

# Steven C. Kluge

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## Employment

- 2007-Present Putnam/Northern Westchester BOCES: On site consultant, various teacher professional development programs
- 2003-Present Center for Math and Science Education, Purchase College SUNY: Teacher professional development programs and geoscience content courses
- 1979-2007 Teacher of Earth Science (NYS Regents and local) and Physical Geology Fox Lane High School Bedford, NY
- 1977-1979 Teacher of Earth Science Pelham Memorial High School Pelham, NY

## Education

- 1977 MS Science Education University at Albany (SUNY) Albany, NY
- 1976 Additional coursework to complete BS Biology requirements University at Albany (SUNY) Albany, NY
- 1973 BS Geography, Mathematics minor University at Albany (SUNY) Albany, NY

## Teaching Certification

NYS Permanent Certification in Earth Science, Biology, and Chemistry (1977)

## Publications (since 2000):

- Kluge, Steve. Encounter Earth: Interactive Geoscience Explorations. Upper Saddle River, New Jersey: Prentice Hall, 2009
- Kluge, S., Patrick, A., and Fermann, E. “*Designing and Creating Earth Science Lessons with Google Earth*” Boulder, CO. UCAR, 2007
- Lewis, Gary B. and Christine V. McLelland, eds. *EarthCaching – An Educator’s Guide*. Boulder, CO. The Geological Society of America, 2007. (Contributing author)
- Robison, D., Kluge, S., and Smith, M.J. The Sumatra Earthquake and Tsunami – December 26, 2004. *Teaching and Learning Science: A Handbook*. Kenneth Tobin (Ed). Praeger Publishers; Westport, CT. P. 423-428. (2006)
- Kluge, S. “The Length of Daylight on the Equinox.” The Earth Scientist. 3 (2005):
- Robison, D. and Kluge, S. “The Sumatra Earthquake and Tsunami of 2004: A Comprehensive Inquiry-based Exercise for High School Earth Science Classes.” The Earth Scientist. 2 (2005): 30-31.
- Francek, M. and Kluge, S. “Web-based Interactive Exercises for the Earth Sciences.” The Journal of Geoscience Education. 52 (2004): 393-395.

## Publications (since 2000): Abstracts

- Kluge, Steve, 2009, Google Earth In The Geoscience Classroom: An Efficient Tool For Effective Teaching: *Geo. Soc. Am. Abstracts with Programs*, Vol. 41, No. 7, p. 385
- Selkin, Peter A., De Paor, Declan G., Gobert, Janice, Kirk, Karin B., Kluge, Steve, Richard, Glenn A., and Whitmeyer, Steven J., 2009, Emerging Digital Technologies For Geoscience Education And Outreach: *Geo. Soc. Am. Abstracts with Programs*, Vol. 41, No. 7, p. 165
- Kluge, Steve, and Fermann, Eric, 2007, Google Earth In The Earth Science Classroom: *Geo. Soc. Am. Abstracts with Programs* v. 39
- Kluge, S, and Florida, Jessica, 2006, Summer Seminar For Earth Science Teachers Builds Competence And Confidence: *Geo. Soc. Am. Abstracts with Programs* v. 38, n. 7, p. 99.
- Cohen, Eric L., Kluge, Steve, Ebert, J.R., and Patrick, Andrew, 2006, New York Landscape Regions In Google Earth: A Comprehensive Teaching Tool: *Geo. Soc. Am. Abstracts with Programs* v. 38, n. 7, p. 27.
- Kluge, S. and Ebert, J.R., 2006, The DLESE New York Reviewed Collection of Labs, Lessons, and Activities: *Geo. Soc. Am. Abstracts with Programs* v. 38, n. 2, p. 16.
- Fermann, E. and Kluge, S., 2006, GoogleEarth-Based Lessons And Lab Activities For Earth Science Classes: : *Geo. Soc. Am. Abstracts with Programs* v. 38, n. 2, p. 15.
- Robison, D. and Kluge, S., 2006, The Great Sumatra Earthquake And Tsunami - A Comprehensive Inquiry Based Lab: *Geo. Soc. Am. Abstracts with Programs* v. 38, n. 2, p. 15.
- Ebert, J.R., Kluge, S., Ross, R.M., Dawson, J.C., Dolphin, G., Geary, E., Barstow, D., 2005, New York State and the Second Revolution in Earth and Space Science Education: Assessment of Key Issues and a Call to Arms: *Geo. Soc. Am. Abstracts with Programs*, v. 37, n. 1, p. 10.
- Corfield, P. W.R. and Kluge, S., 2005, Summer Seminar For Earth Science Teachers Sponsored By Purchase College's Center For Science And Mathematics Education (CSME): *Geo. Soc. Am. Abstracts with Programs*, v. 37, n. 1, p. 11
- Kluge, S., 2005, A Kayak Based Professional Development Workshop – Building Knowledge And Camaraderie On A Day Long River Trip: *Geo. Soc. Am. Abstracts with Programs*, v. 37, n. 1, p. 11

- Kluge, S. and Ebert, J.R., 2004, OMNI Listserv Provides Peer-Driven Professional Development for New York Earth Science Teachers: *Geo. Soc. Am. Abstracts with Programs*, v. 36, n.2, p. 123.
- Kluge, S. and WALSH, G. J., 2004, Effective Staff Development That's Fun - A Kayak Field Trip On The Housatonic River: *Geo. Soc. Am. Abstracts with Programs* v. 36, n. 5, p. 216
- Woodell, K. and Kluge, S., 2004, Field Trips, Labs, And Research Build Interest In Fox Lane's Geology Course: *Geo. Soc. Am. Abstracts with Programs* v. 36, n. 5, p. 14
- Kluge, S., 2002, Inspiring Earth Science Field Trips - A Complete "How To" Manual: *Geo. Soc. Am. Denver Annual Meeting*
- Kluge, S. and Van Norden, W., 2001, The Need For And Development Of An AP Geology Course: *Geo. Soc. Am. Northeastern Section - 36th Annual Meeting*

### **Awards/Recognition**

- 2007- Fox Lane High School Teacher of the Year
- 1992 and 2001- NAGT/GSA Outstanding Earth Science Teacher, NY State and Eastern Section
- 1999- Community Education Foundation Award for Excellence in Teaching (local award by Bedford Central Schools)
- 1990- PAESMT (Presidential Award for Excellence in Science and Mathematics Teaching) NY finalist.

### **Selected Professional Contributions**

- 2009 Invited presenter at the Pardee Symposium of the Geological Society of America national meeting (Portland, OR)
- 2009 Education Committee vice chair, ESIP Federation.
- 2006-2009 Invited presenter and participant in TERC's AccessData project
- 2008 Invited contributor to NSF's Earth Science Literacy Initiative
- 2007-Present Instructor "Core Content in Earth Science" at SUNY Oneonta through the "Catskill Regional Teacher Center"
- 2007 Administration and management of DLESE Google Earth Teachers' Manual project (NSF funded project)
- 2006-2007 Consultant to National Geographic Survey / Geological Society of America EarthCache project (Boulder, CO)
- 2006 Co-Convener of DWEL sponsored workshop to enhance DLESE's "NY Instructional Collection"
- 2005 "No AP in the Earth Sciences? ESOP Fills the Gap" – workshop at 2005 STANYS conference, presented with professor J. Ebert and teacher D. Brownstein.
- 2005 Co-convener of DLESE sponsored workshop to develop the "NY Instructional Collection"
- 2004-Present Invited presenter "Professional Development Institute for Teachers" at Purchase College (SUNY)
- 2004 Invited participant in the NSF sponsored "Second Revolution in Earth and Space Science Education" workshop. Co-chair of the NY State Revolution Alliance.
- 2004 Invited field trip leader at NSF/LDEO sponsored summer institute for NY Earth Science teachers.
- 2004-2007 DLESE Ambassador
- 2004, 2003, 1997, 1984 Cooperating teacher in training of student teachers.
- 2003-Present Instructor "Summer Seminar for Earth Science Teachers" at Purchase College SUNY through the "Center for Science and Mathematics Education"
- 2003 PNW BOCES Invited co-presenter of workshops on new "Part D" assessment of the PS:ES Core Content.
- 2002-Present Organize and lead field trips for regional ES teachers
- 2000 Invited Presentations: NYS OMNI Mentors' Summer Conference. "Beyond Regents Earth Science" and "Enhancing the NYS Regents Earth Science Curriculum"
- 2000-2007 FLHS Professional Growth and Development Committee chair.
- 2000-Present OMNI Earth Science Mentor.

### **Professional Organizations**

- Geological Society of America (GSA), National Earth Science Teachers Association (NESTA)
- National Association of Geoscience Teachers (NAGT), Science Teachers Association of NY State (STANYS)

### **Other Activities**

- 2000-2007 FLHS Webmaster
- 2001 Catskill field trip was featured in a national NY Times article
- 1993 NSF funded participant in oceanographic research aboard Atlantis II and DSRV Alvin on the Cascadia Margin
- 1990-2007 FLHS Science Olympiad coach
- 1990-1996 Host of Earth Science segment of public TV's "Regents Review Live"

**References and details available on request**