

Curriculum Vitae: 2010
Joseph G. Meert
(Updated January 2010)

Current Position

2006-present Associate Professor of Geological Sciences, University of Florida, Gainesville, FL

Present Address

Department of Geological Sciences
University of Florida
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Educational Background & Work History

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-present
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
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

Florida Citizens for Science: Vice Chair 2006-2008

Geological Society of America: Student Grants Committee 2007-2009.

NDSEG Student Grants Committee 2007-2010

Co-Organizer Geological Society of America Pardee Symposium 2007.

Geological Society of America National Meeting Organizing Committee 2009-2011.

Awards/Recognition Received

1998 Excellence in Education Award, Indiana State University, Terre Haute, IN

CIES Fulbright Scholarship to Norway (2000-2001)

Academie de Toulouse, Universite Paul Sabatier, Toulouse, France: Visiting Professorship 2001

2005 "A synopsis of events related to the assembly of East Gondwana" was noted by ISI referencing service as a "highly cited paper".

Named 2008 Allan R. and Margaret G. Crow Term Professor at University of Florida

University Service (selected, complete available upon request)

1998-2000: Senator, Faculty Senate (Indiana State University)

1997-2000: General Education Council, Member (Indiana State University)

1999-2003: 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

2004-present: Executive Committee Department of Geological Sciences

Served on 2 faculty search committees (2003 and 2004)

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)

(2010)

1. 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. (0;0).
2. Madison-Razanatseheno*, 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*, in press. (0;0).
3. 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.*, in press.
4. Pradhan, V.R.*, Meert, J.G., Pandit, M.K., Kamenov, G., Gregory, L.C.* and Malone, S.J.*, 2008. India's changing place in global Proterozoic reconstructions: New geochronologic constraints on key paleomagnetic poles from the Dharwar and Aravalli/Bundelkhand cratons, *J. Geodynamics*, in press. (0;0).
5. Levashova, N.M., Kalygin, V.M., Gibsher, A.S., Yff, J.*, Rybanin, A.B., Meert, J.G., Malone, S.J.*, 2008. The Origin of the Dzabkhan microcontinent, Mongolia: Constraints from paleomagnetism on the Dzabkhan volcanics, *Tectonophysics*, in press.
6. Gibsher, A.S., Meert, J.G., Levashova, N.M., Grice, W.C*. & Kamenov, G.D., Ediacaran fossils predating the snowball earth episodes? New evidence from the Lesser Karatau microcontinent, Kazakhstan, *Geology*, under review.
7. 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*, in review.
8. 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*, in press.

(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. (0;0).
3. Meert, J.G., News and Views: In GAD we trust, *Nature Geoscience*, 2, 673-674 (0,0).

(2008)

1. 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. (3;3).
2. 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;6)
 3. 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. (36;40)
 4. 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. (0,1).
 5. 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. (8;6).

(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, (4;5).
2. Meert, J.G., Testing the Neoproterozoic glacial models, *Gondwana Research*, doi:10.1016/j.gr.2006.11.002 (9;10).
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. (5;6)

(2006)

1. Meert, J.G. and Tamrat, E., Paleomagnetic evidence for a stationary Marion hotspot: Additional Paleomagnetic from Madagascar, *Gondwana Research*, 10, 340-348. (2;2)
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. (9,9)

(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. (21;29).
 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. (64;62).
 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. (0,11)
 4. Meert, J.G. and Torsvik, T.H., Reply to JDA Piper: The making and unmaking of a Supercontinent, *Tectonophys.*, 383, 99-103. (1;2).
 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. (0,2)
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(2003)

1. Meert, J.G., A synopsis of events related to the assembly of eastern Gondwana, *Tectonophysics*, 362, 1-40. (176;184).
 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. (13;14)
 3. Meert, J.G. and Torsvik, T.H., The making and unmaking of a supercontinent:Rodinia Revisited, *Tectonophysics*, 375, 261-288. (91;100).
 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. (84;83)
 5. 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. (0,8)
 6. 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 (8;5).
 7. Meert, J.G., Book Review Proterozoic East Gondwana: Supercontinent assembly and breakup, *EOS*, 84:37, 372.
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(2002)

1. Meert, J.G. Paleomagnetic evidence for a Paleo-Mesoproterozoic supercontinent Columbia, *Gondwana Research*, v5:1, 207-215. (28;28)
 2. Meert, J.G. and Stuckey, W.*, Paleomagnetism of the St. Francois Mountains, Missouri revisited, *Tectonics.*, 21, 10.1029/2000TC001265 (7;9)
 3. Donnadiue, 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 (12;10)
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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. (19;23)
 2. Meert, J.G., Growing Gondwana and Rethinking Rodinia: A paleomagnetic perspective, *Gondwana Research*, v4:3, 279-288. (32;42).
 3. Meert, J.G. and Powell, C.McA., Editorial: Assembly and break-up of Rodinia, *Precambrian Research.*, 110, 1-8. (45;53)
 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. (11;9).
 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;3)
 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. (101;91)
 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. (18;15)
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(1999)

1. Meert, J.G., A paleomagnetic analysis of Cambrian true polar wander, *Earth Planet. Sci. Lett.*, 168, 1-2, 131-144. (38;36)
 2. Meert, J.G., Some perspectives on the assembly of Gondwana, *Mem. Geol. Surv. India*, 44, 45-58 (0,5)
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(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. (190;189)
 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. (31;34)
 3. Torsvik, T.H., Eide, E.A., Meert, J.G. and Smethurst, M.A., The Oslo Rift: New paleomagnetic and $^{40}\text{Ar}/^{39}\text{Ar}$ age constraints, *Geophys. J. Int.*, 135, 1045-1059. (15;17)
 4. Torsvik, T.H., Meert, J.G. and Smethurst, M.A., Polar Wander and the Cambrian: Technical Comment, *Science*, 279, 9a (2;25).
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(1997)

1. Meert, J.G. and Van der Voo, R., The assembly of Gondwana 800-550 Ma, *J. Geodyn.*, 23, 223-235 (invited submission). **#2 Most cited article in Journal history.** (98;106).
 2. Meert, J.G., Eide, E.A. and Torsvik, T.H., The Nama Group, Namibia revisited, *Geophys. J. Int.*, 637-650. (7;7).
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(1996)

1. Meert, J.G. and Van der Voo, R., Paleomagnetic and $^{40}\text{Ar}/^{39}\text{Ar}$ investigation of the Sinyai metadolerite, Kenya: Implications for Gondwana assembly, *J. Geol.*, 104, 131-142. (54;52)
 2. Torsvik, T.H., Smethurst, M.A., Meert, J.G., Van der Voo, R., McKerrow, W.S., Brasier, M.D., Sturt, B.A. and Walderhaug, H., Continental breakup and collision in the Neoproterozoic and Phanerozoic-A tale of Baltica and Laurentia, *Earth Sci. Rev.*, 40, 229-258. **#2 most cited article in Journal History.** (370;405).
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(1995)

1. Torsvik, T.H. and Meert, J.G., Early Proterozoic paleomagnetic data from the Pechenga zone (northwest Russia) and their bearing on Early Proterozoic paleogeography, *Geophys. J. Int.*, 122, 520-536. (15;16)
 2. Meert, J.G., Van der Voo, R. and Ayub, S., Paleomagnetic investigation of the Late Proterozoic Gagwe lavas and Mbozi Complex, Tanzania and the assembly of Gondwana, *Precam. Res.*, 74, 225-244. (78;91)
 3. Meert, J.G. and Van der Voo, R., Reply: The Neoproterozoic [1000-540 Ma] glacial intervals: No more snowball earth?, *Earth Planet. Sci. Lett.*, 131, 123-125. (5;4)
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(1994)

1. Meert, J.G., Van der Voo, R. and Payne, T., Paleomagnetism of the Catocin Volcanic province: A new Vendian-Cambrian apparent polar wander path for North America, *J. Geophys. Res.*, 99, 4625-4641. (52;45)
 2. Meert, J.G. and Van der Voo, R., The Neoproterozoic [1000-540 Ma] glacial intervals: No more snowball earth?, *Earth Planet. Sci. Lett.*, 123, 1-13. (70;60)
 3. Meert, J.G., Van der Voo, R. and Patel, J.P., Paleomagnetism of the late Archean-age Nyanzian system, western Kenya, *Precam. Res.*, 69, 113-131. (8;7)
 4. Meert, J.G., Van der Voo, R., Hargraves, R.B., Hall, C.M. and Halliday, A.N., Paleomagnetic and $^{40}\text{Ar}/^{39}\text{Ar}$ studies of Late Kibaran intrusives in Burundi, East Africa: Implications for late Proterozoic supercontinents, *J. Geol.*, 102, 621-637. (23;21).
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(1993)

1. Meert, J.G., Van der Voo, R., Powell, C.McA., Li, Z.X., McElhinny, M.W., Chen, Z. and Symons, D.T.A., A plate tectonic speed limit?, *Nature*, 363, 216-217. (46;39)

2. Meert, J.G., Precambrian Tectonics: Some constraints from paleomagnetic and geochronologic studies in North America and East Africa, Ph.D. dissertation, *University of Michigan Publications*, 158 pp. (0,1)
 3. Powell, C. McA., Li, Z.X., McElhinny, M.W., Meert, J.G. and Park, J.K., Paleomagnetic constraints on the Neoproterozoic breakup of Rodinia and the mid-Cambrian formation of Gondwanaland, *Geology*, 21, 889-892. (218;217)
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(1991)

1. Meert, J.G. and Smith, D.L., Heat flow at the Platanares, Honduras geothermal site, *J. Volc. Geo. Res.*, 47, 91-99. (7;1)
 2. Meert, J.G., Smith, D.L. and Fishkin, L., Heat flow in the Ozark plateau, Arkansas and Missouri: relationship to groundwater flow, *J. Volc. Geo. Res.*, 47, 337-347. (5;4)
 3. Van der Voo, R. and Meert, J.G., Late Proterozoic paleomagnetism and tectonic models: A critical appraisal, *Precam. Res.*, 53, 149-163. (33;20)
 4. Meert, J.G., Patel, J.P. and Van der Voo, R., Paleomagnetic investigations of the Precambrian in Kenya: Report of Invesigations II, *Kenya Division of Mines and Geology Open File Report*, 34 pages.
 5. Meert, J.G., LaForge, R., Yong, C.J. and Ruff, L., Geophysical Investigation of the western Ohio-Indiana region, Annual Report 1989-1990, *NUREG CR-3145*, 26 pages.
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(1990)

1. Meert, J.G., Young, C.J. and Ruff, L., Quarterly Progress report-Anna Ohio seismic network, *US NUREG*, 15 pages.
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(1989)

1. Patel, J.P., Van der Voo, R. and Meert, J.G., Paleomagnetic investigations of the Precambrian in Kenya: Report of Invesigations I, *Kenya Division of Mines and Geology Open File Report*, 29 pages.
-

(1988)

1. Meert, J., Heat flow and heat production in the Ozark Plateau region, Missouri, M.Sc. thesis, *University of Florida publications*, 109 pages.
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(1987)

1. Goff, F., Shevenell, L., Kelkar, S., Smith, D.L., Meert, J., Heiken, G., Bargar, K., Ramos, N., Truesdell, A.H., Stallard, M and Musgrave, J., Stratigraphy, temperature profiles and flow test data from PLTG-1 and PLTG-2 coreholes, Platanares geothermal system, Honduras, *Trans. Geoth. Res. Counc.*, 11, 253-260. (not listed in ISI or Scopus)
-

Non-Refereed Publications

1. Meert, J.G., 2001. "Paleogeography: Clues to the causes of "Snowball Earth" in Strahler and Strahler Physical Geography, John Wiley & Sons, Chapter 13, pp. 371-372.
2. Meert, J.G., 2002. Editorial: The New Gondwana Newsletter, Gondwana Research, 5, 539.
3. Meert, J.G., 2002. Editorial: Good News for GR/GNL, 5, 871.
4. Meert, J.G., 2003. Editorial: Gondwana Newsletter now available online, Gondwana Research, 6, 295.
5. Meert, J.G., 2003. Editorial: A note on the impact factor of Gondwana Research, 6, 901.
6. Meert, J.G., 2003. Book Review: Proterozoic East Gondwana: Supercontinent Assembly and Breakup, EOS, 84:37, p.372.
7. Meert, J.G., 2004. Editorial: News from GR and GNL, Gondwana Research, 7, p. 599.
8. Meert, J.G., 2004. Editorial: Gondwana Research: improved impact factor and electronic submission, Gondwana Research, 7, 1213.
9. Meert, J.G., 2005. Book Review: Earth as an Evolving Planetary System, EOS, v. 86:18, p. 182.

Abstracts

1. Meert, J.G., Gibsher, A.S., Levashova, N.M., Grice, W.C. and Kamenov, G.D., 2009. Paleomagnetism, geochronology, glaciation and Ediacaran(?) fossils from the Lesser Karatau microcontinent, Kazakhstan, Geological Soc. Am. abstracts, 41:7.
2. Pradhan, V.R., Meert, J.G., Levashova, N.M. and Gibsher, A.S., 2009. Preliminary paleomagnetic data on Late Cambrian to Ordovician carbonate beds of Tamdy Series from the Lesser Karatau microcontinent, South Kazakhstan, Geological Soc. Am. abstracts, 41:7.
3. Tack, L., Wingate, M.T.D., De Waele, B., Meert, J., Belousova, E.A., Griffin, W.L., Tahon, A., Fernandez-Alonso, M., Baudet, D., Cutten, H.N.C., Dewaele, S., 2009. The Proterozoic Kibaran Belt in Central Africa: Intracratonic 1375 Ma emplacement of a LIP, Geological Society of London, Fermor Meeting, Edinburgh Scotland.
4. Meert, J.G., Pandit, M.K., Pradhan, V.R., Gregory, L.C., Malone, S.J., Torsvik, T.H., Bingen, B., 2009. India's changing place in global Neoproterozoic reconstructions: New geochronologic constraints on key paleomagnetic poles, Geological Society of London, Fermor Meeting, Edinburgh Scotland.
5. Meert, J.G., Pandit, M.K., Pradhan, V.R., Gregory, L.C., Malone, S.J., Torsvik, T.H., Bingen, B., 2008. India's changing place in global Neoproterozoic reconstructions: New geochronologic constraints on key paleomagnetic poles, International Association of Gondwana Research Conference Series #5, p. 23-24 (KEYNOTE Address).
6. Tack, L., Wingate, M.T.D., De Waele, B., Meert, J., Belousova, E.A., Griffin, W.L., Tahon, A., Fernandez-Alonso, M., Baudet, D., Cutten, H.N.C., Dewaele, S., 2008. The Proterozoic

- Kibaran Belt in Central Africa: Intracratonic 1375 Ma emplacement of a LIP, International Geological Congress 2008, Oslo, Norway, abstract GDP02711L.
7. Levashova, N.M., Gibsher, A.S., Kalygin, V.M., Rybaninin, A.B., Malone, S.J., Grice, W., Kamenov, G., Meert, J.G., 2008. Precambrian microcontinents of the Ural-Mongol Belt: where are they from? Geodynamic evolution of the Ural-Mongol Belt, Siberian Branch Russian Academy of Sciences Meeting (abstracts in Russian), p. 23.
 8. Foster, D.A., Goscombe, B.D., Mueller, P.A., Gray, D.R., Meert, J.G., 2008, The accretion of north and south Gondwana: evidence from U-Pb ages and Hf-isotopic compositions of detrital zircons from the Damara Orogen, Namibia: Australian Earth Sciences Convention, Perth, 20-24 July, 2008, Geological Society of Australia, Abstracts No 89, p. 103.
 9. Pradhan, V.R., Pandit, M.K. and Meert, J.G., 2007. A cautionary note on the age of the Harohalli dikes paleomagnetic pole, *Geological Society of America*, abstracts, paper 86-5.
 10. Levashova, N., Meert, J.G., Gibsher, A., Grice, W., Rybanin, A., 2007. Preliminary ages and paleomagnetic data on the Neoproterozoic Kurgan Fm. From the lesser Karatau range in south Kazakhstan, *Eos Trans AGU 88(52) Fall Meet. Suppl.*, abstract GP43C-1486.
 11. Gregory, L.C., Meert, J.G., Levashova, N., Grice, W.C., Gibsher, A., Rybanin, A., 2007. Paleomagnetic and geochronologic data from Central Asia: Inferences for Early Paleozoic tectonic evolution and timing of worldwide glacial events, *Eos Trans AGU 88(52) Fall Meet. Suppl.*, abstract GP43C-1487.
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20. Gregory, L.C., Levashova, N., Meert, J.G. and Malone, S.J., 2006. Paleomagnetic constraints from Neoproterozoic to early Cambrian rocks in Mongolia: implications for Sturtian glaciations and microcontinent evolution, GSA Abstracts w/programs paper 164-5.
21. Malone, S.J., Meert, J.G., Pandit, M.K., Endale, T. and Pradhan, V., 2006. Magnetostratigraphy and geochronology of the Vindhaynchal basin, India, GSA Abstracts w/program, paper 164-8.
22. Pradhan, V.R., Meert, J.G., Pandit, M.K. and Gregory, L.C., 2006. Paleomagnetism and Geochronology of Proterozoic Basic Dike swarms of Indian subcontinent, Eos Trans. AGU, 87(52), Fall Meet. Suppl., Abstract GP31B-93.
23. Meert, J.G., Walderhaug, H.J., Torsvik, T.H. and Hendricks, B.W., 2006. Age and paleomagnetic signature of the Alno Carbonatite Complex (NE Sweden): Additional Controversy for the Neoproterozoic Paleoposition of Baltica, Eos Trans. AGU, 87(52), Fall meeting Suppl. Abstract GP31B-90.
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41. Meert, J.G., 2001. Snowballs, Slushball and Oddball glaciations: The comings and goings of Neoproterozoic ice sheets, *European Union of Geological Sciences, Abstracts*, 2001.
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45. Meert, J.G., 1999. Paleomagnetic constraints on Rodinia configurations, invited, *GSA Annual Meeting Abstracts*, v 31 p. A-316, 1999.
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47. Meert, J.G., 1999. A tale of two supercontinents, *EUG-10 Abstracts v4:1*, p. 120.
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64. 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.
65. 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.

66. Meert, J.G., 1994. IMSLAK: A new terrane recognized within East Gondwana?, GSA Annual Meeting Abstracts, 26, p. A-340.
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 70. 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.
 71. 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.
 72. 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.
 73. 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.
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 79. Meert, J. and Smith, D.L., 1988. Temperature measurements and heat flow at the Platanares, Honduras geothermal site, EOS, 69, p. 1451.
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Symposia, Seminars & Mini Courses

1. Paleomagnetism, geochronology, glaciations and Ediacaran(?) organisms from the Lesser Karatau microcontinent, Kazakhstan, Department Geological Sciences, University of Florida, Nov 2009 Seminar.
2. India's Place in Precambrian plate reconstructions, invited talk 6th Nordic Paleomagnetic workshop, Lulea Sweden, September, 2009.
3. Shell NTP New Mexico Field trip and minicourse, Taos, New Mexico, August 2009.
4. Evidence for Evolution, Café Scientifique Gainesville, Florida, September 2008.

5. Geochronology and paleomagnetism of the Dzabkhan volcanic sequence, Gobi Altai region, Mongolia, Mongolian Institute for Geology and Mineral Resources, Ulaan Bataar Mongolia, September 2007.
6. The creation evolution battle: An inside look. Atheist, Agnostic and Free thinking Society, Gainesville, FL. November 2006.
7. The Snowball Earth, Florida Association of Science Teachers Annual Meeting, Gainesville, FL October 2006.
8. Adventures in Deep Time, Café Scientifique, Gainesville, Fl, February 2006.
9. A history of supercontinents, Mongolian Academy of Sciences, Ulaan Bataar, Mongolia, Sept. 2005.
10. State of the Snowball: A 2005 Update, University of Florida, February 2005.
11. A history of supercontinents, GSA Penrose Conference, St. George Utah, October 2004.
12. Preliminary paleomagnetic results from the Arbuckle Dolerites, 5th Nordic Paleomagnetic Workshop, Suitia Finland Sept 2004.
13. Inclination only studies and the dipole field, 5th Nordic Paleomagnetic Workshop, Suitia Finland Sept 2004 (invited).
14. Neoproterozoic Plate Tectonics, Models and Speculations, Florida State University, September 2003.
15. Non-Dipole Fields and Inclination Bias, Florida State University, September 2003.
16. The HOG Hypothesis and other Proterozoic Oddities, University of Florida, November 2002.
17. The HOG Hypothesis: Constraining Neoproterozoic plate motions, Kansas University, March 2002.
18. Proterozoic Geodynamics: Trondheim Geology Club, April 2001.
19. Geodynamics of Supercontinent Assembly and breakup, Université Paul Sabatier, Toulouse, France, March 2001.
20. Paleogeography Mini Course, Université 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 Scandinavian Paleomagnetic Workshop, Trondheim, Norway, 1994.
 35. On the formation of Gondwana in the Latest Proterozoic, invited symposium, University of Texas-Arlington, 1994.
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Grants/Contracts Applied/Received

1. National Science Foundation: **Ediacaran Paleomagnetism and geochronology of eastern Baltica: A key to paleogeography and climatic history of the continent**, \$307,959, under consideration.
2. National Science Foundation: **Further refinement of India's Proterozoic paleogeography and Geochronology**, \$188,090, 7/1/2009-6/30/2011. EAR09-10888.
3. National Science Foundation, **The assembly of East Gondwana: A Proterozoic perspective from India**, \$174,527 (7/2004-6/2007) EAR04-09101.
4. 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)
5. 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.
6. CNRS France **"Eclipse 2003 Studying ancient climates**, US participant, total award 35000 euros to several institutions.
7. **Invited Professorship: Academie de Toulouse**, Universite Paul Sabatier, Toulouse France, 2001 (40,000 FF).
8. **CIES Fulbright Scholar Program for Norway 2000-2001** (awarded 12/7/1999), 138,000 NoKr.
9. 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.

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 2009.
5. M.S. Thesis Supervisor Shawn Malone, "*Paleomagnetic and geochronologic constraints on the Upper Vindhyan sequence, India*", awarded August 2007.
6. Ph.D. Supervisor Vimal Pradhan, "*Paleomagnetic and geochronologic investigation of Proterozoic dike swarms in India*", expected 2010.
7. M.S. Supervisor Laura Gregory, "*Paleomagnetic studies of Neoproterozoic rocks in Indian and Mongolia*", awarded 2008.
8. M.S. Supervisor Candler Turner, "*Detrital zircon geochronology of the Vindhyan and Marwar Supergroups, India: Keys to the Precambrian history of north-central India*", expected 2012.

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.

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 Paolo, "*Paleomagnetisme de Cap Carbonates du craton Amazonian Brazil: Implications pour les glaciations du Neoproterozoique*, awarded 2005.

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"

Other (Community Service & Licenses)

1. 2008- Private Pilot Certificate Airplane Single Engine Land (ASEL).
2. 2008- Co-pilot on Angel Flights.
3. 2008- Faculty Advisor: Gator Aviators UF Sponsored Student Organization
4. 2007-2008: Vice Chair Florida Citizens for Science