

Curriculum Vitae

Mark William Bowen, Ph.D.

Department of Geography
Minnesota State University, Mankato
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EDUCATION

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| Doctor of Philosophy (2011)
Advisor: William C. Johnson | Geography, University of Kansas
Dissertation: <i>Spatial Distribution and Geomorphic Evolution of Playa Wetlands on the Kansas High Plains: Implications for a Changing Environment</i> |
| Master of Science (2004)
Advisor: Robert T. Pavlowsky | Resource Planning, Missouri State University
Thesis: <i>Consequences of Reservoir Drainage on Downstream Water Chemistry, Suspended Sediment, and Nutrients, Southwest Missouri</i> |
| Bachelor of Science (2000) | Missouri State University
Major: Geography
Minor: Computer Information Systems |

PROFESSIONAL APPOINTMENTS

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| 2018 – Present | Assistant Professor, Geography, Minnesota State University, Mankato |
| 2017 – 2018 | Associate Professor, Geography and Urban Planning, University of Wisconsin Oshkosh |
| 2011 – 2017 | Assistant Professor, Geography and Urban Planning, University of Wisconsin Oshkosh |
| 2007 – 2011 | Graduate Research Assistant, Geography, University of Kansas |
| 2005 – 2011 | Research Assistant, United States Geological Survey, Lawrence, Kansas |
| 2004 – 2008 | Graduate Teaching Assistant, Geography, University of Kansas |
| 2003 | Graduate Teaching Assistant, Geography, Geology, and Planning, Missouri State University |
| 2002 – 2004 | Graduate Research Assistant, Geography, Geology, and Planning, Missouri State University |
| 2000 – 2001 | Chemistry and Earth Sciences Librarian Assistant, Washington University in Saint Louis |

TEACHING EXPERIENCE

2018	Soils Geomorphology
2018	Introductory Physical Geography
2018	Geography Senior Capstone
2018	Earth Transformed
2013 – Present	Water Resource Management
2012 – Present	Principles of Soil Science
2012 – Present	Independent Study: Soil Research Topics and Techniques
2011 – Present	Introduction to Physical Geography: Landforms and Soils (lecture and lab)
2012 – 2013	Environmental Conservation
2012	Advanced Topics in Physical Geography: Global Climates and Landscapes
2011	Introduction of Physical Geography: Weather and Climate Laboratory
2007 – 2008	Introduction to Soil Geography Laboratory
2007	Principles of Physical Geography
2007	Field Methods in Geographic Research
2004 – 2007	Introductory Meteorology Laboratory
2003	Special Topics in Geography Graduate Seminar: Water Quality

RESEARCH EXPERIENCE

2017 – Present	Characterizing the geomorphic response of tropical rivers to increased hurricane frequency and intensity and land cover change
2017 – Present	Mapping the distribution of mining contaminated soils and sediment in Wisconsin watersheds
2015 – Present	Examining the impact of low-head dams on stream morphology
2015 – Present	Monitoring and modeling water movement through playa hydric soils during hydroperiods
2011 – Present	Evaluating impacts of land cover and climate change on sediment delivery, playa water storage volume, and groundwater recharge
2006 – Present	Investigating playa and lunette stratigraphy and morphology to reconstruct paleoenvironments and geomorphic processes
2006 – Present	Developing novel GIS-remote sensing techniques to identify and map wetlands, wetland (hydric) soils, and other water resources
2006 – 2011	Applied the Hydrogeomorphic Approach to assess playa wetland ecological functions and identify factors impacting those functions
2007 – 2010	Analyzed stream channel response to large floods using USGS stream gage data
2006 – 2008	Determined response and recovery of mountain streams to a 100- to 500-year flood along the Colorado Front Range
2007	Developed and implemented standard operating procedures for soil particle-size analysis using a Malvern Mastersizer laser diffractometer

2006	Investigated sediment sources to Perry Lake and Lake Wabaunsee using select chemical tracers, northeast Kansas
2005	Estimated degree of soil formation on a 12-year old flood deposit of the Kansas River, Douglas County, Kansas
2005	Mapped surface Cretaceous and Quaternary geology: USGS EdMap project for Norton County, Kansas
2004	Assessed stream channel response to urbanization, Greene County, MO
2004	Conducted Phase One Environmental Assessment of North Dry Sac Watershed, Southwest Missouri
2003 – 2004	Implemented Total Maximum Daily Load water quality program for James River Watershed, Southwest Missouri
2002 – 2004	Conducted Phase One Environmental Assessment of Valley Mill Watershed, Greene County, Missouri

RESEARCH AND TEACHING INTERESTS

- Soils and soil geomorphology
- Quaternary geology and geomorphology
- Water resources
- Paleoclimates and environmental change
- GIS and Spatial Analysis

PUBLICATIONS

Bowen, Mark W., William C. Johnson, and Dylan A. King. 2018. Lunette Dunes on the High Plains of Western Kansas as Foci for Geoarchaeological and Paleoenvironmental Research. *Physical Geography*, Vol. 39, No. 1, Pg. 21 – 37.

Bowen, Mark W. and William C. Johnson. 2017. Anthropogenically-accelerated sediment accumulation within playa wetlands as a result of land cover change on the High Plains of the central United States. *Geomorphology*, Vol. 294, Pg. 135 – 145.

Bowen, Mark W. and William C. Johnson, 2015. Holocene Records of Environmental Change in High Plains Playa Wetlands, Kansas, USA. *The Holocene*, Vol. 25, No. 11, Pg. 1838 – 1851.

Bowen, Mark W. 2014. *Landforms and Soils Laboratory Manual*, Creative Commons copyright. Available at: <http://www.uwosh.edu/facstaff/bowenm/Labmanual-GEOG221.pdf> (*self-published, non-peer-reviewed*).

Bowen, Mark W. 2014. *Landforms and Soils Online Laboratory Manual*, Creative Commons copyright. Available at: <http://www.uwosh.edu/facstaff/bowenm/Labmanual-GEOG221online.pdf> (*self-published, non-peer-reviewed*).

- Johnson, William C., **Mark W. Bowen**, and Stephen A. Egbert, 2012. Playas on the High Plains of Western Kansas – Mapping and Characterization of Playa Basins on the High Plains of Western Kansas and Development of a Regional Subclass-Specific Guidebook for Applying the Hydrogeomorphic (HGM) Approach to Assessing Wetland Functions of Playa Basin Depressional Wetlands. *EPA Region 7, Hydrogeomorphic Approach Guidebook series*.
- Bowen, Mark W. and William C. Johnson, 2012. Lunette distribution on the High Plains of Kansas – a guide to seeking Paleoindian sites. *Current Research in the Pleistocene*, Vol. 28.
- Bowen, Mark W. and William C. Johnson, 2012. Late-Quaternary Environmental Reconstructions throughout Playa-Lunette Evolution on the Central High Plains of Kansas, United States. *Geological Society of America Bulletin*, Vol. 124 (1-2): 146-161.
- Bowen, Mark W. and Kyle E. Juracek, 2011. Assessment of the Geomorphic Effects of Large Floods using Stream-Gage Information. *Physical Geography*, Vol. 32 (1): 52-77.
- Johnson, William C., Terri L. Woodburn and **Mark W. Bowen**, 2011. Revised Geologic Map, Norton County. Kansas Geological Survey, Map Series.
- Bowen, Mark W., William C. Johnson, Stephen L. Egbert, Scott T. Klopfenstein, 2010. A GIS-Based Approach to Identify and Map Playa Wetlands on the High Plains, Kansas, USA. *Wetlands*, Vol. 30 (4): 675-684.
- Juracek, Kyle E., and **Mark W. Bowen**, 2010. Channel Geomorphic Responses to Disturbances Assessed Using Streamgage Information. *Proceedings, Second Joint Federal Interagency Conference -- Ninth Federal Interagency Sedimentation Conference*, Las Vegas, NV, June 27-July 1, 2010. 10 p.
- Bowen, Mark W., 2010. Differential Heating. In *Encyclopedia of Geography*, Barney Warf (Ed.). Sage Publications.
- Bowen, Mark W., W.C. Johnson, S.T. Klopfenstein, and J.W. Dunham, 2009. Developing a Geospatial Database of Playas within the High Plains of Kansas. *Current Research in the Pleistocene*, Vol. 26: 191-193.
- Contributing author, 2008. A Laboratory Guide to Meteorology, 3rd Ed. Cengage Learning.
- Campbell, J. S., W. C. Johnson, and **M. W. Bowen**, 2007. Mapping High Plains Playas as a Means to Identifying Potential Paleoindian Archaeological Sites. *Current Research in the Pleistocene*, Vol. 24: 194-195.

Bowen, Mark W., 2003. Consequences of Reservoir Drainage on Sediment and Nutrient Transport. *Papers of the Applied Geography Conference* Vol. 26: 424-433.

PROFESSIONAL PRESENTATIONS

Bowen, Mark W., William C. Johnson, and Melissa Goldade, 2017. Distribution and Geomorphology of Lunette Dunes on the Kansas High Plains. *Geological Society of America Abstracts with Programs* 49(7).

R.L. Stotler, W.C. Johnson, D.J. Burt, **M.W. Bowen**, K. Salley. 2017. Investigations of Playa Basins as Point Source Recharge to the High Plains Aquifer. 22nd Annual Rainwater Basin Joint Venture Informational Seminar, Grand Island, NE.

Bowen, Mark W. 2016. Evaluating the Effects of Environmental Change on Wetlands and Water Resources of the Central High Plains. University of Wisconsin Oshkosh, College of Letters and Science Dean's Symposium.

Johnson, William C., Dakota Burt, **Mark W. Bowen**, Randy Stotler, and Kaitlin Salley. 2016. An Investigation into Playa Basins as a Point Source of Recharge of the High Plains Aquifer, Kansas. Governor's Conference on the Future of Water in Kansas. Manhattan, KS.

Johnson, William C. and **Mark W. Bowen**. 2016. Playa Basins as a Point Source for Recharge of the High Plains Aquifer, Central Great Plains, USA. *Geological Society of America Abstracts with Programs* 48(7).

Bowen, Mark W. and William C. Johnson. 2016. Lunette Dunes on the High Plains of Western Kansas: High-Resolution Records of Paleoenvironmental Change and Geomorphic Evolution. *Geological Society of America Abstracts with Programs* 48(7).

Bowen, Mark W. and William C. Johnson. 2016. Evaluating the Effects of Environmental Change on High Plains Playa Wetlands from the Pleistocene-Holocene Transition through the Anthropocene. American Quaternary Association 24th Biennial Meeting, Santa Fe, New Mexico.

Alexander, Laurie, Genevieve Ali, Nandita Basu, **Mark W. Bowen**, and others. 2016. North American Analysis and Synthesis of the Connectivity of Wetlands to Downstream Waters. USGS Powell Center Symposium, Fort Collins, Colorado.

Goldade, Melissa M., William C. Johnson, Jude H. Kastens, **Mark W. Bowen**, Daniel R. Hirmas. 2016. Morphometric and Spatial Perspectives on Playa Basins in the Kansas High Plains. *Association of American Geographers Annual Meeting Abstracts - San Francisco 2016*.

- Bowen, Mark W. Impacts of Environmental Change on High Plains Playa Wetlands. Kansas State University, Department of Geography Symposium Series, February 2016.
- Bowen, Mark W. and William C. Johnson. 2015. Historical Sediment Accumulation within High Plains Playa Wetlands as a Result of Human Modification of the Short Grass Prairie. Geological Society of America *Abstracts with Programs* 47(5).
- Burt, Dakota, **Mark W. Bowen**, and Dylan King. 2015. Carbon Sequestration within Wetland, Cropland, and Grassland Soils of the High Plains. Association of American Geographers *Annual Meeting Abstracts – Chicago 2015*.
- King, Dylan, **Mark W. Bowen**, and Dakota Burt. 2015. Distribution and Morphometry of Playa-Lunette Systems on the High Plains of Kansas. Association of American Geographers *Annual Meeting Abstracts – Chicago 2015*.
- Johnson, William C., and **Mark W. Bowen**. 2014. Progressive Loss of Kansas Playas: Sources of Biodiversity and Potential Groundwater Recharge. Governor's Conference on the Future of Water in Kansas. Manhattan, KS.
- Johnson, William C., **Mark W. Bowen**, and Melissa M. Goldade. 2014. Hydrogeomorphic Attributes of the High Plains Playas, Western Kansas, 59th Annual Midwest Ground Water Conference, Lawrence, KS.
- Johnson, William C., Melissa M. Goldade, and **Mark W. Bowen**. 2014. Playas on the High Plains of Kansas. Kansas Academy of Science 146th Annual Meeting, Emporia, KS.
- Bowen, Mark W. and William C. Johnson, 2013. Late Quaternary Climate Changes on the Central High Plains Recorded in Playa-Lunette Systems. Geological Society of America *2013 Annual Meeting Abstracts* 45(7).
- Bowen, Mark W., William C. Johnson, and Chelsy A. Herring, 2012. Evaluating the Impacts of Environmental Change on Playa Form and Function. Geological Society of America *Abstracts with Programs* 44(5).
- Herring, Chelsy A. and **Mark W. Bowen**, 2012. Evidence of Rapid Climate Change Events Preserved within Playa Wetlands on the Central High Plains, Kansas, USA. American Quaternary Association 22nd Biennial Meeting, Duluth, MN.
- Bowen, Mark W. and William C. Johnson, 2011. Lithostratigraphy and Paleoenvironments of Playa-Lunette Systems on the Kansas High Plains. Geological Society of America *Abstracts with Programs* 43 (5).

Bowen, Mark W. and William C. Johnson, 2010. Spatial Distribution and Geomorphic Evolution of Playa-Lunette Systems on the Kansas High Plains. Geological Society of America *Abstracts with Programs* 42 (5).

Bowen, Mark W. and William C. Johnson, 2010. Late-Quaternary Paleoenvironment and Playa-Lunette System Evolution on the Central High Plains. Association of American Geographers Great Plains-Rocky Mountain Regional Meeting, Lawrence, Kansas.

Johnson, William C. and **Mark W. Bowen**, 2010. Playas of Kansas – Form, Function, and History. Kansas Alliance for Wetlands and Streams Annual Meeting.

Bowen, Mark W. and William C. Johnson, 2009. Playa Lake Response to Rapid Climate Changes during the Late-Pleistocene and Holocene on the High Plains of Kansas. Geological Society of America *Abstracts with Programs* 41 (6): 247.

Bowen, Mark W. and William C. Johnson, 2008. Environmental History of Playas: The Eolian-Fluvial Systems of the High Plains of Kansas. 39th Annual Binghamton Geomorphology Symposium.

Bowen, Mark W. and William C. Johnson, 2008. Playa-Lunette Systems and Paleoenvironmental Changes on the Central High Plains. Geological Society of America *Abstracts with Programs* 40 (6): 146.

Bowen, Mark W. and William C. Johnson, 2008. Landscape Response to Climate Change Recorded within Playa-Lunette Systems on the Central High Plains, Kansas. American Quaternary Association 20th Biennial Meeting.

Bowen, Mark W., 2008. Stratigraphic Investigations of High Plains Playas for Landscape Reconstruction. Association of American Geographers *Annual Meeting Abstracts – Boston 2008*.

Bowen, Mark W., 2007. University of Kansas GIS Day Symposium: Identifying and Mapping Playa Basins on the Kansas High Plains.

Bowen, Mark W. and W.C. Johnson. 2007. Mapping and Stratigraphic Investigations of Playa Basins on the High Plains of Kansas. Geological Society of America *Abstracts with Programs* 39 (6):302.

Bowen, Mark W., W.C. Johnson, and A. Gray, 2007. Identification and Mapping of Playa Lakes within a GIS Environment for the High Plains of Kansas. Geological Society of America *Abstracts with Programs* 39 (3):26.

- Bowen, Mark W., 2007. Human Constructs, Channel Morphology, and the 100-Year to 500-Year Flood along the Colorado Front Range. Association of American Geographers *Annual Meeting Abstracts – San Francisco 2007*.
- Bowen, Mark W., 2006. Impact of Bridge Structures on Channel Morphology during a Flood Event along the Colorado Front Range. Invited Lecturer, University of Missouri, Department of Geography and Center for Arts and Humanities, Fall Colloquium Series.
- Bowen, Mark W., 2005. Short-Term Water Quality Variation in a Karst Spring, Southwest Missouri. Association of American Geographers *Annual Meeting Abstracts – Denver 2005*.
- Bowen, Mark W., 2003. Spatial Distribution of Nitrogen and Phosphorus in the Valley Mill Reservoir Study Area, Greene County, Missouri. 26th Annual Applied Geography Conference – Colorado Springs.
- Bowen, Mark W., 2003. Consequences of Reservoir Drainage on Sediment and Nutrient Transport. 26th Annual Applied Geography Conference – Colorado Springs.
- Bowen, Mark W., 2003. Effects of Reservoir Drawdown on Water Quality in a Small Reservoir, Southwest Missouri. Association of American Geographers *Annual Meeting Abstracts – New Orleans 2003*.

GRANTS AND AWARDS

- Beseler, Brianna and **Mark W. Bowen**. 2018. Undergraduate Student/Faculty Collaborative Research Grant Proposal Competition. *Characterizing the Geomorphology of Coastal Montane Streams in Jamaica: Implications of Land Use Change and Increased Hurricane Frequency*. Award Amount: \$3,000 stipend plus \$550 for supplies.
- King, Dylan and **Mark W. Bowen**. 2016. UW Oshkosh, Undergraduate Student/Faculty Collaborative Research Small Grants Proposal Competition. *Examining the effects of low-head dams in eastern Wisconsin on the upstream and downstream morphology of rivers*. Award Amount: \$516.
- Bowen, Mark W. 2015. University of Wisconsin Oshkosh College of Letters and Sciences Excellence in Mentoring Award. Award Amount: \$250.
- King, Dylan and **Mark W. Bowen**. 2015. Undergraduate Student/Faculty Collaborative Research Grant Proposal Competition. *Developing a geospatial database of lunette distribution and morphometry on the High Plains*. Award Amount: \$3,000 stipend plus \$535 for supplies.

- Mushet, David, Charles Lane, Mark Rains, and Scott Leibowitz. 2014. United State Geological Survey Powell Center Proposal Competition. *North American Analysis and Synthesis on the Connectivity of "Geographically Isolated Wetlands" to Downstream Waters*. Award Amount: \$43,084. *I participated in the drafting and review of this proposal as a member of the research group, although I am not listed as a PI or Co-PI.*
- Baker, Debra S., **Mark W. Bowen**, Johannes J. Feddema, Craig C. Freeman, Daniel R. Hirmas, Donald G. Huggins, William C., Johnson, Diane Knowles, Dana L. Peterson, Randy L. Stotler, Susan Stover, and Pamela L. Sullivan. 2014. United States Environmental Protection Agency, Region 7 Wetlands Program Development Grant Proposal Competition. *Project 1. Conversion of existing farm ponds to wetlands in agricultural landscapes for mitigation, land use treatment and conservation with a perspective toward climate change; Project 2. Investigation of playa lake recharge in the Ogallala Aquifer*. Award Amount: \$297,227.
- Bowen, Mark W. 2014. University of Wisconsin Oshkosh, Faculty Development Program Teaching Grant Proposal Competition. *Enhancing Instruction in a Large-Enrollment STEM Course by Developing a Laboratory Manual that Incorporates High Impact Teaching Practices and by Utilizing Improved Assessment Techniques*. Award Amount: \$2,445 plus 7.5% salary.
- Bowen, Mark W. 2014. University of Wisconsin Oshkosh, Faculty Development Fund Off-Campus Travel Component, *Integrating Undergraduate Research into the Curriculum Institute*, Council on Undergraduate Research, Award Amount: \$1,763.50.
- Bowen, Mark W. 2013. University of Wisconsin Oshkosh, College of Letters and Science, Social Sciences Division, Permanent Property Request. Konica Minolta CM-700d Spectrophotometer, Award Amount: \$12,968.
- Bowen, Mark W. and William C. Johnson. United States Fish and Wildlife Service, Playa Research Grant Proposal Competition, 2013 – 2016. *Evaluating the long-term impacts of land cover, climate, and buffer condition change on sediment delivery and playa storage volume*. Award Amount: \$113,901.
- Courtney, Paige and **Mark W. Bowen**. 2013. UW Oshkosh, Undergraduate Student/Faculty Collaborative Research Small Grants Proposal Competition. *Linking changes in climate to changes in sedimentation patterns within playa wetlands*. Award Amount: \$548.
- Herring, Chelsy and **Mark W. Bowen**. 2012. UW Oshkosh, Undergraduate Student/Faculty Collaborative Research Small Grants Proposal Competition. *Evidence of Rapid Climate Change Events Preserved within Playa Wetlands*. Award Amount: \$498.

- Bowen, Mark W. and William C. Johnson. 2012. Playa Lakes Joint Venture, Playa Lakes Joint Venture/ConocoPhillips Grant Proposal Competition. *Evaluating the impacts of land use and climate change on playa form and function and effectiveness of grass buffers to mitigate these impacts*. Award Amount: \$12,705.
- Bowen, Mark W. 2012. UW Oshkosh, Faculty Development Program Research Grant Proposal Competition. *Evaluating the impacts of land use and climate change on playa wetland form and function*. Award Amount: \$5,922 plus 15% salary.
- Bowen, Mark W., 2010. Geological Society of America. Annual Meeting Student Travel Grant.
- Bowen, Mark W., 2009. University of Kansas Summer Research Fellowship.
- Bowen, Mark W., 2009. University of Kansas, Department of Geography, Kollmorgen Graduate Research Scholarship. *Evidence of Rapid Climate Change Events Preserved within Playa-Lunette Systems*. Award amount: \$1,000.
- Bowen, Mark W., 2009. Geological Society of America. Annual Meeting Student Travel Grant.
- Bowen, Mark W., 2008. University of Kansas, Department of Geography, Kollmorgen Graduate Research Scholarship. *Linking Playa Sedimentation Rates to Land Use and Global Climate Changes*. Award amount: \$2,000.
- Bowen, Mark W. and William C. Johnson, 2008. The Nature Conservancy, Nebraska Chapter of the J. E. Weaver Competitive Grants Program. *Mapping and Evaluation of Playa Wetlands on the High Plains of Kansas*. Award amount: \$2,500.
- Bowen, Mark W., 2007. Geological Society of America. Annual Meeting Student Travel Grant.
- Bowen, Mark W., 2007. Association of American Geographers, Graduate Student Research Grant Proposal Competition, Water Resources Specialty Group, 103rd Annual Association of American Geographers Conference. *Role of Playa Lakes in Focusing Recharge to the Ogallala Aquifer on the High Plains of Western Kansas*. Award amount: \$500.
- Bowen, Mark W., 2007. Association of American Geographers, Dissertation Research Grant Proposal Award. *Soil Variability as an Indicator of Paleoclimate, Paleohydrology, and Playa Evolution on the High Plains of Kansas*. Award amount: \$500.
- Bowen, Mark W., 2007. Geological Society of America, Graduate Student Research Grant Proposal Award. *Soil Variability as an Indicator of Modern Hydrology, Paleohydrology, and Playa Origin and Evolution on the High Plains of Kansas*. Award amount: \$2,400.
- Bowen, Mark W., 2006. University of Kansas Graduate School Student Travel Grant.

PROFESSIONAL ASSOCIATIONS

American Quaternary Association

Association of American Geographers

- Water Resources Specialty Group
- Geomorphology Specialty Group
- Paleoenvironmental Change Specialty Group

Geological Society of America

- Quaternary Geology and Geomorphology Division
- Soils and Soil Processes Interdisciplinary Interest Group

PROFESSIONAL DEVELOPMENT

National Science Foundation, Division of Undergraduate Education, *What Does the Geoscience Landscape Look Like in the Badger State?* Faculty as Change Agents Workshop, November 2017

Wisconsin Council on Undergraduate Research, Take the Big Leap! Incorporating Research into Your Teaching Curriculum, October 2017

University of Wisconsin Oshkosh, Center for Excellence in Teaching and Learning. *Online Teaching Certificate*, Spring 2016

University of Wisconsin Oshkosh, Center for Excellence in Teaching and Learning. *Advising as Teaching Best Practices Certificate*, Spring 2016

University of Wisconsin Oshkosh, Center for Excellence in Teaching and Learning. *One Session Wonder – Advanced D2L*, December 4, 2014

University of Wisconsin System, Women and Science Program, *Opening Workshop for New STEM Educators*, Wisconsin Dells, WI, October 2 – 3, 2014

University of Wisconsin Oshkosh, Center for Excellence in Teaching and Learning. University Studies Program Explore Teaching Communities Workshop Series, spring 2014

Council on Undergraduate Research, *Integrating Undergraduate Research into the Curriculum*, Lakeland, FL, March 28 – 30, 2014

University of Wisconsin Oshkosh, Center for Excellence in Teaching and Learning. *One Session Wonder – Facilitating and Managing Classroom Discussions*, March 10, 2014

University of Wisconsin Oshkosh, Center for Excellence in Teaching and Learning. *One Session Wonder – Using ePortfolios in Your Course*, February 24, 2014

Malvern Instruments. *Masterclass 1: Understanding Laser Diffraction Particle Size Analysis Webinar*. January, 2014.

Malvern Instruments. *From the Application Laboratory – Lost in Statistics? Webinar*. December, 2013.

University of Wisconsin Oshkosh, Center for Excellence in Teaching and Learning. *One Session Wonder – Open Textbooks*, November 14, 2013

Occupational Safety and Health Administration and University of Wisconsin System. *Globally Harmonized System for Identification and Labeling of Hazardous Chemicals, HazComm 2012 Online Training*. November, 2013.

Council on Undergraduate Research, *Getting Started in Undergraduate Research for New, Future, and Current Faculty*, Denver, CO, October 26, 2013

University of Wisconsin Oshkosh. STEM Best Practices in Gateway Courses Workshop Series Certification. Spring semester, 2013.

University of Wisconsin Oshkosh, Center for Excellence in Teaching and Learning. *One Session Wonder – Assessment of Student Learning Online*, December, 2012

University of Wisconsin Oshkosh, College of Letters and Science. *Innovations in Pedagogy Workshop – Innovations in Global Pedagogy*, October, 2012

University of Wisconsin Oshkosh. University Studies Program Quest 1 Course Development Faculty College. May, 2012.

Council on Undergraduate Research Institute. *Beginning a Research Program in the Natural Sciences at a Predominantly Undergraduate Institution*. Hope College, November, 2011.

University of Wisconsin Oshkosh, College of Letters and Science. *Innovations in Pedagogy Workshop – Integrating Sustainability into your Classroom and Syllabus*, October, 2011.

University of Wisconsin Oshkosh, Center for Excellence in Teaching and Learning. *One Session Wonder – Leading Discussion*, Fall, 2011.

University of Wisconsin Oshkosh, Office of Grants and Faculty Development. *Faculty Development Research/Teaching workshop*. September, 2011.

University of Wisconsin Oshkosh. How to be a Competitive Grant Seeker in the Current Funding Climate webinar. September, 2011.

National Science Foundation. On the Cutting Edge – Preparing for an Academic Career in the Geoscience workshop. University of Nebraska, Lincoln, June, 2011.

PREVIOUS SERVICE

University of Wisconsin Oshkosh Departmental Service

Geography Senior Capstone Experience Coordinator (2018)

Academic Open House Planning Coordinator (2018)

Academic Department Associate Hiring Committee Chair (2017)

Geo-Quest Lecture, *Earth Transformed – Life in the Anthropocene* (September, 2017)

Curriculum Committee Chair (2015 – Present)

Recruitment and Retention Committee Member (2015 – Present)

Titan Preview Days Undergraduate Recruitment Representative (Spring 2014, Fall 2014 x 2, Fall 2015 x 2, Spring 2016, Fall 2016 x 2, Spring 2017)

Student Titan Employee Program Position Advisor – Physical Geography Assistant (2013 – Present)

Geo-Quest Lecture, *Soil, Water, and Agriculture – A Sustainable Future for America's Breadbasket?* (September, 2013)

Geography-Environmental Studies New-Faculty-Hire Search Committee (2012 – 2013)

Soils Research Laboratory Director (2011 – Present)

Map Room Coordinator (2011 – Present)

University of Wisconsin Oshkosh College/University Service

New Faculty Mentor for tenure-track hire in Biology Department (2017 – Present)

Celebration of Scholarship: Annual Student Research and Creative Activities Day Assistant (2013 and 2016)

Faculty Advisor University of Wisconsin Oshkosh Campus Cleanup Club (2015 – 2016)

University of Wisconsin Oshkosh Honors Program Honors Thesis Adviser (2015 – 2016)

Faculty Advisor University of Wisconsin Oshkosh Community Gardens Club (2012 – 2016)

Faculty Advisor University of Wisconsin Oshkosh Geography Club (2012 – 2016)

Student-Faculty Collaborative Research Grant Program Proposal Reviewer (2011 – Present)

Faculty Development Fund Research-Teaching Component Proposal Reviewer (2011 – Present)

Selected for the College of Letters and Science Excellence in Mentoring Award (2015)

McNair Scholar Program Mentor (2012 – 2013)

Extra-Institutional Service

Nominated for Geological Society of America Quaternary Geology and Geomorphology Division Panelist (2017)

Letters to a Pre-Scientist pen pal program (2016 – 2017)

Provided free soil sample analysis for local community members (2013, 2014, and 2016)

Reviewer, Coastal Processes, Hazards, and Society, Module 2: A Global Glance of the Geology of Coastal Landscapes, online course curriculum (2016)

Reviewer, Coastal Processes, Hazards, and Society, Module 3: Coastal Systems: Landscapes and Processes, online course curriculum (2016)

Science Olympiad State-Level Competition, Roads Scholar Coordinator (2015)

Science Olympiad Regional-Level Competition, Roads Scholar Coordinator (2015)

Technical Advisor to Kansas Alliance for Wetlands and Streams (2014 – Present)

Selected for a Councilor position in the Geosciences Division of the Council on Undergraduate Research. *Unable to serve due to university restrictions.* (2014)

Manuscript Reviews – I typically provide one to two manuscript reviews per year for professional journals including Geomorphology, Journal of Environmental Management, Wetlands, Environmental Monitoring and Assessment, Journal of the American Water Resources Association, and others

08/29/2018