

**C. RENEE ROHS**  
**ASSOCIATE PROFESSOR OF GEOLOGY**

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Department of Geology/Geography  
Northwest Missouri State University  
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**Education**

Ph.D. Geology, 2001

University of Kansas: *Identifying Paleoproterozoic and Mesoproterozoic crustal domains within the Southern Granite and Rhyolite Province, Midcontinent North America.*

Relevant Coursework: Isotope Geochemistry, Cosmochemistry, Extensional Tectonics, Geophysics

Teaching Assistantship: Mineralogy, Optical Mineralogy, Petrology

M.S. Geology, 1994

Kansas State University: *Electromagnetic detection of saltwater in the shallow subsurface along the Saline River Russell County, Kansas*

B.S. in Geology, 1992

Kansas State University

**Academic and Professional Appointments**

2000-Present, Northwest Missouri State University

Associate Professor of Geology and Department Chair (2010 – present)

Associate Professor of Geology (2008-2010)

Assistant Professor of Geology (2000-2008)

*Mineralogy, Petrology, Geochemistry, Igneous Petrology, Field Methods, Field Trip, Senior Seminar, General Earth Science and Lab, General Geology and Lab*

2006-2007, Northwest Missouri State University, Faculty Assistant to the Provost

*Responsibilities and Committees: Deans Council, Academic Space Group, Tuition Exchange Program, Department Annual Visits, Program proposals and changes to CBHE, Academic and Financial Aid Appeals, Teaching and Learning Center, various other duties as assigned.*

1998-2000, Mineral Area College, Park Hills, MO, Science Instructor

*Earth Science, General Geology, Astronomy, General Chemistry  
International Studies Committee  
Missouri Community College Consortium*

1996-1998, University of Kansas, Department of Geology  
Graduate Teaching Assistant (academic year)  
Graduate Research Assistant (summer)

1994-1996, Kansas Department of Agriculture, Division Water Resources  
Environmental Scientist – Geologist, Basin Management Team  
*Responsibilities: Collect water data and develop a basin management plan for northwest Kansas including water use for tributaries to the Republican River.*

### **Publications and Presentations**

**Rohs, C.R.**, 2011, Departmental change in tenure and promotion process - getting down to specifics in tenure and promotion documents, CUR Quarterly, Summer 2011 Issue.

**Rohs, C.R.** and Johnson, A.W., 2010, Field geology of the British Isles: Combining faculty and student research with course development opportunities to create an international geology field course: GSA Abstracts with Programs Vol. 42, No. 5.

Johnson, A.W. and **Rohs, C.R.**, 2010, Assessing the effect of international field experiences on learning in the geosciences: GSA Abstracts with Programs Vol. 42, No. 5.

Aldieri, M., Johnson, A. W. and **Rohs, C. R.**, 2010, Petrology of the non-felsic rocks associated with the Silvermines Granite. GSA Abstracts with Programs, Vol. 42, No. 2.  
Undergraduate Research Project

Bulen, Casey L. and **Rohs, C.R.**, 2010, Mineralogical analyses of samples from the Buchan metamorphic series near Banff, Scotland GSA Abstracts with Programs, Vol. 42, No. 2.  
Undergraduate Research Project

Courter, Sara. J. and **Rohs, C.R.**, 2010, Petrology of volcanoclastic rocks in the Wiggins Formation, Southern Absaroka Range, Wyoming GSA Abstracts with Programs, Vol. 42, No. 2. Undergraduate Research Project

Hamlin, D. B., Johnson, A.W., and **Rohs, C.R.** 2010 Field Reconnaissance in the British Isles: An undergraduate perspective. GSA Abstracts with Programs, Vol. 42, No. 2.  
Undergraduate Research Project

Bennett, J. and **Rohs, C.R.**, 2009, Comparison of Archean gneisses in northern Wisconsin along the southern margin of the Superior Craton, GSA Abstracts with Programs Vol. 41, No. 4.  
Undergraduate Research Project

- Tomlin, K. and **Rohs, C.R.**, 2008, X-ray diffraction and petrographic analysis of the large diabase dike intruding the Silvermines granite in SE Missouri, GSA Abstracts with Programs, Vol. 40, No. 3. Undergraduate Research Project
- Rohs, C. R.**, 2008, Art meets science. Forum on Public Policy. *Submitted September 2007, Accepted January 2008.*
- Rohs, C.R.** and W.R. Van Schmus, 2007, Isotopic connections between basement rocks exposed in the St. Francois Mountains and the Arbuckle Mountains, southern mid-continent, North America. International Journal of Earth Sciences, Vol. 96, p. 599-611.
- Andersen, A.K. and **Rohs, C.R.**, 2007, Petrology and geochemistry of the Absaroka volcanic province, GSA Abstracts with Programs Vol. 39, No. 3, p. 59, Lawrence, KS Undergraduate Research Project
- Rohs, C.R.**, 2006, Geology Assessment Modules – A Preliminary Study, GSA Abstracts with Programs Vol. 38, No. 7, Philadelphia, PA.
- Andersen, A.K. and **Rohs, C.R.**, 2006, Comparison of igneous rocks of the Absaroka Province and the Yellowstone Volcanic Terrane, GSA Abstracts with Programs Vol. 38, No. 7, Philadelphia, PA.
- Rohs, C.R.**, 2006, Mineralogy and petrology of diabase intruding the Silvermines granite in Southeast Missouri. GSA Abstracts with Programs, v. 38, n. 1
- Rohs, C.R.**, 2005, Isotopic connections in the granite and rhyolite provinces of the southern midcontinent. GSA Abstracts with Programs, v. 37, n. 3.
- Rohs, C.R.**, 2005, Meteorite or Meteor-Wrong: A comparison of meteorites with terrestrial rocks. GSA Abstracts with Programs, v. 37, n. 3
- Villines, L.E. and **Rohs, C.R.**, 2005, Unique factors and surficial processes of the reverse estuarine system in the Estero Banderitas and Puerto San Carlos. Missouri Academy of Science Meeting, April 15, 2005, Jefferson City, MO
- Donahue, K. and **Rohs, C. R.**, 2005, Quantitative analysis of crystalline textures and structures in meteorites containing free iron. GSA Abstracts with Programs, v. 37, n. 3.
- Woodland, S. and **Rohs, C. R.**, 2005, Identification and quantitative analysis of chondrules in ordinary and carbonaceous chondrite meteorites. GSA Abstracts with Programs, v. 37, n. 3.

Barnes, M.E., Barnes, C.G., Miller, K.C., and **Rohs, C. R.**, 2005, *Episodic felsic and mafic magmatism and the growth of Southern Laurentia*, AAPG Sectional Meeting, Norman, OK, September 2005.

Invited presentation. Central Michigan University, Department of Geology, Mt. Pleasant, Michigan. October 25, 2004 "*Meteorite or Meteor-Wrong: A comparison of meteorites with terrestrial rocks*" and "*Continental growth in North American during the Proterozoic.*"

Collins, R. D. and **Rohs, C.R.**, 2004, Mineralogy of granite and rhyolite units in the St. Francois Mountains. GSA Abstracts with Programs, v.36, n. 2.

Van Boening, A., Goetz-Ensminger, S.L., **Rohs, C.R.**, Ham, N., 2003, Provenance of supraglacial clasts on the Matanuska Glacier, Alaska. GSA Abstracts with Programs, v. 35, n. 2

Walker, K.N., **Rohs, C.R.**, Goetz-Ensminger, S.L., 2003 Mineralogy of the Tolsona Mud Volcanoes in the Copper River Basin, Alaska GSA Abstracts with Programs, v. 35, n. 2.

**Rohs, C.R.**, Goetz, S.L., and Walker, K., 2004, Mineralogy and source material for the Tolsona Mud Volcanoes in the Copper River Basin, Alaska. GSA Abstracts with Programs, v. 36 n. 3

**Rohs, C.R.**, 2003, Mafic intrusions in the St. Francois Mountains of Southeast Missouri: A study of the petrology, geochemistry, geochronology, and tectonic emplacement. GSA Abstracts with Programs, v. 35, n. 2

**Rohs, C.R.** and Van Schmus, W.R., 2002, Continental growth along the southern margin of Laurentia during the late Paleoproterozoic and early Mesoproterozoic: GSA Abstracts with Programs, v. 34, n. 3, p. A-7

Barnes, M.A., **Rohs, C.R.**, Anthony, E.Y., Van Schmus, W.R., and Denison, R.E., 1999. Isotopic and elemental chemistry of subsurface Precambrian igneous rocks, west Texas and eastern New Mexico, *Rocky Mountain Geology*, v. 34, n. 2, p.245-262.

Invited presentation. International Conference on Basement Tectonics. Rolla, MO. May 19-22, 2002 *Continental growth along the southern margin of Laurentia during the late Paleoproterozoic and early Mesoproterozoic.*

Invited presentations. Northwest Missouri State University Board of Regents meeting, February 2002, *Meteorites: The Milton meteorite* and Fairfax Kiwanis Club, March 2002

**Selected Research Experience**

*Field research and geology of the Buchan and Barrovian metamorphic sequences in Scotland.* 2009, Applied Research Funds NWMSU \$2800

*Field geology of the British Isles.* 2008, Improvement of Teaching and Learning Funds, NWMSU \$5000

*Isotopic analysis of the Silver Mines diabase dike and Silvermines Granite in the St. Francois Mountains of SE Missouri.* Applied Research 2007, NWMSU \$4900

*High resolution mapping of mafic dikes in the Silvermines Granite, St. Francois Mountains of SE Missouri.* Applied Research 2007, NWMSU \$820

*Petrology of andesitic dike intrusions into the Absaroka Volcanic Supergroup.* Applied Research 2006, NWMSU. \$1385

*Geology Assessment Modules: prototype.* Applied Research 2005, NWMSU. \$3470

*Isotopic and petrologic analysis of the Silver Mines diabase dike in the St. Francois Mountains.* Faculty Research 2004, NWMSU. \$3784

*Meteorite or Meteor-Wrong? A comparison of meteorites with terrestrial rocks.* Faculty Research 2003, NWMSU. \$1100

*Clay Mineralogy of the Tolsona Mud Volcanoes, Alaska.* Applied Research 2002, NWMSU. \$5400

*Mafic Intrusions in the St. Francois Mountains of Southeast Missouri: A study of the petrology, geochemistry, geochronology, and tectonic emplacement.* Applied Research NWMSU 2001. \$2001

**Administrative and Leadership Experience****Leadership Positions**

Department of Geology/Geography Department Chair (2010 to Present)

Faculty Assistant to the Provost (2006-07)

Faculty Senate: Curriculum and Degree Requirements Committee Chair – 2 years

Faculty Senate: Executive Committee – 2 years

Faculty Senate: Research Committee Chair – 3 years

Geology Faculty Lead – 2 years (2008-2010)

Missouri Academy of Science – Collegiate Division Chair (2008-09)

Geologic Society of America: South-Central Section Session Chair (2010)

**Supervision:** Research assistants, office assistants, laboratory assistants, graduate assistants, undergraduate research projects

**Budget experience:**

2010 Department Budget  
2006-07 Culture of Quality funding: Improvement of Teaching and Learning \$25,000.  
2007 Assisted Provost with faculty salary budget including COLA, salary increases or adjustments, and salary savings  
2002-05 Research Committee chair: \$80,000 budget  
Research projects as principal investigator (PI) or co-PI 2001-09: \$27,190  
Undergraduate Research Projects 2002-09: \$8500

**Awards**

Dean's Award for Excellence in Service, College of Arts and Sciences, 2009, \$800  
CITE Fellowship, Senior Seminar Assessment, Summer 2005, NWMSU, \$1000 awarded  
Commitment to Quality Award, Spring 2005, NWMSU

**Committees**

Chairs Council 2010 – Present  
Graduate Council 2010-11 and 2004-06, Northwest Missouri State University  
Thesis Review Committee (2005, 2006)  
Strategic Planning Team 2009-2010: Emerging Academics, Faculty Support, IT, and HR  
Strategic Planning Team 2009-2010: Student and Stakeholder Expectations  
Faculty Senate 2008-10, Northwest Missouri State University  
Senate Executive Committee 2008-10  
Curriculum and Degree Requirements 2008-10, chair  
5-year Evaluation Review Teams  
Presidential Search Committee 2008-09, Northwest Missouri State University  
Missouri Academy of Sciences 2008-2009: Collegiate Division Chair – Geology  
Accreditation: Category I Committee 2008-2009  
Assessment Committee 2005-07,  
Faculty Research Committee 2002-05, chair

**Faculty Sponsor for Student Organizations**

Geo-Club 2011-present, 2001-2003  
Sigma Gamma Epsilon – Earth Science Honor Society 2003-2006