

Susan C. Eriksson

Education and Outreach Coordinator

UNAVCO

6350 Nautilus Drive, Boulder, Colorado 80301

(303) 381-7446 voice; (303) 381-7501 fax; eriksson@unavco.org

A. Professional Preparation

University of Kentucky	Geology	B.S. (1971)
S.U.N.Y. at Stony Brook	Mineralogy	M.S. (1973)
University of the Witwatersrand (South Africa)	Geology	Ph.D (1983)

B. Appointments

2004-present	Education and Outreach Director, UNAVCO
1991-2004	Associate Professor, Department of Geosciences, Virginia Polytechnic Institute and State University (Virginia Tech)
2001-2003	Associate Dean, College of Arts and Science, Virginia Tech
1990-2001	Executive Director, Virginia Tech Museum of Natural History
1983-1991	Assistant Professor, Dept. of Geological Sciences, Virginia Tech
1982-1983	Research Associate, Dept. of Geological Sciences, Virginia Tech
1981	Senior Research Geologist, Arco Oil and Gas, Dallas, TX
1979-1981	Research Geologist, Arco Oil and Gas, Dallas, TX

C. Selected Books and Publications

Cennamo, K. & Eriksson, S. (2001) Supporting scientific inquiry through museum websites, *Educational Technology*, 41(3), 50-55.

Eriksson, S.C. (2000) Making Metaphors to Enhance Geological Understanding, *Journal of Geoscience Education*, 5, 600-601.

Eriksson, S.C. (1995) Only a Calcite?, *Rocks and Minerals*, 79, 217-230.

Other Publications

Eriksson, S. C. (1989) The Phalaborwa Complex: A Saga of Magmatism, Metasomatism and Miscibility, in K. Bell, ed., *Carbonatites*, Allen and Unwin, Toronto, p. 221-254.

Eriksson, S. C., P. J. Fourie, and D. H. DeJager (1985) A cumulate origin for the minerals in clinopyroxenites of the Phalaborwa Complex. *Trans. Geol. Soc. S. Africa*, 88, 207-214.

Eriksson, S. C. (1985) Oscillatory zoning in clinopyroxenes from the Guide copper mine, Phalaborwa, South Africa. *American Mineralogist*, 70, 74-79.

Eriksson, S. C. (1984) Age of carbonatite and phoscorite magmatism in the Phalaborwa Complex, South Africa. *Isotope Geoscience*, 2, 291-299.

Eriksson, S. C. (1981) Kimberlites and associated alkaline magmatism, in A. J. Tankard,

M. P. A. Jackson, K. A. Eriksson, D. H. Hobday, D. R. Hunter and W. E. L. Minter (eds.), *Crustal Evolution of Southern Africa: 3.8 Billion Years of Earth's History*, Springer-Verlag, New York, 424-432.

D. Synergistic Activities

- Principal Investigator on “Research Experience in Solid Earth Science for Students” (RESESS): a summer research internship to increase participation in solid earth science. \$300,000 funded by the Opportunities for Enhancing Diversity in Geosciences program, 2005-2008
- Director of the educational component of a large research project in nanoscience. Five teachers participate in summer workshops and ongoing research with our nanoscience research group at Virginia Tech developing curriculum for secondary science classrooms (www.nanoed.vt.edu).
- Executive Committee for the formation of a University-wide STEM Outreach Committee at Virginia Tech, 2002-2004.
- National Steering Committee for the Digital Library for Earth System Education; 2004-2005, co-chair of the task force to develop a strategic plan for diversity (2005).
- Co-PI and organizer of Science and Gender Equity in Southwestern Virginia, a two year program of science/technology camps for middle school teachers and girls.
- Outreach Committee of the Mineralogical Society of America.
- Vice President of the Society of Mineral Museum Professionals (SMMP); formed the first education committee; SMMP society representative to the American Geological Institute Education and Diversity Forums.
- Project Director for an inquiry-based website to build scaffolding for K-12 teachers to utilize museum collections in the classroom; resulted in several presentations, published abstracts and papers (see above).
- Project Director for a book with accompanying teacher workshops entitled “*Model Inquiries into Nature in the Schoolyard*” funded by Howard Hughes Medical Institute; recognized as a Promising Practice in Mathematics and Science, U.S. Eisenhower Program, 1994 and an Exemplary Program for biology teaching, presented at the 1992 Education Conference sponsored by the American Association for the Advancement of Science; one of twenty programs selected from national competition.