
Reviewer National Research Council Report "Scientific Ocean Drilling: Accomplishments and Challenges", 2011

Awards/Recognition Received

1998: Excellence in Education Award, Indiana State University, Terre Haute, IN
2000-2001: CIES Fulbright Scholarship to Norway
2001: Academie de Toulouse, Universite Paul Sabatier, Toulouse, France: Visiting Professorship
2005: "A synopsis of events related to the assembly of East Gondwana" was noted by ISI referencing service as a "highly cited paper".
2008: Named Allan R. and Margaret G. Crow Term Professor at University of Florida
2010: Named Fellow Geological Society of America

University Service (selected, complete available upon request)

1998-2000: Senator, Faculty Senate (Indiana State University)
1997-2000: General Education Council, Member (Indiana State University)
1999-2001: Teacher Education Committee (Indiana State University)
1997-2000: Lilly Program Enhancing the First Year Experience (Indiana State University)
1994-1995: Academic Affairs Committee Member (Indiana State University)

Departmental Service (University of Florida Only)

2003-present: Executive Committee
2003-present: Undergraduate Advisor
2004-present: Undergraduate Curriculum Committee Chair
2003-2004: Served on 2 faculty search committees
2004-present: Undergraduate Field Camp Director

Courses Taught

GLY2100: Historical Geology (University of Florida)
GLY2010: Introductory Physical Geology (University of Florida)
SLS1102: First Year Florida, Fall 2002. (University of Florida)
GLY1000: Introduction to Geology (University of Florida)
GLY4750: Introduction to Field Methods (U. Florida)
GLY4790: Field Camp (U. Florida held in Taos New Mexico)
GLY5455: Introduction to Geophysics (U. Florida)

Science 101: How to think about Weird Things (Indiana State University)

Structural Geology and Lab (Indiana State University)

Computer Methods in Geology (Indiana State University, Course Developed 1996)

Precambrian Tectonics (University of Florida & Indiana State University, Course Developed 1999)

Hydrogeology (Indiana State University)

Introduction to Geophysics (Indiana State University)

University 101: College Survival Skills for Freshmen (Indiana State University)

Introduction to Earth & Sky (Indiana State University)

Mini Course in Plate Reconstruction (Universite Paul Sabatier, Toulouse, France & University of Lund)

Publications (*Student Author; Number of citations in parentheses; (ISI;Scopus;Google Scholar)

(2014)

1. Meert, J.G., Ediacaran-Ordovician paleomagnetism of Baltica: A review, *Gondwana Research*, 25, 159-169. (0,1,1).
2. Meert, J.G., Paleomagnetic investigation of Neoproterozoic intrusions in Madagascar: Pervasive remagnetization and isotopic resetting as a result of final Gondwana assembly, *Precambrian Research*, in prep.
3. Ma, X., Shu, L., Meert, J.G., The fingerprint of Precambrian basement for Chinese central Tianshan: evidence from inherited/xenocrystic zircons of magmatic rocks, *Geological Magazine*, in review.
4. Levashova, N.M., Bazhenov, M., Meert, J.G., Paleomagnetism of Upper Ediacaran clastics from the south Urals: implications for paleogeography of Baltica and the opening of the Iapetus Ocean, *Gondwana Research*, in press.
5. Kuznetsov, N., Meert, J.G., Romanyuk, T., in press. Ages of the detrital zircons (U-Pb LA-ICP-MS) from the latest Neoproterozoic-Middle Cambrian(?) Asha Group, the Southern Urals: A testing of an Australia-Baltica connection within the Rodinia supercontinent, *Precambrian Research*, doi:10.1016/j.precamres.2013.09.011 (0,0,0).
6. Davis, J.K., Meert, J.G., Pandit, M.K., in press. Paleomagnetic analysis of the Marwar Supergroup, Rajasthan, India and proposed interbasinal correlations, *Journal of Asian Earth Sciences*, doi:10.1016/j.jseas.2013.09.027. (0,0,0).
7. Meert, J.G., Strange Attractors, 2014. Spiritual Interlopers and Lonely Wanderers: The Search for Pre-Pangæan Supercontinents. *Geoscience Frontiers*, 5, 155-166.
8. Meert, J.G., Bazhenov, M.L., Levashova, N.M., Danukalov, K.N., Golovanova, I.V., Rapid changes in magnetic field polarity during the Late Ediacaran: Trigger for the agronomic revolution and demise of the Ediacaran fauna?, *Nature*, in prep.
9. Santosh, M., Maruyama, S., Sawaki, Y., Meert, J.G., 2014. The Cambrian Explosion: Plume-driven birth of the second ecosystem on Earth, *Gondwana Research*, 25, 945-965. (0,2,6).
10. Turner, C.C., Meert, J.G., Pandit, M.K., Kamenov, G.D., in press. A detrital zircon U-Pb and Hf isotopic transect across the Son Valley sector of the Vindhyan basin, India:

- Implications for basin evolution and paleogeography, *Gondwana Research*, doi:10.1016/j.gr.2013.07.009. (0,0,1).
11. Meert, J.G. and Pandit, M.K., *in press*. Precambrian Evolution of Peninsular India and its Link to Basin evolution, *Springer Books Special Publication Purana Basins of India*.
 12. Belica, M.E., Piispa, E.J., Meert, J.G., Pesonen, L.J., Plado, J., Pandit, M.K., Kamenov, G.D., Celestino, M., *in press*. Paleoproterozoic mafic dyke swarms from the Dharwar craton; paleomagnetic poles for India from 2.37-1.88 Ga and rethinking the Columbia supercontinent, *Precambrian Research*, doi:10.1016/j.precamres.2013.12.005 (0,0,0).
 13. Shu, L., Ma, X. and Meert, J.G., *in press*. Early Permian slab breakoff in the Central Tianshan belt inferred from the post-collisional granitoids, *Gondwana Research*, doi:10.1016/j.gr.2013.09.008.
 14. Kuznetsov N.B., Romanyuk T.V., Shatsillo A.V., Orlov, S.Yu., Gorozhanin, V.M., Gorozhanina, E.N., Seregina E.S., Ivanova N.S., Meert, J.G., *in press*. The first results of the U/Pb-dating (LA-ICP-MS) of the detrital zircons from the Late Emsian Takata Formation, the Western Urals (with a problem of an ultimate sources of Vishera diamond placers), *Doklady Earth Sciences*, in review.
 15. Pradhan, V.R.*, Meert, J.G., Levashova, N.M., Gibsher, A.S., Malone, S.J. and Gregory, L.C., Geochronologic and Paleomagnetic constraints on the Late Neoproterozoic – Early Paleozoic volcano-sedimentary units of the Central Asian Orogenic Belt microcontinents, *in prep*.
 16. Bazhenov, M.L., Van der Voo, R., Meert, J.G., Levashova, N.M., Ipatieva, I.S., Late Paleozoic geomagnetic-field estimates from studies of Permian lavas in northeastern Kazakhstan, *Russian Geology and Geophysics*, 55, 108-117.(0,0,0).
 17. Xu, H., Yeng, Z., Peng, P., Meert, J.G., Zhu, R., Paleoposition of the North China craton within the supercontinent Columbia: constraints from new Paleoproterozoic paleomagnetic results, *Precambrian Research*, in review.
 18. Wang, C. and Meert, J.G., Neoproterozoic evolution of the Tarim craton: Potential links between Tarim-Arabian Nubian Shield and NW India in Gondwana, *Precambrian Research*, in review.
 19. Ma, X., Shu, L., Meert, J.G., Li, J., 2014. The northward subduction of the South Tianshan Ocean beneath central Tianshan: Geochemical, Geochronological and Tectonic evidence, *Gondwana Research*, 25, 797-819. (0,0,2).
 20. Zhou, X., Li, J., Meert, J.G., Li, W., Wang, H., A new age constraint on the Sturtian glaciation: SHRIMP U-Pb zircon geochronology of the Neoproterozoic Altungol Formation in the Tarim basin, NW China, *Gondwana Research*, in review.
 21. Wang, C., Liu, L., Xiao, P.X., Cao, Y.T., Yu, H.Y., Liang, W.T., Meert, J.G., Geochemical and geochronologic constraints for magmatism related to orogenic collapse in the Qimantagh-South Altyn region, NW China, *Gondwana Research*, in review.

(2013)

1. Levashova, N.M., Bazhenov, M.L., Meert, J.G., Kuznetsov, N., Golovanova, I.V., Danukalov, K.N., Federova, N.M., Baltica in the end-Ediacaran: New paleomagnetic and geochronological data, *Precambrian Research*, 236, 16-30. (0,0,0)
2. Maslov, A.V., Meert, J.G., Levashova, N.M., Ronkin, Y.L., Grazhdankin, D.V., Kuznetsov, N.B., Krupenin, M.T., Federova, N.M., Ipat'eva, I.S., New data about the age of Vendian glacial deposits (Middle Urals), *Doklady Earth Sciences*, 449, 303-308. (0,0,0)
3. Meert, J.G. and Pandit, M.K., Comment: Paleomagnetism of Bhandar sediments from Bhopal Inlier, Vindhyan Supergroup (Venkateshwarlu and Mallikarjuna Rao), *Memoirs Geological Society of India*, 82, 588-589. (0,0,0)
4. Meert, J.G., Book Review: The Story of Earth (by Robert Hazen), *Reports of the National Center for Science Education*, 33 (3).
5. Meert, J.G., Pandit, M.K. and Kamenov, G.D., Further geochronological and paleomagnetic constraints on Malani (and pre-Malani) magmatism in NW India, *Tectonophysics*, 608, 1254-1267 (0,0,1).
6. Fedorova, N.M., Levashova, N.M., Bazhenov, M.L., Meert, J.G., Sergeeva, N.D., Golovanova, I.V., Danukalov, K.N., Kuznetsov, N.B., Kadyrov, A.F., Khidiyatov, M.M., The east European platform in the Late Ediacaran: new paleomagnetic and geochronological data, *Russian Geology and Geophysics*, 54, 1392-1401.

(2012)

1. Pradhan, V.R., Meert, J.G., Pandit, M.K., Kamenov, G.D. and Mondal, E.A., Tectonic evolution of the Precambrian Bundelkhand craton, central India: Insights from paleomagnetic and geochronological studies on the mafic dyke swarms, *Precambrian Research*, 198-199, 51-76. (10,11,12)
2. Meert, J.G., The (Paleo)Geography of Evolution: Making sense of changing biology and changing continents, *Evolution: Education and Outreach* special issue, 10.1007/s12052-012-0405-2. (0,0,0).
3. Kuznetsov, N.B., Romanyuk, T.V., Shatsillo, A.V., Golovanova, I.V., Danukalov, K.N., Meert, J.G., The age of detrital zircons from Asha Group, Southern Ural – verification of idea about the spatial conjugation of Baltica and Australia within the Rodinia Supercontinent (a positive test of the “Australia Upside Down conception”), *Lithosphere*, 55, 55-77 (in Russian). (0,0,0).
4. Meert, J.G., What's in a name? The Columbia (Palaeopangea/Nuna) Supercontinent, *Gondwana Research*, 21, 987-993. (30,36,33).
5. Torsvik, T.H., Van der Voo, R., Preeden, U., MacNiocaill, C., Steinberger, B., Doubrovine, P.V., van Hinsbergen, D.J.J., Domeir, M., Gaina, C., Tohver, E., Meert, J.G., McCausland, P.J.A., Cocks, R.M., 2012. Phanerozoic polar wander, palaeogeography and dynamics, *Earth Science Reviews*, 114, 325-368 (7,11,17).

(2011)

1. Meert, J.G., Pandit, M.K., Pradhan, V.R., Kamenov, G.D., Preliminary report on the paleomagnetism of 1.88 Ga dykes from the Bastar and Dharwar cratons, *Gondwana Research*, 20, 335-343. (18,19,20)
 2. Meert, J.G., Gibsher, A.S., Levashova, N.M., Grice, W.C.* & Kamenov, G.D., Glaciation and ~770 Ma Ediacara(?) fossils from the Lesser Karatau microcontinent, Kazakhstan, *Gondwana Research*, 19, 867-880. (8,8,12)
 3. Meert, J.G., Formation of Gondwanaland, in Reiner and Thiel (eds): *Encyclopedia of Geobiology*, Springer Press, 434-436. (0,0,1)
 4. Levashova, N.M., Meert, J.G., Gibsher, A.S., Grice, W.C.*, Bazhenov, M.L., The origin of the Central Asian orogenic belt microcontinents: Constraints from paleomagnetism and geochronology, *Precambrian Research*, 185, 37-54. (7,9,12)
 5. Levashova, N.M., Gibsher, A.S., Meert, J.G., 2011. Precambrian microcontinents of the Ural-Mongol belt: new paleomagnetic and geochronological data, *Geotectonics*, 45, 51-70. (3,4,1).
 6. Grazhdankin, D.V., Marusin, V.V., Meert, J., Krupenin, M.T. and Maslov, A.V., 2011. Kotlin regional stage in the South Urals, *Doklady Earth Sciences*, 440, 1222-1226. (4,3,6).
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(2010)

1. Madison-Razanatseho*, M.O., Nédélec, A., Rakotondrazafy, M., B. Ralison and Meert, J.G., Four stage building of the Cambrian-age Carion pluton (Madagascar), *J. Royal Society of Edinburgh Hutton Volume*, 100, 133-145. (3;3,3).
 2. Meert, J.G., Pandit, M.K., Pradhan, V.R., Banks, J.C., Sirianni, R., Stroud, M., Newstead, B., Gifford, J., The Precambrian tectonic evolution of India: A 3.0 billion year odyssey, *J. Asian Earth Sci.*, 39, 483-515. (23,26,32)
 3. Pradhan, V.R.*, Meert, J.G., Pandit, M.K., Kamenov, G., Gregory, L.C.* and Malone, S.J.*, 2010. India's changing place in global Proterozoic reconstructions: New geochronologic constraints on key paleomagnetic poles from the Dharwar and Aravalli/Bundelkhand cratons, *J. Geodynamics*, 50, 224-242. (18;24,33).
 4. Levashova, N.M., Kalygin, V.M., Gibsher, A.S., Yff, J.*, Rybanin, A.B., Meert, J.G., Malone, S.J.*, 2010. The Origin of the Baydaric microcontinent, Mongolia: Constraints from paleomagnetism on the Dzabkhan volcanics, *Tectonophysics*, 485, 306-320. (22,24,31).
 5. Tack, L.C., Wingate, M.T.D., deWaele, B., Meert, J.G., Belousova, E., Griffin, B., Tahon, A., Fernandez-Alonso, M., The Mesoproterozoic "Kibaran Event" in Central Africa: a 1375 intracratonic emplacement of a Large Igneous Province (LIP), *Precambrian Research*, 180, 63-84. (17,21,25).
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(2009)

1. Meert, J.G., Pruett, F.D. and Merino, E., An 'inverse conglomerate' test and timing of in-situ Terra Rossa formation at Bloomington, Indiana, *J. Geology*, 117, 126-138. (3;5,5).
 2. Gregory, L.C.*, Meert, J.G., Bingen, B.H. Pandit, M.K. and Torsvik, T.H., Paleomagnetic and geochronologic study of Malani Ingeous suite, NW India: implications for the configuration of Rodinia and the assembly of Gondwana, *Precambrian Research*, 170, 13-26. (32;35,48).
 3. Meert, J.G., News and Views: In GAD we trust, *Nature Geoscience*, 2, 673-674 (1,2,3).
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(2008)

1. Gray, D.R., Foster, D.A., Meert, J.G., Goscombe, B.D., Armstrong, R., Truow, R.A.J. and Passchier, C.W., A Damaran perspective on the assembly of southwestern Gondwana, *Geological Society of London Special Publication 294*, p. 257-278. (0;25,39)
 2. Meert, J.G. and Lieberman, B.S., The Neoproterozoic assembly of Gondwana and its relationship to the Ediacaran-Cambrian Radiation, *Gondwana Research*, 14, 5-21. (112;120,148).
 3. Pradhan, V.R.*, Pandit, M.K. and Meert, J.G. A cautionary note on the age of the paleomagnetic pole obtained from the Harohalli dyke swarms, Dharwar craton, southern India, in: Srivastava et al. (eds) *Indian Dykes*, Narosa Publishing House, New Delhi, India, pp. 339-352. (0,0,14).
 4. Malone, S.J.*, Meert, J.G., Banerjee, D.M., Pandit, M.K., Tamrat, E., Kamenov, G., Pradhan, V.R.* and Sohl, L.E., Paleomagnetism and detrital zircon geochronology of the Upper Vindhyan sequence, Son Valley and Rajasthan, India: A 1000 Ma closure age for the Purana basins?, *Precambrian Research*, 164, 137-159. (53;54,67).
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(2007)

1. Meert, J.G., Walderhaug, H.J., Torsvik, T.H. and Hendricks, B.W.H., Age and paleomagnetic signature of the Alnø Carbonatite complex (NE Sweden): Additional Controversy for the Neoproterozoic position of Baltica, *Precambrian Research*, 154, 159-174, (16;16,24).
 2. Meert, J.G., Testing the Neoproterozoic glacial models, *Gondwana Research*, 11, 573-574. (13;13,18).
 3. Goderris, Y., Donnadiue, Y., Dessert, C., Dupre, B., Fluteau, F., Francois, L.M., Meert, J.G., Nedelec, A., Ramstein, G., 2006. Coupled modeling of global carbon cycle and climate in the Neoproterozoic: links between Rodinia breakup and major glaciations, *C.R. Geoscience*, 339, 212-222. (16;19,26)
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(2006)

1. Meert, J.G. and Tamrat, E., Paleomagnetic evidence for a stationary Marion hotspot: Additional Paleomagnetic from Madagascar, *Gondwana Research*, 10, 340-348. (6;7,7).
2. Gregory, L.C.*, Meert, J.G., Tamrat, E., Malone, S.*, Pandit, M.K. and Pradhan, V.*, A paleomagnetic and geochronologic study of the Majhgawan kimberlite, India:

Implications for the age of the Upper Vindhyan Supergroup, *Precambrian Research*, 149, 65-75. (35, 35,47).

(2005)

1. Grower, M.*, Closing Pandora's box: Additional insights on inclination bias using a random walk approach, University of Florida J. Undergraduate Research, v6:6. (note this paper was the result of research conducted under my supervision as part of the Undergraduate Scholars Program at UF).
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(2004)

1. Meert, J.G. and Lieberman, B.S., A Palaeomagnetic and Palaeobiogeographic perspective on Latest Neoproterozoic and Early Cambrian tectonic events, *J. Geol. Soc. London*, 161, 477-489. (33;34,58).
 2. Donnadiue, Y., Godderis, Y., Ramstein, G., Nedelec, A. and Meert, J.G., Snowball earth triggered by continental breakup through changes in runoff, *Nature*, 428, 303-306. (105;102,145).
 3. Meert, J.G. and Torsvik, T.H., Paleomagnetic constraints on Neoproterozoic 'Snowball Earth' continental reconstructions, in *The Extreme Proterozoic: Geology, Geochemistry and Climate* (Jenkins et al., eds), ADU Geophysical Monograph Series #146, pp. 5-12. (0,0,18)
 4. Meert, J.G. and Torsvik, T.H., Reply to JDA Piper: The making and unmaking of a Supercontinent, *Tectonophys.*, 383, 99-103. (4;3,5).
 5. Lieberman, B.S. and Meert, J.G., Biogeography and the nature and timing of the Cambrian radiation. Neoproterozoic-Cambrian Biological Revolutions. J. H. Lipps and B. M. Waggoner, eds. Paleontological Society Papers 10:79-91. (2,0,3).
 6. Meert, J.G. and Tamrat, E., A Mechanism for explaining rapid continental motion in the late Neoproterozoic, in *The Precambrian Earth: Tempos and Events*, Elsevier Publications, Chapter 3.11, 255-267. (8,0,1)
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(2003)

1. Meert, J.G., A synopsis of events related to the assembly of eastern Gondwana, *Tectonophysics*, 362, 1-40. (315;314,388).
 2. Meert, J.G., Nedelec, A., Hall, C., The stratoid granites of central Madagascar: Paleomagnetism and further age constraints on Neoproterozoic deformation, *Precambrian Research*, 120, 101-129. (19;20,28)
 3. Meert, J.G. and Torsvik, T.H., The making and unmaking of a supercontinent:Rodinia Revisited, *Tectonophysics*, 375, 261-288. (161;168,218).
 4. Pesonen, L.J., Elming, S.A., Mertanen, S., Pisarevski, S., D'Agrella-Filho, M.S., Meert, J., Schmidt, P.W., Abrahmsen, N., Bylund, G., Assemblies of continents during the Proterozoic: Rodinia and beyond, *Tectonophysics*, 375, 289-324. (156;167,209)
 5. Meert, J.G., Tamrat, E. and Spearman, J., Non-dipole fields and inclination bias: insights from a random walk analysis, *Earth & Planetary Science Letters*, 214, 395-408 (10;9,14).
 6. Meert, J.G., Book Review Proterozoic East Gondwana: Supercontinent assembly and breakup, *EOS*, 84:37, 372. (0,0,0)
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(2002)

1. Meert, J.G. Paleomagnetic evidence for a Paleo-Mesoproterozoic supercontinent Columbia, *Gondwana Research*, v5:1, 207-215. (70;75,84)
 2. Meert, J.G. and Stuckey, W.*, Paleomagnetism of the St. Francois Mountains, Missouri revisited, *Tectonics*, 21, 10.1029/2000TC001265 (13;21,27)
 3. Donnadieu, Y., Ramstein, G., Fluteau, F., Besse, J. and Meert, J.G., Is high obliquity a possible cause for Neoproterozoic glaciations?, *Geophysical Research Letters*, 29, 23, 10.1029/2002GL015902 (18;17,26)
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(2001)

1. Meert, J.G., Nedelec, A., Hall, C., Wingate, M. and Rakotondrazafy, M., Paleomagnetism, geochronology and tectonic implications of the Carion granite, central Madagascar, *Tectonophysics*, 340, 1-21. (27;32,37)
2. Meert, J.G., Growing Gondwana and Rethinking Rodinia: A paleomagnetic perspective, *Gondwana Research*, v4:3, 279-288. (53;62,76).
3. Meert, J.G. and Powell, C.McA., Editorial: Assembly and break-up of Rodinia, *Precambrian Research*, 110, 1-8. (59;66,73)
4. Meert, J.G. and Van der Voo, R., **Comment:** "New Paleomagnetic result from Vendian red sediments in Cisbaikalia and the problem of the relationship of Siberia and Laurentia in the Vendian" by Pisarevsky et al. (Geophys. J. Int., 140, 598-610), *Geophysical Journal International*, 146, 867-870. (18;15,21).
5. Rakotondrazafy, M., Razanatseheno, M.O.M.*, Nedelec, A., Ralison, B., Fitzsimons, I., Wingate, M., Meert, J.G. The Cambrian Carion Granite of Madagascar: A Case of Late Pan-African Shoshonitic Magmatism, *Gondwana Research*, 4, 746-747 (0;7,5)
6. Torsvik, T.H., Van der Voo, R., Meert, J.G., Mosar, J. and Walderhaug, H., Reconstructions of the continents around the North Atlantic at about the 60th parallel *Earth Planet. Sci. Lett.*, 187, 55-69. (138;142,177)
7. Meert, J.G., Hall, C.M., Nédélec, A. and Madison-Razanatseheno, M.*, Slow-cooling of a late-syn tectonic pluton: Constraints from laser $^{40}\text{Ar}/^{39}\text{Ar}$ K-feldspar modelling, *Gondwana Research*, 4:3, 541-550. (21;18,16)

(1999)

1. Meert, J.G., A paleomagnetic analysis of Cambrian true polar wander, *Earth Planet. Sci. Lett.*, 168, 1-2, 131-144. (43;45,58)
2. Meert, J.G., Some perspectives on the assembly of Gondwana, *Mem. Geol. Surv. India*, 44, 45-58 (0,0,7).

(1998)

1. Weil, A.B., Van der Voo, R., MacNiocall, C., Meert, J.G., The Proterozoic supercontinent Rodinia: paleomagnetically derived reconstructions for 1100 to 800 Ma, *Earth Planet. Sci. Lett.*, 154, 13-24. (234;233,274)
2. Meert, J.G., Torsvik, T.H., Eide, E.A. and Dahlgren, S., Tectonic significance of the Fen Complex, S. Norway: Constraints from geochronology and paleomagnetism, *J. Geol.*, 106, 553-564. (41;46,59)
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 82. Torsvik, T.H. and Meert, J.G., 1995. Baltica and Laurentia: Two continents, two supercontinents and a whole lot of tectonics 750-425 Ma, invited abstract, GSA SE Abstracts w/Prog., v27:2, p. 93.
 83. Meert, J.G., 1995. The formation and breakup of a late Proterozoic supercontinent: A critical need for integrated paleomagnetic and geochronologic studies, invited KEYNOTE abstract, Geological Association of Canada; Mineralogical Association of Canada; Canadian Geophysical Union, Joint Annual Meeting. 20; Pages 69.
 84. Van der Voo, R. and Meert, J.G., 1995. Paleomagnetic constraints on the breakup of Rodinia and the assembly of Gondwana, invited abstract, GSA Southeastern Meeting, v:27:2, p. 93.
 85. Van der Voo, R. and Meert, J.G., 1994. The latest Precambrian-Early Cambrian: final breakup of Rodinia elements and the assembly of Gondwana, *EOS*, 75:44, p. 200.
 86. Meert, J.G., 1994. IMSLAK: A new terrane recognized within East Gondwana?, GSA Annual Meeting Abstracts, 26, p. A-340.
 87. Van der Voo, R. and Meert, J.G., 1994. True polar wander and/or fast rates of plate motion in the Paleozoic, *EOS*, 75:16, p. 64.
 88. Meert, J.G., Uranga, C., Van der Voo, R., Ayub, S. and Munyua, R., 1994. Middle and Late Proterozoic paleomagnetic results from the Congo craton, East Africa, *EOS*, 75:16, p. 128.
 89. Meert, J.G., 1993. Rapid plate motion in the Late Proterozoic, *EOS*, 74:43, p. 212.
 90. Meert, J.G. and Van der Voo, R., 1993. The Neoproterozoic [1000-540 Ma] glacial intervals: No more snowball Earth?, GSA Annual Meeting Abstracts, 25, p. A- 299.
 91. Meert, J. and Van der Voo, R., 1993. Multiple remagnetizations in igneous rocks: Evidence for early Paleozoic tectonic events in the Appalachians?, *EOS*, 74:16, p. 114.
 92. Meert, J. and Van der Voo, R., 1992. Evidence for a high paleolatitude of North America in the latest Precambrian and rapid drift during the Cambrian, *EOS*, 73:43, p. 150.
 93. Meert, J., Hargraves, R. and Van der Voo, R., 1992. A paleomagnetic investigation of the Late Kibaran (1150 Ma) magmatic episode in Burundi, East Africa, *EOS*, 73, p. 93.
 94. Patel, J.P., Meert, J. and Van der Voo, R., 1991. Paleomagnetic investigation of the Archean age Nyanzian System in western Kenya, *EOS*, 72, p. 99.

95. Meert, J. and Van der Voo, R., 1991. Paleomagnetic investigation of the Catoctin volcanic province, Virginia, EOS, 72, p. 106.
96. Meert, J., Van der Voo, R. Nyblade, A. and Patel, J.P., 1990. Paleomagnetic investigation of the Precambrian in Kenya, EOS, 71, p. 487.
97. Van der Voo, R. and Meert, J. 1989. Late Proterozoic paleomagnetism and tectonic models: A critical appraisal, EGS Abstracts Volume, p. 43.
98. Meert, J. Van der Voo, R. and Patel, J., 1989. Paleomagnetic investigation of the Kisii lavas, EOS, 70, p. 319,
99. Meert, J. and Smith, D.L., 1988. Temperature measurements and heat flow at the Platanares, Honduras geothermal site, EOS, 69, p. 1451.
100. Meert, J., Fishkin, L. and Smith, D.L., 1988. Ozark Plateau heat flow: Relationship to groundwater flow, GSA Annual Meeting Abstracts, 20:7, p. 525.
101. Meert, J., Smith, D.L. and Fishkin, L., 1988. Heat flow in the Ozark Plateau, Arkansas and Missouri, EOS, 69, p. 605.

Symposia, Seminars & Mini Courses

1. Rapid Reversals in the Ediacaran, invited lecture, BEPIS Conference, Beijing, China July 2013.
2. The Paleogeography of Evolution, Darwin Day Lecture, Broward College, Miami, Florida, February 2012.
3. India's Changing Place in global reconstructions, Department of Geology, Michigan Technological University, September 2011.
4. Paleomagnetism, geochronology, glaciations and Ediacaran(?) organisms from the Lesser Karatau microcontinent, Kazakhstan, Department Geological Sciences, University of Florida, Nov 2009 Seminar.
5. India's Place in Precambrian plate reconstructions, invited talk 6th Nordic Paleomagnetic workshop, Lulea Sweden, September, 2009.
6. Shell NTP New Mexico Field trip and minicourse, Taos, New Mexico, August 2009.
7. Evidence for Evolution, Café Scientifique Gainesville, Florida, September 2008.
8. Geochronology and paleomagnetism of the Dzabkhan volcanic sequence, Gobi Altai region, Mongolia, Mongolian Institute for Geology and Mineral Resources, Ulaan Bataar Mongolia, September 2007.
9. The creation evolution battle: An inside look. Atheist, Agnostic and Free thinking Society, Gainesville, FL. November 2006.
10. The Snowball Earth, Florida Association of Science Teachers Annual Meeting, Gainesville, FL October 2006.
11. Adventures in Deep Time, Café Scientifique, Gainesville, Fl, February 2006.
12. A history of supercontinents, Mongolian Academy of Sciences, Ulaan Bataar, Mongolia, Sept. 2005.
13. State of the Snowball: A 2005 Update, University of Florida, February 2005.
14. A history of supercontinents, GSA Penrose Conference, St. George Utah, October 2004.
15. Preliminary paleomagnetic results from the Arbuckle Dolerites, 5th Nordic Paleomagnetic Workshop, Suitia Finland Sept 2004.

16. Inclination only studies and the dipole field, 5th Nordic Paleomagnetic Workshop, Saitia Finland Sept 2004 (invited).
17. Neoproterozoic Plate Tectonics, Models and Speculations, Florida State University, September 2003.
18. Non-Dipole Fields and Inclination Bias, Florida State University, September 2003.
19. The HOG Hypothesis and other Proterozoic Oddities, University of Florida, November 2002.
20. The HOG Hypothesis: Constraining Neoproterozoic plate motions, Kansas University, March 2002.
21. Proterozoic Geodynamics: Trondheim Geology Club, April 2001.
19. Geodynamics of Supercontinent Assembly and breakup, Universite Paul Sabatier, Toulouse, France, March 2001.
20. Paleogeography Mini Course, Universite de Toulouse, March 2001.
21. Paleogeography Mini Course, University of Lund, Sweden, December 2000.
22. Snowball, Slushball and Oddball Glaciations: The coming and goings of Neoproterozoic Ice Sheets, Goldschmidt Lecture, Norwegian Geological Survey, Nov 2000.
23. Meso-Neoproterozoic Paleomagnetic Studies in India, Africa and Madagascar, 4th Paleomagnetic Workshop, Aarhus, Denmark, 1999.
24. Paleomagnetism, nuts and bolts, invited lecture, Washington University-St. Louis, spring 1998.
25. True Polar Wander and the Cambrian Explosion, invited colloquium, University of Missouri, spring 1998.
26. Supercontinents and the Cambrian 'Explosion', invited colloquium, St. Louis University, spring 1998.
27. Geology, Serendipity and Life, invited colloquium, Junior Science and Humanities Program, Indiana State University, spring 1997.
28. Tectonics and the Geodynamo, invited colloquium, Department of Physics, Indiana State University, spring 1997.
29. The making of a continent, invited colloquium, Department of Geological Sciences, University of Illinois, spring 1996.
30. Assembling a supercontinent, the Gondwana Story, invited colloquium, Department of Geology, I.U.P.U.I, Spring 1996.
31. Gondwana 1-2-3, invited colloquium, Department of Geological Sciences, Indiana University, Fall 1995.
32. The Assembly of Gondwana, invited colloquium, Department of Geology, University of Cincinnati, Spring 1995.
33. Paleomagnetism and Plate tectonics, invited colloquium, Department of Physics, Indiana State University, 1994.
34. Late Proterozoic Tectonics, invited keynote lecture, 3rd Scandanavian Paleomagnetic Workshop, Trondheim, Norway, 1994.
35. On the formation of Gondwana in the Latest Proterozoic, invited symposium, University of Texas-Arlington, 1994.

Grants/Contracts Applied/Received

1. National Science Foundation: **Building India: Clues from the Singhbhum Craton & Southern India**, 1/1/2014-12/31/2015, \$257,281, under consideration.
2. National Science Foundation: **Ediacaran Paleomagnetism and geochronology of eastern Baltica: A key to paleogeography and climatic history of the continent**, \$301,950, 7/1/2011-6/30/2014. EAR11-19038.
3. National Science Foundation: **Further refinement of India's Proterozoic paleogeography and Geochronology**, \$188,090, 7/1/2009-6/30/2011. EAR09-10888.
4. National Science Foundation, **The assembly of East Gondwana: A Proterozoic perspective from India**, \$174,527 (7/2004-6/2007) EAR04-09101.
5. National Science Foundation, **Paleomagnetism of Neoproterozoic through to Lower Paleozoic rocks on microcontinents of Central Asia: implications for the Precambrian glacial paradox and amalgamation of Eurasia**, \$267,484 EAR05-08597(7/2005-6/2009). Natasha Levashova (co-PI)
6. National Science Foundation, **Purchase of combined Alternating Gradient Magnetometer (AGM) / Vibrating Sample Magnetometer (VSM) system**, \$82,267 EAR04-32883 (July 15, 2005-July 14, 2006). Co-PI with Jim Channell.
7. CNRS France **"Eclipse 2003 Studying ancient climates**, US participant, total award 35000 euros to several institutions.
8. **Invited Professorship: Academie de Toulouse**, Universite Paul Sabatier, Toulouse France, 2001 (40,000 FF).
9. **CIES Fulbright Scholar Program for Norway 2000-2001** (awarded 12/7/1999), 138,000 NoKr.
10. Norwegian Geological Survey (2001) **Paleomagnetic Investigation of the Hedmark Group**, Lillehammer, 25,000 kroner.
5. National Science Foundation, **CNRS-NSF Joint Project on Tectonics and Assembly of Gondwana with special focus on Madagascar**, INT-9815203, \$3000.00, 1999.
6. National Science Foundation (1998-2000), **International Collaborative project on Proterozoic paleomagnetism, geochronology and tectonic assembly of Madagascar**, \$114,411, EAR98-05306.
7. Norges Geologiske Undersokelse (1997), **Neoproterozoic studies in Western Norway and Madagascar**, Foreign Collaborator with T.H. Torsvik (NGU), Approximately \$12,000.
8. Norges Geologiske Undersokelse (1995), **The Late Proterozoic Sequences in Southern Norway: A Paleomagnetic and Geochronologic study**. Foreign Collaborator with T.H. Torsvik (NGU). Approximately \$10,000.
9. National Science Foundation (1995-97), **Acquisition of Paleomagnetic Equipment**, \$12,500 [EAR95-21571].
10. Norges Geologiske Undersokelse (1995), **The Proterozoic Sequences in Namibia: A Paleomagnetic and Geochronologic study**. Foreign Collaborator with T.H. Torsvik (NGU). Approximately \$10,000.
11. National Science Foundation (1992-94), **Paleomagnetic Studies in East Africa** (post-doctoral fellow w/R. Van der Voo), \$130,000. EAR92-05815

12. Indiana Department of Environmental Management: **Assessing groundwater intake systems in south-central Indiana**. Co-investigator with Dr. Susan Berta and Dr. Sandra Brake, \$50,000.
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Student/Graduate Student Committees

University of Florida-Gainesville

1. MS Thesis Committee Member: Karl Hopfensperger, "*Florida Basement Structure interpreted using magnetic anomalies*", awarded 2003.
2. MS Thesis Committee Member: K. Commins, "*Florida Sinkholes: A review and documentation of occurrences and distributions*", awarded 2004.
3. M.S. Thesis Committee Member, V. Newman, "*Investigation of the history of Exhumation and faulting in the Ruby Mountains Metamorphic Core Complex, Nevada*", awarded 2007.
4. Ph.D. Thesis Committee Member: Sam Coyner, "*Pb-Pb dating of titanite by ICP-MS and the potential for geo and thermochronology*", expected 2012.
5. Ph.D. Thesis Committee Member: Chuang Xuan, awarded 2010.
6. M.S. Thesis Supervisor Shawn Malone, "*Paleomagnetic and geochronologic constraints on the Upper Vindhyan sequence, India*", awarded August 2007.
7. Ph.D. Supervisor Vimal Pradhan, "*Paleomagnetic and geochronologic investigation of Proterozoic dike swarms in India*", August 2011.
8. M.S. Supervisor Laura Gregory, "*Paleomagnetic studies of Neoproterozoic rocks in Indian and Mongolia*", awarded 2008.
9. M.S. Committee Member Brittany Newstead "*The Congo-Kalahari cratonic relationship: From Rodinia to Gondwana*", awarded 2010.
10. M.S. Supervisor Candler Turner, "*Detrital zircon geochronology of the Vindhyan and Marwar Supergroups, India: Keys to the Precambrian history of north-central India*", December 2012.
11. M.S. Supervisor Mercedes Belica, "*Paleomagnetism and Geochronology of mafic dykes in the southern Dharwar craton*", December 2012.
12. M.S. Supervisor Doug Buren "*Paleomagnetism of the Konnarock Formation, SW Virginia: Implications for Neoproterozoic glacial epochs*", expected 2014.
13. M.B.A. Committee Member Basharat Choudhary, expected 2014.

Indiana State University (Graduate Theses)

1. M.Sc. Thesis Committee Member: Adil Wadia, "*Chemical weathering of volcanic ash as a probable origin of chert in the Reid's Mistake Formation of the Newcastle coal measures, Sydney Basin, Australia.*" Finished: 1998
2. M.Sc. Thesis Supervisor, Gerald Unterreiner, "*Groundwater Flow Models of two landfill sites near Indianapolis*". Finished 1998.

3. M.Sc. Thesis Committee Member, Dmitri Barkovsky, "*Effect of the direction of the blast on vegetation recovery within the zone of devastation created by the may 18, 1980 eruption of Mt. St. Helen's*". Finished 2000.
4. M.Sc. Thesis Supervisor, Chad Pullen, "*Paleomagnetism and Geochronology of the 700-800 Ma intrusives, Madagascar*". Student Dropped Out
5. M.Sc. Thesis Committee Member, Irene Arango, "*Remediation of Abandoned coal mines by the euglena E. Mutabalis*". Awarded 2002.

University of Florida (Senior Undergraduate Theses)

1. Undergraduate honors thesis co-supervisor (with Ray Russo), Aubreya Adams, *Seismic Attenuation in the Florida Plateau*. Completed Summer 2004.
2. University Scholars Program supervisor for Mason Grower, *Closing Pandora's box: Additional insights on inclination bias using a random walk approach*, completed April 2005.
3. University Scholars Program supervisor for Laura Gregory, *Paleomagnetic and geochronologic studies of the Malani basic dikes*, 2006.
4. Undergraduate Honors thesis supervisor, Jessica Yff, "*Paleomagnetism and geochronology of the Dzabkhan volcanics, Mongolia: Implications for the Sturtian Snowball Earth*", 2006.
5. Undergraduate Honors thesis supervisor, Laura Gregory, *Paleomagnetic investigation of the late-stage Malani mafic dikes*, 2006.
6. Undergraduate Honors thesis supervisor, Joshua K. Davis, *Paleomagnetism of the Marwar Supergroup, Rajasthan, India*, 2012.

Indiana State University (Senior Undergraduate Theses)

1. Undergraduate thesis supervisor, William Stuckey, "*Paleomagnetic Investigation of the St. Francois Mountains igneous province*". Finished 2001, published in *Tectonics*.
2. Undergraduate thesis supervisor, Ginger Korinek, *Anisotropy of Magnetic Susceptibility as a proxy for bedding corrections in massive rhyolite flows*. Finished 2001.
3. Undergraduate thesis supervisor, John Morris, *Crustal structure and station correction for the ISU seismic station*. Finished 2001.

Other Universities

1. Ph.D. External Member, Gerald Unterreiner, "*Chemical, isotopic and hydrogeologic investigations of an agriculturally impacted area, Nottawa Creek watershed, Calhoun County, Michigan*". Western Michigan University, awarded 2002.
2. M.Sc., External Examiner, Shawn Letts, "*The development of aeromagnetic mapping and dyke interpretation methodologies with application to a high resolution*

- aeromagnetic survey in the Eastern Bushveld Complex*", University of Witwatersrand, Johannesburg South Africa, awarded 2004.
3. Ph.D., External Examiner, Huntly Cutten, "*Development of a GIS/Access database research tool and its use to synthesize the Proterozoic tectonic history of the Mozambique Belt, Eastern Africa*", University of Western Australia, awarded 2005.
 4. Ph.D., External Examiner, Eric Font, University of Sao Paulo, "*Paleomagnetisme de Cap Carbonates du craton Amazonian Brazil: Implications pour les glaciations du Neoproterozoique*", awarded 2005.
 5. Ph.D., External Examiner, Yengkhom Kesorjit Singh, Indian Institute of Technology, Mumbai, "*Deformation and tectonic history of Delhi Supergroup of rocks around Uplagarh and Sagna, SW Rajasthan, India*", awarded 2010.
 6. Ph.D. External Examiner, Sujit Kumar Pradhan, Pondicherry University India, "*Paleomagnetic and geochronological studies on the basaltic dykes from northeastern part of the southern granulite terrain India: Significance to early Proterozoic continental reconstruction*", awarded 2013.
 7. Ph.D. External Member, Xuxuan Ma, "*Evolution of the Tian Shan Ocean*", Nanjing University, China, expected 2014. Visiting Scholar UF 2012-2013.
 8. Ph.D. External Member, Xiaobei Zhao, TBD, Peking University, China, expected 2016. Visiting Scholar UF 2013.
 9. Ph.D. External Member, Huiru Xu, TBD, Chinese Academy of Sciences, Beijing, China, expected 2015. Visiting Scholar UF 2013-2014.

Other (TV interviews/community service projects)

1. **1993**- Interviewed by University of Michigan Press regarding Nature article on Plate Tectonic Speed limits. News articles appeared in various papers around the country.
2. **1995**- Conducted interviews related to the 1995 Kobe, Japan earthquake including a ½ television show on WTWO television, Terre Haute Indiana. Also gave numerous radio show interviews with local Terre Haute radio on this event.
3. **1995**- Gave a lecture on Earthquakes and Volcanoes to the Lions Club of Spencer, Indiana.
4. **1996**- Helped local cub scout pack earn their Geology Badge.
5. **1996**- Spoke at local school board meeting defending the teaching of evolution.
6. **1996**- Performed in a series of commercials for FOX Kids "So you want to be a geologist?", Terre Haute, Indiana.
7. **1996**- Interviewed by Science News (v150:7, p. 103) regarding the discovery of an 'oldest' reversal.
8. **1999**- Featured story in "Campus Connection: ISU Publications" for work in Madagascar called "Sprit of Discovery".
9. **1996-2000**: Gave lectures to various grade, middle and high school students on geology and geologic history in Terre Haute Indiana.

10. **2001**- Interviewed by New Scientist about the notion of true polar wander, New Scientist Magazine, v. 171, pages 35-37.
11. **2003**- Gave lecture at PK Yonge Elementary School on geology and rocks.
12. **2004**- Gave lecture at PK Yonge Elementary School on geology and rocks.
13. **2004**- Interviewed by Nature News regarding the Snowball Earth paper in Nature, San Francisco Chronicle, WRUF AM, Discovery Channel, WTRS radio Sunday morning program, Gainesville Sun, CNRS (French) Research reports. The story was also picked up by various newswires and published in newspapers across the globe.
14. **2004**- Interviewed by major news organizations regarding the J. Geol. Soc. London paper on trilobite evolution, including Science News, Discovery Channel News, WRUF 850 AM, Geotimes, Astrobiology News and the Lawrence Kansas newspaper, the French Magazine "La Recherche" (equivalent to our Scientific American).
15. **2004**- Assisted P.K. Yonge Kindergarten teacher Julie Johnson in her acquisition of a National Certification in Science teaching.
16. **2005**- Interviewed by the Alligator regarding the Sumatra Earthquake.
17. **2006**- Interviewed in Science regarding Intelligent Design and creationism (v. 311, 769-771 Feb 2006).
18. **2006**- Talked on rocks and minerals to PK Yonge 3rd Grade class.
19. **2006**- Interviewed by Chemical and Engineering News regarding evolution and intelligent design (vNov 27, 2006 issue).
20. **2007**- Co-organizer with Phil Neuhoff and Matt Smith Museum Nights Florida Natural History Museum March 22, 2007.
21. **2008**- Interviewed by National Geographic News for article in Precambrian Research on vindhyan basins in India.
22. **2008**- Interviewed by Christian Science Monitor regarding research on the Vindhyan basin in India.
23. **2008**- Interviewed by Education Week regarding the "Spore" the new evolution game.
24. **2009**- Featured on Inside UF regarding research work in India.
25. **2010**- Featured in an article on the Geodynamo in "Earth Magazine"
26. **2010-2009**- Scientific Consultant on Pioneer Productions animated Earth history program (Released Feb/March 2011 on National Geographic Channel and Discovery Channel Canada).
27. **2012**- Consultant BBC program "Story of the Continents". Release date late 2013.
28. **2012**- Consultant NHK Japanese Television Program "Land and Evolution of Life" Documentary, spring 2013 release.
29. **2013**- Interview for Nature release on mid-continent rift volcanism.

Other (Community Service & Licenses)

1. 2008- Private Pilot Certificate Airplane Single Engine Land (ASEL).
2. 2008-present Co-pilot on Angel Flights.
3. 2008-present Faculty Advisor: Gator Aviators UF Sponsored Student Organization

4. 2009-present Faculty Advisor: Geological Science Ambassadors.
5. 2007-2008: Vice Chair Florida Citizens for Science.
6. 2013- Coach 13U Gainesville Warriors USSSA Baseball Team.
7. 2009-present: Board Member Florida Citizens for Science
8. 2014- Baseball Coach Lincoln Middle School, Gainesville, Fl
9. 2013- Science Fair Judge 6-8th grade Alachua County Schools
10. 2013- Guest Lecturer- Lincoln Middle School "Getting to know your mineral"