

ALAN FREDERICK HALFEN, M.S.

Curriculum Vitae

University of Kansas, Department of Geography
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Updated: March 2011

EDUCATION

- Doctor of Philosophy (exp. 05/12)
Advisor: William C. Johnson, Ph.D.
Department of Geography, University of Kansas
Dissertation: *Eolian dune fields of Kansas and their response to Late-Quaternary megadroughts*
Committee Members: Joel Q.G. Spencer, Ph.D., *Kansas State University*
Nathaniel A. Brunsell, Ph.D., *University of Kansas*
Daniel R. Hirmas, Ph.D., *University of Kansas*
Stephen T. Hasiotis, Ph.D., *University of Kansas*
- Master of Science (05/07)
Advisor: Glen G. Fredlund, Ph.D.
Department of Geography, University of Wisconsin-Milwaukee
Thesis: *Late Quaternary chronology and stratigraphy of the Casper Dune Field, Casper, Wyoming, USA.*
- Bachelor of Science (05/05)
Advisor: J. Elmo Rawling III, Ph.D.
Department of Geography, University of Wisconsin-Platteville
Major: *Geography – Physical geography emphasis*

ACADEMIC APPOINTMENTS

- Adjunct Faculty
Department of Geography and Earth Sciences, Carthage College
Courses Taught: *Process Geomorphology*
Introduction to Physical Geography
01/08 – 06/08

GRADUATE TEACHING EXPERIENCE

- Lecturer
Department of Geography, University of Kansas
Courses Taught: *Principles of Physical Geography*
08/08 – Present
- Lab Instructor
Department of Geography, University of Kansas
Courses Taught: *Introduction to Meteorology*
01/09 – 05/09
- Lab Instructor
Department of Geography, University of Wisconsin-Milwaukee
Courses Taught: *The Geography of Soils*
Introduction to Physical Geography
08/05 – 05/08

GRADUATE RESEARCH ASSISTANTSHIPS

- 01/11 – Present
NSF funded research: "Evaluating the Potential of Stereoscopic Display for Geographic Education" Awarded to: *Slocum, T., Egbert, S., and Johnson, W.C.*
Associated Research Activities: *Assist in the implementation of equipment and technology*
Develop stereoscopic teaching materials and lesson plans
Assist in the instruction of students

RESEARCH SPECIALTIES

Eolian Geomorphology: The modern and prehistoric formation, modification, and morphology of sand dunes and sand seas, especially those of the North American Great Plains.

Optically Stimulated Luminescence Dating: The laboratory techniques and applications for dating Quaternary sediments using optical dating techniques.

Quaternary Landscapes and Climate Change: The landscape and landform response to Quaternary climate change, especially that of the Great Plains and upper Midwest.

ONGOING RESEARCH PROJECTS *(research collaborators)*

Quaternary Dune Atlas (International Union of Quaternary Research project 0704): This international research collaboration aims to develop a global database of eolian dune fields. I serve as a regional correspondent for North America. www.inquadunesatlas.dri.edu. (*Nick Lancaster, Desert Research Institute; Steve Wolfe, Geological Survey of Canada; and others*)

Use of stereoscopic displays for teaching physical geography: Supported by NSF, this two-year study seeks to investigate the benefits of using a stereoscopic display ("GeoWall") to teach undergraduate students concepts in physical geography. I serve as a researcher assistant responsible for developing and implementing course materials. (*Terry Slocum, Steve Egbert, Bill Johnson, University of Kansas; Dave McDermott, Haskell University; and others*)

Archaeology and OSL dating of coastal dunes, Florida, USA: Severe weather events are quickly eroding the shorelines on northwestern Florida taking important archaeological sites with them. This research exams a coastal dune system, their evolution, and their use Paleoindian culture. (*Bill Johnson, University of Kansas*)

Oklahoma silt dunes, Oklahoma, USA: Several eolian dune-like features are found in the panhandle of Oklahoma, however, these features are composed of silt, not sand. This research aims to investigate the origin and timing of these unique features. (*Steve McGowen, NRCS; Brian Carter, Oklahoma State University; Lee Bement, University of Oklahoma; and others*)

Quaternary terrace mapping of the Kansas River, Kansas, USA: Four Quaternary alluvial terraces are found within the Kansas River valley. The goal of this research is to map and better define the age and stratigraphy of these terraces. (*Bill Johnson, University of Kansas*)

Landscape and archaeological history of the Tanana River Lowlands, Alaska, USA: Sand dunes in the Tanana River Lowlands contain a rich record of early human occupation of interior Alaska. This research aims to better define the chronology and character of environmental change over the past 15,000 years. (*Ed Gaines, Colorado State University and Bill Johnson, University of Kansas*)

Karst management in the Cockpit Country, Jamaica: Resource exploration and mining in the Cockpit Country of Jamaica has threatened one of the last pristine Karst landscapes of the Western Hemisphere. This and other research is being used to push for recognition of the Cockpit Country as a UN World Heritage Site. (*Mick Day, University of Wisconsin–Milwaukee and Sean Chenoweth, University of Southern Florida*)

Phytoliths and regional climate signals from playa lakes in Texas, USA: Phytoliths are plant-specific, silica bodies, and are useful in defining Late-Quaternary climate. This research investigates whether phytoliths are regional or local indicators of climate. (*Glen Fredlund, University of Wisconsin–Milwaukee; Vance Holliday, University of Arizona; and James Mayer, Texas Christian University*)

Ant bioturbation and mixing rates: Ants, and other soil biota, are often underappreciated as a principle component of pedogenesis. This ongoing research uses a neoichnological approach to study the behaviors and quantify the soil-mixing rates of Ants. (*Steve Hasiotis, University of Kansas*)

RESEARCH HIGHLIGHTS AND AWARDS

- I was selected to represent the University at the Kansas Capitol Research Summit in February 2011, where I presented my research on prehistoric megadroughts of Kansas to the Kansas state officials.
- My manuscript, "Traces and burrowing behaviors of the western harvester ant *Pogonomymrex occidentalis*: paleopedogenic and paleoecological significance", was the BIOone-featured *PALAIOS* article for December 2010.
- In 2010, I was awarded a National Science Foundation, Doctoral Dissertation Research Improvement Grant for my proposal "Holocene megadroughts of the Central Great Plains".
- In October 2009, I was awarded "best student paper" for my talk "Significance of the western harvester ant in soil bioturbation and pedological development: results of neoichnology experiments" at the Soil Science Society of America International Conference, Pittsburgh, PA, USA.

FELLOWSHIPS

University of Kansas Department of Geography Fellowship. 08/08 – 05/11. \$12,000.

U.S. National Committee of Soil Science Wilford R. Gardner Fellowship (used to support travel to the 19th World Congress of Soil Science, Brisbane, Australia). 08/10. \$2,000.

University of Wisconsin-Milwaukee Mary Jo Read Geography Fellowship. 08/07 – 05/08. \$5,000.

GRANTS RECEIVED

2011

University of Kansas, Doctoral Student Research Fund: funding to support research on eolian dunes of the Kansas River valley, KS, USA. \$1,500.

University of Kansas, Department of Geography: conference funding for the 18th Congress of the International Union of Quaternary Research, Bern, Switzerland. \$600.

University of Kansas, Department of Geography: conference funding for the Association of American Geographers Annual Conference, Seattle, WA, USA. \$175.

2010

National Science Foundation, Doctoral Dissertation Research Improvement Grant (NSF-DDRI): Holocene megadroughts of the Central Great Plains (EBS-1030254). \$11,970. (*Johnson and Halfen*)

Geological Society of America Research Grant: funding to support research on eolian dunes in the Arkansas River valley, KS, USA. \$3,402.

American Philosophical Society, Lewis and Clark Fund for Exploration and Field Research: funding to support research on eolian dunes in the Arkansas River valley, KS, USA. \$2,000.

University of Kansas College of Liberal Arts and Science, Office of the Dean: conference funding for the 19th World Congress of Soil Science, Brisbane, Australia. \$700.

University of Kansas Graduate School, Office of the Dean: conference funding for the 19th World Congress of Soil Science, Brisbane, Australia. \$700.

University of Kansas, Department of Geography: conference funding for the 19th World Congress of Soil Science, Brisbane, Australia. \$600.

Geological Society of America Travel Grant: conference funding for the Geological Society of America Annual Conference, Denver, CO, USA. \$175.

University of Kansas, Department of Geography: conference funding for the Association of American Geographers GPRM Conference, Lawrence, KS, USA. \$50.

2009

University of Kansas Graduate School Travel Grant: conference funding for the Soil Society of America Annual Conference, Pittsburgh, PA, USA. \$400.

Geological Society of America Travel Grant: conference funding for the Geological Society of America Annual Conference, Portland, OR, USA. \$175.

University of Kansas Geography Student Organization Travel Grant: conference funding for the American Association of Petroleum Geologists, Denver, CO, USA. \$100.

2008

Geological Society of America Travel Grant: conference funding for the Joint Geological Society of America and Soil Science Society of America Annual Conference, Houston, TX, USA. \$175.

2007

Geological Society of America Travel Grant: conference funding for the Joint Geological Society of America Annual Conference, Denver, CO, USA. \$150.

2006

United States Geological Survey research support: funding for 12 optically stimulated luminescence ages. \$12,000.

University of Arizona National Science Foundation AMS Laboratory research support: funding for 20 radiocarbon ages. \$12,000.

Geological Society of America Research Grant: funding to support research on eolian dunes in Casper Wyoming. \$2,000.

University of Wisconsin-Milwaukee Mary Jo Read Field Research Grant: funding to support research on eolian dunes in Casper Wyoming. \$1,700.

University of Wisconsin-Platteville Pioneer Geomorphology Lab funding support: funding for particle size analysis for 68 samples. \$850.

University of Wisconsin-Milwaukee Graduate School Research Grant: funding to support research on eolian dunes in Casper Wyoming. \$400.

REFEREED ARTICLES (*including those accepted or in review*)

Halfen, A.F., Koop, A.N., Johnson, W.C., (2011 *in review*). Eolian dune fields of Kansas: a map to guide the search for Paleoindian sites. *Current Research in the Pleistocene* 28.

Halfen, A.F., Fredlund, G.G., and Mahan, S.M., 2010. Late Quaternary Geochronology and Stratigraphy of the Casper Dune Field, Casper, Wyoming, USA. *The Holocene* 20(5): 773–783.

Halfen, A.F., and Hasiotis, S.T., 2010. Traces and Burrowing Behaviors of the Western Harvester Ant *Pogonomymrex occidentalis*: Paleopedogenic and Paleoecological Significance. *PALAIOS* 25: 703–720.

Halfen, A.F., and Hasiotis, S.T., 2010. Downward Thinking: Rethinking the “Up” in Soil Bioturbation. In: Gilkes, R.J., and Prakongkep, N. (eds.), *Proceedings of the 19th World Soil Congress; Soil Solutions for a Changing World*. Published on DVD, <http://www.iuss.org>: 1–4.

Hasiotis, S.T., and **Halfen, A.F.**, 2010. The Story of O: The Dominance of Organisms as a Soil-Forming Factor From a Geologic Perspective and Neoichnological Approach. In: Gilkes, R.J., and Prakongkep, N. (eds.), *Proceedings of the 19th World Soil Congress; Soil Solutions for a Changing World*. Published on DVD, <http://www.iuss.org>: 1–4.

BOOK CHAPTERS

Day, M.J., **Halfen, A.F.**, and Chenoweth, S., 2011. Boundaries and Disturbance in the Cockpit Country, Jamaica. In Van Baynen, P. (ed.), *Karst Management*, Springer, USA. (no page data yet).

ARTICLES IN PREPERATION

Halfen, A.F., and Hasiotis, S.T. Mixing Rates of the Western Harvester Ant: New Insights Into Ant Bioturbation. *Intended for the Soil Science Society of America Journal*.

Halfen, A.F., and Hasiotis, S.T. The advective and diffusive mixing of soils. *Intended for Nature, Science, PNAS, or similar Journal*.

Johnson, W.C., **Halfen, A.F.**, Hanson, P.R., Woodburn, T.L., and Young, A.R. Late-Holocene Dune Activity in the Hutchinson Dunes, Central Kansas, USA. *Intended for the Aeolian Research*.

Halfen, A.F., Johnson, W.C., Hanson, P.R., Spencer, J.Q.G., and Young, A.R. The Great Plains’ Oldest Sand Dunes. *Intended for Geology*.

Halfen, A.F., Johnson, W.C., Hanson, P.R., Spencer, J.Q.G., and Young, A.R. Late-Holocene dune activity in the Arkansas River Dunes, Western Kansas. *Intended for the Holocene, Aeolian Research, or similar Journal*.

OTHER PUBLICATIONS

Halfen, A.F., 2011. *Sedimentology and Stratigraphy, 2nd Edition*, Nichols, G., Wiley-Blackwell, West Sussex, UK. Book review for *PALAIOS*, published online.

Halfen, A.F., 2010. *Geodiscovery Media Module Questions: Discovering Physical Geography 2nd Edition*, (by) Alan F. Arbogast. John Wiley and Sons Inc., Hoboken, New Jersey USA.

Johnson, W.C. and **Halfen, A.F.**, 2009. Geoarchaeological Investigations in the McCormick Road and Whitside Project Areas—Fort Riley, Kansas. Report to the Center for Environmental Management of Military Lands, Colorado State University.

Halfen, A.F., 2009. *Essential Soil Science: A Clear and Concise Introduction to Soil Science*, Ashman, M.R. and Puri, G., Blackwell, Malden, Massachusetts, USA. Book review for *PALAIOS*, published online.

Halfen, A.F., and Desousa, C. (eds.), 2008. State of the City Report: Milwaukee, WI 2008. UWM Center for Economic Development Web Publication, published online.

Halfen, A.F., 2008. The state of Milwaukee’s Brownfield’s. In: Halfen, A.F., and Desousa, C. (eds.), *State of the City Report: Milwaukee, WI*. UWM Center for Economic Development Web Publication, published online.

Halfen, A.F., 2007. Late Quaternary Geochronology and Stratigraphy of the Casper Dune Field, Casper, Wyoming, USA. University of Wisconsin-Milwaukee, Masters Thesis, pp. 143.

Ronnurud, J. and **Halfen, A.F.** (eds.), 2005. Cheese Factories of Lafayette County, Wisconsin. Willings Print and Design, Darlington, WI. pp. 135.

CONFERENCE PROCEEDINGS

Halfen, A.F., 2011. The Past, Current, and Future of North American Great Plains Dune Field Research: Linking Chronological Data to Climate. 18th Congress of the International Union for Quaternary Research, Bern, Switzerland.

Halfen, A.F., and Johnson, W.C., 2011. Medieval Climatic Anomaly and Little Ice Age Dune Activity in the Arkansas River Valley, Central Great Plains, USA. 18th International Union for Quaternary Research Congress, Bern, Switzerland.

Halfen, A.F., Johnson, W.C., Hanson, P.R., Spencer, J.Q.G., Woodburn, T.L., and Young, A.R., 2011. Rapid climate shifts, dune activity, and megadroughts in the central Great Plains around the Medieval Climatic Anomaly and Little Ice Age. Association of American Geographers Annual Meeting, Seattle, WA, USA.

Johnson, W.C., Mason, J.A., Woodburn, T.L., **Halfen, A.F.**, Hasiotis, S.T., and Moore, R., 2011. The Pleistocene–Holocene Transition in the Central Great Plains: An Unashamed Lust for Loess. Association of American Geographers Annual Meeting, Seattle, WA, USA.

Halfen, A.F., Johnson, W.C., Hanson, P.R., Spencer, J.Q.G., Woodburn, T.L., and Young, A.R., 2010. A new high-resolution chronology of megadrought following the Medieval Climatic Anomaly and the Little Ice Age in the Central Great Plains, USA. American Geophysical Union International Conference, San Francisco, CA, USA.

Halfen, A.F., Johnson, W.C., Hanson, P.R., Spencer, J.Q.G., and Young, A.R., 2010. The Great Plains' Oldest Sand Dunes. Association of American Geographers Great Plains-Rocky Mountains Regional Meeting, Lawrence, Kansas, USA.

Johnson, W.C., **Halfen, A.F.**, McGowen, S., Carter, B.J., and Bement, L.C., 2010. Silt dunes of Panhandle Oklahoma. Association of American Geographers Great Plains-Rocky Mountains Regional Meeting, Lawrence, Kansas, USA.

Halfen, A.F., Johnson, W.C., Hanson, P.R., Woodburn, T.L., and Young, A.R., 2010. New ages of dune activity during and following the Medieval Climatic Anomaly on the eastern margin of the Great Plains. Geological Society of America Annual Meeting, Denver, Colorado, USA.

Halfen, A.F., Johnson, W.C., Hanson, P.R., Spencer, J.Q.G., and Young, A.R., 2010. Geomorphology and activation chronology of the Arkansas River dune field. Geological Society of America Annual Meeting, Denver, Colorado, USA.

Rockel, R.A., Wooten, S.M., Sanderson, B.F., **Halfen, A.F.**, and Johnson, W.C., 2010. Geological mapping and stratigraphic characterization of alluvial landforms within the lower Kansas River valley: an undergraduate USGS EDMAP experience. Geological Society of America Annual Meeting, Denver, Colorado, USA.

Halfen, A.F., and Hasiotis, S.T., 2010. Downward Thinking: Rethinking the “Up” in Soil Bioturbation. 19th World Soil Congress, Brisbane, New Queensland, Australia.

Hasiotis, S.T., and **Halfen, A.F.**, 2010. The Story of O: The Dominance of Organisms as a Soil-Forming Factor From a Geologic Perspective and Neoichnological Approach. 19th World Soil Congress, Brisbane, New Queensland, Australia.

- Hasiotis, S.T., and **Halfen, A.F.**, 2010. Biota as a Major Soil-forming Factor and Ecosystem Engineers Through Recent Earth History Based on Continental Trace Fossils: Soil Biota as Geoengineers. Geological Society of American Rocky Mountain Meeting, Rapid City, South Dakota, USA.
- Halfen, A.F.**, and Hasiotis, S.T., 2010. New Insights of Soil Bioturbation by the Ant and Other Soil-Dwelling Organisms: Modern and Paleopedologic Significance. American Association of Petroleum Geologist International Conference and Exhibition, New Orleans, Louisiana, USA.
- Day, M.J., and **Halfen, A.F.**, 2009. Boundaries and Disturbance in the Cockpit Country, Jamaica. International Cave Conference: U-Cave in Danyang, Danyang-gun, Chungcheongbuk-do, Korea.
- Halfen, A.F.**, and Hasiotis, S.T., 2009. Significance of the Western Harvester Ant in Soil Bioturbation and Pedological Development: Results of Neoichnology Experiments (New data presented). Soil Science Society of America International Conference, Pittsburgh, Pennsylvania, USA.
- Halfen, A.F.**, Spencer, J.Q.G., Johnson, W.C., Hanson, P.R., and Young, A.R., 2009. Luminescence ages for dune Activation on A Pleistocene terrace of the Kansas River valley. Geological Society of America Annual Meeting, Portland, Oregon, USA.
- Halfen, A.F.**, and Hasiotis, S.T., 2009. Significance of the Western Harvester Ant in Soil Bioturbation and Pedological Development: Results of Neoichnology Experiments. Geological Society of America Annual Meeting, Portland, Oregon, USA.
- Johnson, W.C., Hanson, P.R., **Halfen, A.F.**, Woodburn, T., Young, A.R., 2009. Late Holocene dune activation after the Medieval Climatic Anomaly in the Arkansas River Valley, south-central Kansas. Geological Society of America Annual Meeting, Portland, Oregon, USA.
- Halfen, A.F.**, and Hasiotis, S.T., 2009. Traces and Burrowing Behaviors of the Western Harvester Ant *Pogonomymrex occidentalis*: Paleopedogenic and Paleoecological Significance. American Association of Petroleum Geologist International Conference and Exhibition, Denver, Colorado, USA.
- Halfen, A.F.**, Fredlund, G.G., Mayer, J.A., and Holliday, V.T., 2008. Inferring Vegetation and Climate from Playa Phytolith Assemblages. Geological Society of America Annual Meeting, Houston, Texas, USA.
- Halfen, A.F.**, Fredlund, G.G., and Mahan, S.A., 2007. Holocene Geochronology and Stratigraphy of the Casper Dune Field, Casper, Wyoming, USA. Geological Society of America Annual Meeting, Denver, Colorado, USA.
- Day, M.J., and **Halfen, A.F.**, 2007. Applications of a Karst Disturbance Index: Case Study - Jamaican Cockpit Country. Windsor Research Center - Cockpit Country Symposium, Windsor, Jamaica.
- Halfen, A.F.**, Fredlund, G.G., and Mahan, S.A., 2006. Late Quaternary Geochronology and Stratigraphy of the Casper Dune Field, Casper, Wyoming, USA. Geological Society of America Annual Meeting, Philadelphia, Pennsylvania, USA.

INVITED PRESENTATIONS

The past, current, and future of North American Great Plains dune field research: linking chronological data to climate. 18th International Union for Quaternary Research Congress, Bern, Switzerland. 07/11.

Rocks and minerals: an introductory to geology. Lawrence, Kansas Chapter of the Boy Scouts of America. Lawrence, KS, USA. 01/11.

The Great Plains' oldest dunes: preliminary results and landscape history of the Robinson Tract. Kansas Biological Survey Colloquium Series. Lawrence, KS, USA. 05/10.

What's beneath our feet? An introduction to the Earth. Lawrence, Kansas Chapter of the Boy Scouts of America. Lawrence, KS, USA. 02/10.

Holocene geochronology and stratigraphy of the Casper Dune Field, Casper, Wyoming, USA. University of Wisconsin-Milwaukee Department of Geoscience "Soft Rock Series", Milwaukee, WI, USA. 04/07.

Holocene geochronology and stratigraphy of the Casper Dune Field, Casper, Wyoming, USA. University of Wisconsin-Milwaukee Department of Geography Colloquium Series, Milwaukee, WI, USA. 04/07.

Late-Quaternary geochronology and stratigraphy of the Casper Dune Field, Casper, Wyoming, USA. University of Arizona Physics Department: AMS Laboratory Colloquium Presentation, Tucson, AZ, USA. 09/06.

VOLUNTEERED PRESENTATIONS

Medieval Climatic Anomaly and Little Ice Age Dune Activity in the Arkansas River Valley, Central Great Plains, USA. 18th International Union for Quaternary Research Congress, Bern, Switzerland. 07/11.

Rapid climate shifts, dune activity, and megadroughts in the central Great Plains around the Medieval Climatic Anomaly and Little Ice Age. Assoc. of American Geographers Annual Meeting, Seattle, WA, USA. 04/11.

A new high-resolution chronology of megadrought following the Medieval Climatic Anomaly and the Little Ice Age in the Central Great Plains, USA. Amer. Geophysical Union International Conf., San Francisco, CA, USA.

New ages of dune activity during and following the Medieval Climatic Anomaly on the eastern margin of the Great Plains. Geological Society of America Annual Meeting, Denver, Colorado, USA. 11/10

Geomorphology and activation chronology of the Arkansas River dune field. Geological Society of America Annual Meeting, Denver, CO, USA. 11/10.

The Great Plains' oldest sand dunes. Association of American Geographers Great Plains-Rocky Mountains Regional Meeting, Lawrence, KS, USA. 10/10.

Downward thinking: rethinking the "up" in soil bioturbation. 19th World Soil Congress, Brisbane, New Queensland, Australia. 07/10.

New insights of soil bioturbation by the ant and other soil-dwelling organisms: modern and paleopedologic significance. Amer. Assoc. of Petroleum Geologist Intern. Conference, New Orleans, LA, USA. 04/10.

Significance of the western harvester ant in soil bioturbation and pedological development: results of neoichnology experiments. Soil Science Society of America International Conference, Pittsburgh, PA, USA. 10/09.

Luminescence ages for dune activation on a Pleistocene terrace of the Kansas River valley. Geological Society of America Annual Meeting, Portland, OR, USA. 10/09.

Preliminary report—significance of the western harvester ant in soil bioturbation and pedological development: results of neoichnology experiments. Geological Soc. of Amer. Annual Meeting, Portland, OR, USA. 10/09.

Traces and burrowing behaviors of the western harvester ant *Pogonomyrmex occidentalis*: paleopedogenic and paleoecological significance. Amer. Asso. of Petroleum Geologist Inter. Conf., Denver, CO, USA. 06/09.

Inferring vegetation and climate from playa phytolith assemblages. Geological Society of America Annual Meeting, Houston, TX, USA. 10/08.

Holocene geochronology and stratigraphy of the Casper Dune Field, Casper, Wyoming, USA. Geological Society of America Annual Meeting, Denver, CO, USA. 10/07.

Late-Quaternary geochronology and stratigraphy of the Casper Dune Field, Casper, Wyoming, USA. Geological Society of America Annual Meeting, Philadelphia, PA, USA. 10/06.

WORKSHOP/PANEL PARTICIPATION

Panelist, American Geological Institute and United States Geological Survey cosponsored GeoConnection Webinar discussion on the USGS Educational Mapping Program, September 21, 2010.

PROFESSIONAL SERVICE

Committee Member, Geological Society of America Annual Program Committee 07/11 – Present

UNIVERSITY SERVICE

KU Geography physical geography lab coordinator 08/10 – Present
KU Geography graduate student representative to the faculty 08/10 – Present
KU Geography graduate student representative on the colloquium committee 08/08 – Present
KU Geography new student orientation 08/10
UW-Milwaukee graduate student representative to the faculty 08/07 – 05/08
UW-Milwaukee Department of Geography Colloquium Committee 08/06 – 01/08
UW-Milwaukee New Teaching Assistant Orientation 08/07

PROFESSIONAL AFFILIATIONS

American Association of Geographers (AAG) 2005 – Present
American Association of Petroleum Geologist (AAPG) 2009 – Present
American Geophysical Union (AGU) 2009 – Present
Geological Association of America (GSA) 2005 – Present
International Society of Aeolian Research (ISAR) 2008 – Present
Charter Member (Journal of Aeolian Research)
Soil Science Society of America (SSSA) 2009 – Present
American Association of Petroleum Geologist (AAPG) 2009 – Present
Society for Sedimentary Geology (SEPM) 2009 – Present