

## JACQUELINE E. HUNTOON

Graduate School and Department of Geological Engineering and Sciences  
Michigan Technological University  
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### CURRICULUM VITAE

#### EXPERIENCE

- 10/05-pres. Dean of the Graduate School** – Michigan Technological University.  
**Duties:** Coordinate and oversee all aspects of graduate education, administer annual budget of ~\$6M, establish policies and procedures, facilitate continual improvements in graduate education through collaboration with Graduate Faculty Council, Graduate Student Council, University Senate, Dean’s Council, and University Executive Team.
- 12/08-pres. Program and Project Evaluator** – Center for Educational Technology, Research, and Assessment, Michigan Technological University.
- 6/04-pres. Professor** – Department of Geological and Mining Engineering and Sciences, Michigan Technological University, Houghton, MI.
- 6/96-9/03 Associate Professor**
- 8/90-6/96 Assistant Professor**
- Teaching Experience:** Undergraduate courses in Depositional Systems, Historical Geology, Introduction to Oceanography, Petroleum Geology, Sedimentology, and Stratigraphy. Graduate courses in Basin Analysis, Depositional Environments, Earth System Science, Engineering Process in Earth Science, Paleoclimatology, Sequence Stratigraphy, and field-based Geology of Utah’s National Parks and Monuments course.
- Research Interests:**
- Evolution of Sedimentary Basins. Field study (sediment characterization, depositional environments, paleogeographic and paleoclimatic reconstructions) and numerical modeling (tectonics, sediment transport, and sea level change).
  - Geoscience Education. Evaluation of the impact of interventions on teaching and learning, with particular emphasis on teacher education.
- 6/02-pres. Adjunct Faculty Member** – Department of Education, Michigan Technological University.
- 9/03-10/05 Program Director for Diversity and Education** – National Science Foundation, Directorate for Geosciences, Arlington, VA.  
**Duties:** Responsible for coordinating all aspects of programs related to diversity and education within the Directorate for Geosciences.

- 8/96-7/97**      **Visiting Scientist** – US Geological Survey, Denver, Colorado.  
**Duties:** Conducted field studies of Permian-Cretaceous sedimentary rocks in eastern Utah and collaborated on development of numerical models of sediment transport in fluvial systems.
- 5/87-9/87**      **Exploration Geologist** – Shell Offshore Inc., New Orleans, LA.  
**Duties:** Conducted a detailed examination of the evolution and hydrocarbon potential of a salt dome structure in the Gulf of Mexico.
- 6/86-5/90**      **Research Assistant** – Pennsylvania State University, University Park, PA.  
**Duties:** Performed ongoing research in the field of sedimentary basin evolution.
- 8/85-6/86**      **Teaching Assistant** – Pennsylvania State University, University Park, PA.  
**Duties:** Taught undergraduate labs for General Geology and Dynamics of the Earth.
- 9/84-8/85**      **Associate Instructor** – University of Utah, Salt Lake City, UT.  
**Duties:** Instructor for Preparatory Algebra.
- 9/83-1/84**      **Research Assistant** – University of Utah, Salt Lake City, UT.  
**Duties:** Technical review of the Department of Energy Environmental Assessment of a proposed nuclear waste repository near Canyonlands National Park, UT.
- 9/82-9/83**      **Teaching Assistant** – University of Utah, Salt Lake City, UT.  
**Duties:** Taught undergraduate labs for General Geology, Invertebrate Paleontology, Exploration and Mining Geology, Sedimentology, and Summer Field Camp.
- 3/82-8/82**      **Geologic Field Assistant** – United States Geological Survey, Menlo Park, CA.  
**Duties:** Carried out a detailed mapping project in the Mojave Desert.
- 6/81-9/81**      **Forestry Aid** – United States Forest Service, Cedar City, UT.  
**Duties:** Operated a visitor information center.

## EDUCATION

- 9/85-8/90**      **Ph.D. in Geology** – Pennsylvania State University, University Park, PA.  
**Dissertation Research:** Quantitative analysis of the thermal and sedimentological evolution of sedimentary basins with emphasis on the Triassic-Jurassic Newark rift basin, eastern North America.

- 9/82-9/85**      **M.S. in Geology** – University of Utah, Salt Lake City, UT.  
**Thesis Topic:** Depositional environments and paleotopographic relief of the White Rim Sandstone (Permian), Canyonlands National Park, UT.
- 9/80-9/81**      **B.S. in Geology** – University of California, Santa Cruz, CA.
- 9/77-9/80**      **Undergraduate Study in Geology** – Humboldt State University, Arcata, CA.

## **PROFESSIONAL LICENSURE AND CERTIFICATION**

Professional Geologist, State of Utah, License Number 5287026-2250.  
 Certificate in Evaluation Practice from The Evaluators Institute at George Washington University (in progress).

## **PROFESSIONAL SOCIETIES**

Geological Society of America.	American Evaluation Association
Society for Sedimentary Geology.	Council of Graduate Schools.
Sigma Xi.	Society for the Advancement of Chicanos and
National Association of Geoscience Teachers.	Native Americans in Science (life member).
Michigan Earth Science Teachers Association.	Utah Geological Association.

## **SPONSORED PROJECTS**

- 2009-2014**      Michigan Institute for Teaching Excellence Program (MiTEP): A model for improving Earth Science Education Nationwide: NSF DUE 0831948. CoPI, \$3,687,039.
- 2009-2010**      Field Training for Teachers in Earth System Science: MI Space Grant. PI, \$5,000. Support used entirely to provide scholarships to in-service teacher to attend Michigan Tech summer programs.
- 2008-2009**      Field Training for Teachers in Earth System Science: MI Space Grant. PI, \$5,000. Support used entirely to provide scholarships to in-service teacher to attend Michigan Tech summer programs.
- 2007-2008**      Field Training for Teachers in Earth System Science: MI Space Grant. CoPI, \$5,000. Support used entirely to provide scholarships to in-service teacher to attend Michigan Tech summer programs.
- 2006-2007**      Field Training for Teachers in Earth System Science: MI Space Grant. PI, \$5,000. Support used entirely to provide scholarships to in-service teacher to attend Michigan Tech summer programs.

- 2003-2005** Intergovernmental Personnel Act Assignment for Dr. Jacqueline E. Huntoon: NSF. \$274,588. Included support for ongoing research projects and IPA assignment.
- 2002-2004** On-Line Training for Secondary Math and Science Teachers: MI Virtual University. CoPI, \$30,000. Funding used to support initial development of new courses for the MS in Applied Science Education program and to partially fund a new faculty position in Michigan Tech's Department of Education.
- 2002-2003** Field Training for Teachers in Earth System Science: MI Space Grant. CoPI, \$10,000. Support used entirely to provide scholarships to in-service teachers to attend Michigan Tech summer programs.
- 2001-2003** Engineering in Pre-College Education: NSF. CoPI, \$1,009,607. \$94,903 awarded to Huntoon to develop and oversee new MS in Applied Earth Science Education program at Michigan Tech.
- 2001-2002** Structural Mapping Along the Uncompahgre Front: US Geological Survey Ed-Map Program. PI, \$27,215. Funding for geologic mapping carried out by Michigan Tech MS students and faculty.
- 2001-2002** Field Training for Teachers in Earth-System Science: MI Space Grant. CoPI, \$13,841. Support used entirely to provide scholarships to in-service teachers to attend Michigan Tech summer programs.
- 2001-2002** Support for Minority Students in an Earth-System Science Education Course: MI Space Grant. CoPI, \$10,535. Support used entirely to provide scholarships to in-service teachers to attend Michigan Tech summer programs.
- 2001** Engaging Teachers in Innovative Curriculum Development and Dissemination: State of MI Department of Education. CoPI, \$138,580. \$15,669 awarded to Huntoon to develop module on global change for in-service teachers.
- 2000-2005** Graduate Assistantships in Areas of National Need - Computational Geoscience and Engineering: NSF. CoPI, \$609,000. Funding used entirely for support of PhD students in computational geosciences.
- 2000-2001** Long-Term Global Climate Change: MI Space Grant. PI for undergraduate student K. Keranen, \$5,000.
- 2000-2001** Field Training for Teachers in Earth-System Science: MI Space Grant. CoPI, \$11,108. Support used entirely to provide scholarships to in-service teachers to attend MTU summer programs.

- 2000-2001** Support for Navajo Students in an Earth-System Science Education Course: MI Space Grant. CoPI, \$9,116. Support used entirely to provide scholarships to in-service teachers to attend Michigan Tech summer programs.
- 1999-2004** Geology of Utah's National Parks and Monuments: Education Materials for Earth Science Courses: NSF. PI, \$428,131. Support for development of multimedia CDs based on content and pedagogy of successful field course.
- 1998-1999** Geology of Utah's National Parks and Monuments: A field-based education program: NSF. PI, \$35,584. Support for development of field-based course for geoscience teachers and students.
- 1998** High-Resolution Subsurface Visualization: MI Space Grant. Lead PI for graduate student W. Everham, \$5,000.
- 1994-1997** Recovery of Bypassed Oil in the Dundee Formation Using Horizontal Drains: U.S. Department of Energy. CoPI \$2,684,300. \$100,000 awarded to Huntoon to oversee basin modeling portion of project.
- 1993-1995** Dynamic Enhanced Recovery Technologies: U.S. Department of Energy. CoPI, \$762,038. \$50,000 awarded to Huntoon to oversee basin modeling portion of project.
- 1993-1994** Research Experience for Undergraduates: NSF. PI, \$12,250. Support for undergraduate research investigations tied to prior NSF funding.
- 1992-1994** Evaluation of tectonic and eustatic effects on development of stratal packages in a foreland basin: Cretaceous Blackhawk Formation: NSF. PI, \$52,862. Documentation and modeling of parasequence development.
- 1991-1994** Evolution of the Permian-Triassic boundary in southeastern Utah: US Geological Survey. PI, \$1,500. Study of Paleozoic/Mesozoic boundary in Utah.
- 1988-1989** Dissertation Support: Sigma Xi Grant-in-Aid of Research; Krynine Fund Research Grant, Pennsylvania State University.
- 1983-1985** Master's Thesis Research Support: Marathon Oil Company (1984-1985); Graduate Research Fellowship, Department of Geology, University of Utah (1983-1984); Chevron Oil Company (1983-1984).

## **PROFESSIONAL CONSULTING**

- 2008-pres.** Project Evaluation Oversight Services for *Remote Sensing for Hazard Mitigation and Resource Protection in Pacific Latin America*. JS Gierke (PI) Michigan Tech. Funded by NSF PIRE 0530109.

- 2008-pres.** Project Evaluation Services for Increasing Expertise in Earth Science Education. B Baltensperger (PI) Michigan Tech. Funded by NSF GEO 0608039.
- 1999-2000** Geology of Natural Bridges National Monument: NPS, Geologic Resources Division.
- 1999** Web-Based Paleoclimatology Data in Earth Science Education: American Geological Institute.
- 1995** A Layperson's Guide to the Shafer Trail: NPS, Canyonlands N.P.
- 1992** Geophysical investigation of Grand Sable Dunes: Pictured Rocks National Lakeshore.

## **HONORS AND AWARDS**

- 2005-2008** National Association of Geology Teachers Distinguished Lecturer.
- 2002** A. I. Levorsen Award for Outstanding Contribution to Petroleum Geology, American Association of Petroleum Geologists.
- 2002** Elected to Active Membership in the American Association of Petroleum Geologists.
- 1999** Awarded the rank of Fellow in the Geological Society of America.
- 1999** Award for Excellence in Management and Leadership: Society for Sedimentary Geology, Rocky Mountain Section.
- 1999, 1987** Cover Photograph: American Association of Petroleum Geologists Bulletin.
- 1987-1990** Earth Systems Science Research Fellowship, The Pennsylvania State University.
- 1988-1989** Best Paper Award-Graduate Student Geosciences Colloquium, The Pennsylvania State University.

## **INVITED PRESENTATIONS**

- 2009** Evaluation Idea Exchange, NSF Math Science Partnership Learning Network Conference, Washington, DC. (Co-presenter with K. Bass and D. Hanley.)
- 2008** Colloquium, Department of Geology, University of Iowa, Iowa City.
- 2008** Tech Fund Board, Michigan Technological University.
- 2008** University Senate, Michigan Technological University.
- 2008** Keynote Speaker, Graduate Student Leadership Conference, School of Forest Research and Environmental Science, Michigan Technological University.

- 2008** Colloquium, Department of Geology, University of Akron, Ohio.
- 2007** Colloquium, Department of Geology, University of North Dakota, Grand Forks.
- 2006** Engineering Fundamentals, Michigan Technological University.
- 2007** Council of Graduate Schools 47<sup>th</sup> Annual Meeting, Seattle, Washington.
- 2007** Panelist, UNITED Conference, Northern Michigan University, Marquette.
- 2007** Honors Institute, Michigan Technological University.
- 2007** Career Center Advisory Board, Michigan Technological University.
- 2007** Alumni Association, Michigan Technological University.
- 2007** Perspectives (undergraduate general education), Michigan Technological University.
- 2007** Portage Lake District Library Community Outreach Event, Houghton, MI.
- 2007** Panelist, Council of Graduate Schools New Deans Summit, San Juan, Puerto Rico.
- 2006** Colloquium, Department of Geology University of Texas El Paso.
- 2006** Colloquium, Department of Geology, Northern Illinois University, DeKalb.
- 2006** Engineering Fundamentals, Michigan Technological University.
- 2006** Lunch-n-Learn, Graduate Student Council, Michigan Technological University.
- 2006** Panelist, Engaging the Non-diverse Classroom in Diversity, Northern Michigan University, Marquette. Available online at:  
<<http://mediasite.nmu.edu/mediasite/viewer/?cid=a79965bb-49fe-4c94-b271-96bc5c67e378>>.
- 2006** Geological Society of American Annual Meeting, Philadelphia, PA.
- 2006** Perspectives (undergraduate general education), Michigan Technological University.
- 2006** Honors Institute, Michigan Technological University.
- 2005** Colloquium, Department of Geological Sciences, University of Saskatchewan, Saskatoon, Canada.
- 2005** Council for Undergraduate Research, Alexandria, VA.
- 2004** NASA Earth Science Education Community Meeting, Asilomar, CA.
- 2004** NSF Directorate for Biological Sciences Advisory Committee Meeting, Arlington, VA.
- 2004** NASA Earth Science Education for the 21<sup>st</sup> Century Annual Meeting, Monterey, CA.
- 2004** National Science Board, Arlington, VA.
- 2004** Education and Diversity in the Geosciences, Exxon-Mobil, Houston, TX.
- 2004** Committee for Education and Human Resources Board Meeting, American Geophysical Union, Washington, DC.
- 2004** NSF Day, Paul Quinn College, Dallas, TX.
- 2003** Ecolunch, Michigan Technological University.
- 2002** Colloquium, Department of Geology, University of Minnesota, Duluth.
- 2002** AAPG Hedberg Research Conference, Late Paleozoic Tectonics and Hydrocarbon Systems of Western North America - The Greater Ancestral Rocky Mountains, Vail, CO (graduate student presented).
- 2002** 2002 National Summer Conference, Integrating Science and Mathematics Educational Research into Teaching, University of Maine, Orono, ME.
- 2002** Department of Geology, University of Kansas, Colloquium, Lawrence, KS.
- 2001** Michigan Earth Science Teachers Association Annual Meeting, Bay City, MI.
- 2001** Bioathalon, Biology Department, Michigan Technological University.
- 2000** Geological Society of America Annual Convention, Reno, NV.
- 1998** Global Basins Research Network Meeting, Houston, TX.

- 1996** U.S. Geological Survey Geology and Resources of the Paradox Basin Meeting, Durango, CO.
- 1995** Society of Exploration Geophysicists International Exposition and 65th Annual Meeting, Houston, TX.
- 1995** Society of Exploration Geophysicists Development and Production Forum, Snowmass, CO.
- 1994** Tech Tea Time, Michigan Technological University.
- 1994** Department of Geosciences, Pennsylvania State University, Colloquium, University Park, PA.
- 1994** Fluids Research Oriented Group, Michigan Technological University.
- 1994** Geology Department, University of Minnesota, Colloquium, Duluth, MN.
- 1993** Tech Tea Time, Michigan Technological University.
- 1993** Upper Peninsula Chapter American Institute of Mining Engineers, Negaunee, MI.
- 1993** Neighbors: International Ladies Group, guest speaker, Houghton, MI.
- 1992** U.S. Geological Survey Workshop on Pennsylvanian and Permian Sediments of the Paradox Basin, Denver, CO.
- 1992** Marquette Rotarians, Marquette, MI.
- 1992** Society for Sedimentary Geology Mesozoic of the Western Interior Theme Meeting, Ft. Collins, CO.
- 1992** Upper Peninsula Environmental Coalition, Marquette, MI.
- 1992** Soumi College, Hancock MI.
- 1991** Geography Department, Northern Michigan University, Colloquium, Marquette, MI.
- 1991** Committee for Campus Enrichment, Michigan Technological University.
- 1991** Lake Superior Biological Conference, Houghton, MI.
- 1991** Marathon Oil Company, Littleton, CO, 1991.
- 1991** Media Meet, WNMU Public Television, Marquette, MI.
- 1990** Sigma Xi, MTU.
- 1990** Fluids Research Oriented Group, MTU.

## **GRADUATE STUDENTS ADVISED**

### **PhD Students and Thesis Titles - (Year of Graduation in Parenthesis)**

- William Everham (2004) Thermal History of the Michigan Basin
- William Houston (2002) Modeling the Effect of Thrusting Style on The Evolution of Foreland Basin Stratigraphy
- Albert Wylie (2002) Log Curve Amplitude Slicing – Visualization of Well Log Amplitudes for Paleogeographic Reconstruction of the Middle Devonian Traverse Group, Michigan Basin.
- Robert Regis (1999) Late-Pleistocene glacial history of the central Upper Peninsula, Michigan.

### **MS Students and Thesis Titles - (Year of Graduation in Parenthesis)**

- Jason Evans (2007) Size and shape characterization of primary and elutriated very fine volcanic ash from Volcan Colima, Mexico.

Leonard Mankowski (2003) Structural Mapping of the Uncompahgre Front near Gateway, Colorado: Field Evidence of an Ancestral Rocky Mountain Decollement.

Tara Campbell (2003) Paleoclimatic Implications of the Permian Cutler Formation near Gateway, Colorado.

Steve Wyrembelski (2003) The Sedimentology and Stratigraphy of the Reany Creek Formation, Marquette County, Michigan: Evidence for a Non-Glacial Origin.

David Linari (2002) Design and Production of a Multimedia Earth Science Education Module.

William Everham (1998) Thermal History of a Deep Well in the Michigan Basin: Implications for a Complex Burial History.

Diane Van Luven (1995) Determination of the Influence of Wind on the Keweenaw Current in the Lake Superior Basin as Constrained by Advanced Very High Resolution Radiometer (AVHRR) Imagery.

Shaun Baker (1994) Depositional Analysis of the Black Dragon Member of the Triassic Moenkopi Formation, Southeastern Utah.

## **GRADUATE COMMITTEES**

### **PhD Committees - (Year of Graduation in Parenthesis)**

Adam Durant, Geology (2007); Pavel Sroubek, Geology (2007); Debbie Beach, Geology (2006); Julianne Jasken, Humanities (2004); Heidi Sherman, Geology (2004); Colleen Riley, Geology (2002); Dave Schneider, Geology (2001); Stephen Jukuri, Humanities (2000), Gerardo Carrasco, Geology (1999); John Graf, Geology (1998); Congli Wang, Environmental Engineering (1997); Judy Wells-Budd, Biology (1997).

### **MS Committees – (Year of Graduation in Parenthesis)**

Owen Mills, Geology (2008); Mike Dallavalle, Applied Science Education (2005); Lauren Frye, Environmental Engineering (2004); Jean Dunstan, Applied Science Education (2004); Leroy Steinbacher, Humanities (2003); Haibo Wan, Geology (2003); Deb Schueller, Humanities (2003); Oscar Sorenson (2003), Geology; Kristin Schourek, Applied Science Education (2003); Meaghan Castor, Geological Engineering (2002); Lynn Kraskouskas, Forestry (2002); Hirojuki Takeuchi, Environmental Engineering (2002); Amy Bastone, Environmental Engineering (2001); Christine Growhowski, Humanities (2001); Terra Bulloch, Geology (2000); Angela Lake, Civil Engineering (1999); Mike Carpenter, Geological Engineering (1998); Jeff Ebsch, Geological Engineering, (1998); Tammy Johnstone, Civil Engineering (1998); Paul Kimberly, Geology (1998); Catherine McKissock, Geology (1996); Radiana Mahaga, Business (1996); Kirsten Price, Geology (1996); Fred Pulka, Geology (1995); David Saja, Geology (1995); Dave Schneider, Geology (1994); Deborah Schueller, Geology (1994); Jon-Paul Suchoski, Geology (1994).

## **SERVICE**

### **Governing Board Member –**

Geological Society of America Council, 2007-present. Audit Committee Member. Council Liaison to Minorities and Women Committee, Biogeology and Microbiogeology Division, and Archeological Geology Division.

Graduate Education for Minorities (GEM). Programs Committee Member.

**Associate Editor** – Journal of Sedimentary Research 1998-present.

**World Heritage Site Nomination Reviewer** – IUGS review of UNESCO World Heritage site, 2007.

**Manuscript Reviewer** – Journal of Sedimentary Research (1995-2009); EOS (2008); Basin Research (2007-8); Journal of Geoscience Education (1999-2003; 2007-8); American Association of Petroleum Geologists Bulletin [including 2001 compilation] (1997-2003); Natural Resources Research (2003); Society for Sedimentary Geology Special Publications (2000); American Geological Institute (2000, 1997); Journal of Metamorphic Geology (1997); U.S. Geological Survey Professional Paper (1996); International Journal of Coal Geology (1996); Water Resources Research (1996); Geological Society of America Bulletin (1996, 1993); Tectonics (1994); Chemical Geology (1993).

**Committee of Visitors Team Member** – National Science Foundation, Directorate for Education and Human Resources, IGERT and GK-12 Program Review (2008).

**Site Visitor** – NSF Science and Technology Center Site Visit Team Member, NCED, Minneapolis, MN (2007-2008).

**External Advisory Committee Member** – Kettering Industrial Ecology Team, Kettering University, Flint, MI (2007).

**Proposal Review Panel Member** – National Science Foundation Directorate for Geosciences (2003; 1999); National Science Foundation, Division of Undergraduate Education (2002, 2001, 2000, 1998); Texas Board of Higher Education (2001); Sigma Xi (1992).

**Proposal Reviewer** – National Science Foundation (1995-2009); Petroleum Research Fund of the American Chemical Society (1996-2002); Natural Environment Research Council (U.K.) (2002, 2001, 2000); Baker Funds Award Committee, Ohio State University (2000, 1999).

**Content Reviewer** – Michigan Test for Teacher Certification, Integrated Science content area (2004, 2002).

**Award Nomination Reviewer** – Faculty Excellence Awards, University of Texas Pan American (2009).

**University Representative** – NASA Universities Space Research Association (2005-present).

**Workshop and Field Trip Leader** –

- 2004** Inquiry-Based Digital Laboratory Materials for Introductory Geology Courses, Geological Society of America Annual Meeting, Denver, CO, Co-Organizer.
- 2004** Geoscience Education Working Group, National Science Foundation, Arlington, VA, Lead Organizer.
- 2003** Determining the Size and Speed of Dinosaurs Using their Tracks: Michigan Earth Science Teachers Association Annual Conference, Lead Organizer.
- 2002** Permian-Triassic Depositional Systems, Paleogeography, Paleoclimate, and Hydrocarbon Resources in Canyonlands and Monument Valley, Southeastern Utah: Geological Society of America Annual Meeting. Field Trip, Lead Organizer.
- 2002** Developing and Assessing Inquiry-Based Materials for Teacher Education, National Summer Conference, Integrating Science and Mathematics Educational Research into Teaching. Workshop held on the campus of the University of Maine, Orono, ME.
- 2001** Field-based instruction for in-service teachers in Utah's National Parks: Michigan Earth Science Teachers Association Annual Conference.
- 1998** Permian-Triassic Depositional Systems, Paleogeography, Paleoclimate, and Hydrocarbon Resources in Canyonlands and Monument Valley, Southeastern Utah: American Association of Petroleum Geologists Annual Meeting. Field Trip, Co-Organizer.
- 1996** Permian-Triassic Depositional Systems, Paleogeography, Paleoclimate, and Hydrocarbon Resources in Canyonlands and Monument Valley, Southeastern Utah: Geological Society of America Annual Meeting. Field Trip, Co-Organizer.
- 1994** Permian-Triassic Depositional Systems, Paleogeography, Paleoclimate, and Hydrocarbon Resources in Canyonlands, Utah: Rocky Mountain Section Geological Society of America Annual Section Meeting. Field Trip, Co-Organizer.
- 1993** Mississippian-Jurassic Marine and Nonmarine Strata of the Colorado Plateau: Canadian Society of Petroleum Geologists Annual Meeting. Field Trip, Co-Organizer.
- 1991** The record of eolian and marine processes in the Permian White Rim Sandstone on the Colorado Plateau: U.S. Geological Survey Paradox Basin Group. Field Trip, Lead Organizer.

### **Symposium Organizer and Chair –**

- 2009** Applying Yourself: Five High Impact Actions that Will Make the Winning Difference in Your Graduate Application, Society for the Advancement of Chicanos and Native Americans, Dallas, TX, Lead-Organizer.
- 2004** Successful Programs for Increasing Diversity in the Geosciences, American Geophysical Union, Lead Organizer.
- 2004** Examples of Rigorous, Introductory Level, Earth System Science Coursework, Geological Society of America Annual Meeting, Lead Organizer.
- 2002** Design and Assessment of Computer-Based Instructional Materials for Geoscience Education, Geological Society of America Annual Meeting. Lead Organizer.
- 1992** Triassic-Jurassic Stratigraphy Session, Society of Economic Paleontologists and Mineralogists Mesozoic of the Western Interior Theme Meeting. Co-Organizer.
- 1990** Rifting of the Continents Session, American Geophysical Union, Annual Fall Meeting. Co-Organizer.

### **Invited Participant –**

- 2007** The Role of Departments in Preparing Future Geoscience Professionals, College of William and Mary, Williamsburg, VA.
- 2003** EarthScope Education and Outreach Theme Planning Workshop, National Park Service, Lakewood, CO.
- 2003** Developing the Earth Science Teacher Workforce: The Role of Geoscience Departments and Introductory Courses; A Small Workshop by Invitation, Sponsored by the National Association of Geoscience Teachers, and National Science Foundation, and American Geophysical Union, Washington, D.C.
- 2002** Preparing Tomorrow's Teachers to Meet the Demands of the Pedagogically-Rich Science and Mathematics Classroom, National Summer Conference, Integrating Science and Mathematics Educational Research into Teaching. Workshop held on the campus of the University of Maine, Orono, ME.

**Poster and Oral Presentation Judge** – Society for the Advancement of Chicanos and Native Americans in Science (2005-6); American Association of Petroleum Geologists (1992); Society for Sedimentary Geology (1993); MTU Graduate Student Colloquium (1993); U.P. Science Fair (2001, 1999).

**Faculty Advisor** – Advisor to the Provost Faculty Diversity, 2003; Undergraduate Geology Program Advisor, MTU, 2000-present; Undergraduate Earth Science Education Program Advisor, MTU, 2000-present; American Association of Petroleum Geologists Student Chapter,

1990-present; MTU Geology Club, 1990-1997; Society of Petroleum Engineers Student Chapter 1990-1997.

**National Committees** – Geological Society of America Committee for Minorities and Women, 2006-present; Digital Library for Earth System Education Diversity Committee, 2005.

**University Committees** – Advance Steering Committee (2008-present); Online and Distance Education Programs Committee (2008-present); External Support Committee (2005-present); Research Advisory Council (2005-present); Space Allocation Committee (2008); College of Sciences and Arts Dean Search Committee (2007-2008); AQIP Diversity Committee (2007); Dual Career Couples Committee (2007); College of Engineering Dean Search Committee (2006-2007); Proposition 2 Response Committee (2007); Earth and Space Science Teacher Preparation Program Review (Chair, 2003); WISE (Women in Science and Engineering) (2000-present) (Chair 2003); Geol. and Min. Eng. and Sci. Executive Committee, (2002-5); Geol. and Min. Eng. and Sci. Charter Committee (2002-2003); Geol. Eng. and Sci. Grievance Committee (2001-3); Revisions General Education Program Committee (2000-1); Department of Education Chair Search Committee (2000-1); Geol. Eng. and Sci. Graduate Committee (1999-2003); General Education Science Electives (1999-2000); Presidential Commission for Women (1997-2000); Geol. Eng. and Sci. Department Chair Search Committee (Chair, 1997-8); University Wellness Committee (1997-8); North Central Association Accreditation Preparation Committee (1997-8); Geol. Eng. and Sci. Seminar Coordinator (1996-7); Geol. Eng. and Sci. Curriculum and Instruction Committee (1995-8); Geol. Eng. and Sci. Grievance Committee (1995-8); Director of Seaman Mineral Museum and Mineralogist Faculty Position Search Committee (1994-5); Geol. Eng. and Sci. Scholarship and Fellowship Committee, (Chair, 1993-8); Committee for Graduate Women (1993-8); Honors and Awards Committee (1993-7); Committee for Campus Enrichment, (1992-9); Academic Women's Caucus Steering Committee (1991-4); Environmental Science Curriculum Committee (1991-2); University Direction and Planning Committee (1990-4).

**Expedition Team Member** - Superior-Baikal Connect Expedition, 1991-1992.

**Community Organizations** - League of Women Voters of the Copper Country, 1992-present (Treasurer 2001-2002, Natural Resources Portfolio Chair 2000-2001); Keweenaw Watertrail Association, 1996-2000 (Chair 1996-1998).

## **PUBLICATIONS**

(Undergraduate or Graduate Student Authors in Italics)

### **Peer-Reviewed Journal Articles**

Merriam, D.F., and **Huntoon, J.E., in review**, The Kansas Deep Borehole (KDB) in the Midcontinent Rift System (MRS): a heat-flow study of cratonic Precambrian rocks of the Midcontinent, USA.

*Evans, J., **Huntoon, J.E., and Rose, W.I., in prep.***, Size and shape characterization of primary and elutriated very fine volcanic ash from Volcan Colima, Mexico, *Geology*.

*Everham, W., **Huntoon, J.E., Barker, C., and Palewicz, M., in prep.***, New thermal maturity data from the Michigan Basin.

- Everham, W., **Huntoon, in prep.**, Thermal history of the Michigan Basin: New insights from modeling.
- Huntoon, J.E.**, Dubiel, R.F., Stanesco, J.D., Condon, S.M, **in prep.**, Linked variations in sea level and sediment supply produced by low-frequency climate cyclicity during the Late Paleozoic: *Journal of Sedimentary Research*.
- Mankowski, L.C.*, **Huntoon, J.E.**, and Huffman, A.C., **in prep.**, Ancestral Rocky Mountain deformation on the Uncompahgre Uplift: Implications for tectonic reconstructions.
- Huntoon, J.E.** and Lane, M., **2007**, Diversity in the Geosciences and Successful Strategies for Increasing Diversity: *Journal of Geoscience Education*, v. 66, n.6, p. 447-458.
- Wylie, A.S., and **Huntoon, J.E.**, **2003**, Log curve amplitude slicing - visualization of log data from the Devonian Traverse Group in the Michigan Basin, U.S.: *American Association of Petroleum Geologists Bulletin*, v. 87, n.4, p. 581-608.
- Huntoon, J.E.** and R. Ridky, **2002**, Examining long-term climate change on the web: *Journal of Geoscience Education*, v. 50, n.5, p. 497-514.
- Huntoon, J.E.**, Bluth, G.J.S., and Kennedy, W.A., **2001**, Measuring the effects of a research-based field experience on undergraduates and K-12 teachers: *Journal of Geoscience Education*, v. 49, n.3, p. 235-248.
- Houston, W.S.*, **Huntoon, J.E.**, and Kamola, D.L., **2000**, Modeling of Cretaceous foreland-basin parasequences, with implications for timing of Sevier thrusting: *Geology*, v. 28, n. 3 p. 267-270.
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