

**KATHERINE S. POUND, Professor (Geology),
Atmospheric & Hydrologic Sciences Dept., St. Cloud State University, MN**

PROFESSIONAL PREPARATION:

Undergraduate:	Middlebury College	Geology	BA, 1981
Graduate:	University of Otago, Dunedin, New Zealand	Geology	Dip. Sci., 1982
Graduate:	University of Otago, Dunedin, New Zealand	Geology	PhD, 1993
Postdoctoral:	Monash University, Melbourne, Australia	Earth Science	1994-1996

APPOINTMENTS:

Professor, (Geology) Atmospheric & Hydrologic Sciences, St. Cloud State University, MN	2010-present
Associate Professor, Atmospheric & Hydrologic Sciences, St. Cloud State University, MN	2006-2010
Assistant Professor, Atmospheric & Hydrologic Sciences, St. Cloud State University, MN	2002-2006
Adjunct Professor, Geology Department, University of St. Thomas, St. Paul, MN	2000-2002
Adjunct Faculty, Center for Global Env. Education, Hamline University, St. Paul, MN	2000
Geologic Editor, Minnesota Geological Survey, St. Paul, MN	1998-2000
Staff Geologist, Minnesota Children's Museum (for Ms. Frizzle inside the Earth Exhibit)	1997
Adjunct Professor, Fond-du-Lac Tribal & Comm. College, Minneapolis Campus, MN	1996/1997
Postdoctoral Research Fellow / Project Leader, ACRC, Monash University, Australia	1995-1996
Postdoctoral Research Fellow, ARC Postdoc. Fellowship, Monash University, Australia	1994-1995
Research Assistant, Mass Spectrometry Lab, University of Washington, WA	1990-1992

SELECTED PUBLICATIONS:

- Pound, K.S.**, Norris, R.J., and Landis, C.A., 2014, *Eyre Creek mélangé: An accretionary prism shear zone mélangé in Caples Terrane rocks, Eyre Creek, northern Southland, New Zealand*. New Zealand Journal of Geology and Geophysics, Vol. 57, No. 1, p.1-20.
- Pound, K.**, Campbell, K., Schmitt, L., 2011. *An examination of the bedrock geology and the Mississippi River Valley in the Twin Cities: Pedagogical strategies for introductory geology field trips*, in Miller, J.D., Hudak, G.J., Wittkop, C., and McLaughlin, P.I., eds., *Archean to Anthropocene: Field Guides to the Geology of the Mid-Continent of North America: Geological Society of America Field Guide 24*, p.505-523. Doi: 10.1130/2011.0024(25).
- St. John, K., Leckie, R., **Pound, K.**, Jones, M., and Krissek, L., 2012, *Reconstructing Earth's Climate History, Inquiry-based Exercises for Lab and Class*, 485 p., Wiley-Blackwell, ISBN 978-1-1182-3294-1
- Pound, K.S.**, Krissek, L.A., Jones, M.H., Leckie, R.M., St. John, K., 2009, *Transferring ANDRILL Research on Antarctic Cenozoic Climate Change into the Classroom: Teaching Exercises that build Student Skills and Content Knowledge*, EOS Trans., AGU, 90 (52), Fall Meet. Suppl., Abstract PP43A-1553.
- Pound, K.S.**, and Panter, K.S., 2008, *Building on Decades of Research on the McMurdo Volcanic Group, Antarctica: A Geologic Field Guide to Observation Hill*, *Eos Trans. AGU*, 89(53), Fall Meet. Suppl., Abstract V13C-2137
- Pound, K.S.**, St. John, K., Krissek, L.A., Jones, M.H., Leckie, R. M., Pyle, E.J., 2008, *Why Drill Here? Teaching to Build Student Understanding of the Role Sediment Cores from Polar Regions play in Interpreting Climate Change*, *Eos Trans. AGU*, 89(53), Fall Meet. Suppl., Abstract ED33A-0612.
- Pound, Kate**, Jennings, Carrie E., Morin, Paul, 2006, *From Map Texture Observations to Geologic Interpretations: The Quaternary Glacio-Fluvial History of the Upper Midwest Using Anaglyph Stereo Maps* [abs.]: EOS Trans. AGU, Vol. 87, Fall Meeting Suppl., Abstract ED 53A-0849.
- Pound, Kate S.**, 2005, *Rock and Mineral "BINGO": Applying and assessing student rock and mineral knowledge and identification skills* [abs], Geological Society of America North-Central Section 39th Annual Mtg., Abstracts with Programs Volume 37, No. 5
- Pound, Kate**, 2004, *Letters to my Parents: Using letter-writing for learning and assessment in Introductory Geology Classes* [abs], Geological Society of America North-Central Section 38th Annual Mtg., Abstracts with Programs Volume 36, No. 3

- O'Dea, M.G., Lister, G.S., MacCready, T., Betts, P.G., Oliver, N.H.S., **Pound, K.S.**, Huang, W. and Valenta, R.K., 1997, Geodynamic evolution of the Proterozoic Mount Isa terrain, *in* Burg, J.P., and Ford, M., eds., *Orogeny through time: Geological Society [London] Special Publications*, v. 121, p. 99–122.
- Pound, K.S.**, Gray, D., & Cas, R., 1994, Provenance, sedimentologic and stratigraphic relationships of Ordovician Sandstones of the Bendigo-Ballararat Zone, Victoria: Implications for the Tectonosedimentary Evolution of the Lachlan Fold Belt [abs.]: *Australian Geological Congress Abstracts*, no. 37, p. 353.
- Pound, K.S.**, 1986, Correlation of Rock Units for the Solomon Islands region, southwest Pacific, *in* Vedder, J.G., **Pound, K.S.**, and Boundy, S.Q., eds., *Geology and Offshore resources of Pacific Island Arcs—Solomon Islands Region: Circum-Pacific Council for Energy and Mineral Resources, Earth Science Series, Vol. 4*, Tulsa, Oklahoma, American Association of Petroleum Geologists, p. 89–97.
- Pound, K.S.** 1993. North-West Nelson—Basement Geology, Field Trip Guide, New Zealand Geological Society Conference, December 1993, *in* Conference Field Trip Guide: Geological Society of New Zealand Miscellaneous Publications 79B, p. 85–136.

SYNERGISTIC ACTIVITIES:

- (i) Facilitator, Faculty Learning Community on 'Backward Design' at St. Cloud State University (2013-current)
- (ii) CCLI (Course, Curriculum & Laboratory Improvement) Grant # 0737335 'Teaching Anchor Concepts of Climate Change Through Sediment Core Archives.' (2008-2010). Teaching materials developed during this grant now form a book that is scheduled to be published in Fall 2011.
- (iii) On-ice participant in NSF polar programs-sponsored ANDRILL (Antarctic Geological Drilling Project) ARISE (ANDRILL Research Immersion for Science Educators) for Southern McMurdo Sound project; Season 2007/8.
- (iv) Lead Instructor for **TIMES (Teaching Inquiry-based Minnesota Earth Science)** Project, Science Museum of Minnesota & Hamline University (2002 - 2016). Developed and taught a two-week, hands-on, field-based, summer course for middle- and high-school earth science teachers.. Funded by Eisenhower funds (2002), and MN NCLB (2003-2016).
- (v) Co-organizer and co-leader for National Association of Geoscience Teachers (NAGT)-sponsored '**Hands-on, Inquiry-based Classroom and Lab Assignments – Bringing Geoscience Research to K-12 and Undergraduate Students**' Teacher Workshops, Co-convenor and co-chair for associated Conference Sessions, and associated 'Hands-on Galleries' at AGU Fall meeting (2005, 2006), and regional North-Central GSA Meeting (2005) Annual Fall Meeting of the American Geophysical Union, San Francisco, December 15 2005.
- (vi) Co-Presenter at National NSTA meeting, Anaheim, CA (2006) "Using Inquiry to teach igneous rock nomenclature and classification" (with Mr. L. Schmitt) and "Teaching Inquiry-based Earth Science Using Student-generated Field Investigations"

COLLABORATIONS & OTHER AFFILIATIONS

Collaborators

Ms. Karen Campbell (NCED, University of Minnesota); Dr. Terry Boerboom (Minnesota Geological Survey); Dr. Tom Hickson (Geology, University of St. Thomas, St. Paul, Minnesota); Dr. Carrie Jennings-Patterson (Minnesota Geological Survey); Dr. Megan Jones (North Hennepin Community College, Minnesota); Dr. Larry Krissek (The Ohio State University); Dr. R. Mark Leckie (University of Massachusetts); Dr. Cathy Manduca (SERC, Carleton College, Minnesota); Dr. Jim Meyers (Winona State University, Minnesota); Dr. Jim Miller (Minnesota Geological Survey); Ms. Leslie Peart (JOI, Washington, DC); Mr. Lee Schmitt (Hamline University, St. Paul, Minnesota); Dr. Kristin St. John (James Madison University), Mr. Lee Schmitt (Hamline University).

Graduate Advisors

Dr. Richard Norris, Geology, Otago University, Dunedin; *Dr. Chuck Landis*, Geology, Otago University, Dunedin; *Dr. Roger Cooper*, Institute of Geological & Nuclear Sciences, New Zealand

Postdoctoral Sponsors

Dr. David Gray, Professorial Fellow, Melbourne University, Australia; *Dr. Ray Cas*, Professor, Monash University, Australia; *Dr. Gordon Lister*, Professor, Australian National University, Australia

Grants

Winner of SCSU Hellervik Prize for Research: 'Stream Transport of Boulders ...' (2015/2016)
 Recipient of SCSU Miller Scholar Award 'The Poetry of Place: Pedagogy & Anthology' (2016)