

Stephen R. McNutt

Steve McNutt is a volcano seismologist who worked half time for the Alaska Volcano Observatory from 1991-2012. He coordinates volcano seismology research for the School of Geosciences at the University of South Florida. His research areas are volcano seismology, infrasound and lightning. He presently supervises three PhD students and two Master's students. He is author or co-author of 148 publications, including 113 peer-reviewed papers and 35 published reports. He is an Associate Editor of the Encyclopedia of Volcanoes. From July 1999 to July 2007 he served as Secretary-General for the International Association of Volcanology and Chemistry of the Earth's Interior. He is an Honorary Fellow of the International Union of Geodesy and Geophysics.

Education

B.A., Earth Science, Wesleyan University, Middletown, CT, 1977

M.A., Geological Sciences, Columbia University, N.Y., NY, 1982

M.Phil., Geological Sciences, Columbia University, N.Y., NY, 1984

Ph.D., Volcanology, Columbia University, N.Y., NY, 1985

Thesis: McNutt, S.R., 1985, The Eruptive Activity, Seismicity, and Velocity Structure of Pavlof Volcano, Eastern Aleutians. Columbia University, N.Y., NY, 202 pp.

Professional Employment

Professor, Volcano Seismology, Univ. of South Florida, Aug 2012- present

Research Professor, Volcano Seismology and Coordinating Scientist for Alaska Volcano Observatory; Geophysical Institute, University of Alaska, Fairbanks, Nov 1991- Aug 2012

Senior Seismologist, Volcanology Seismology, and Project Manager; California Division of Mines and Geology, Sacramento, California, Oct 1984- Oct 1991

Principal Research Interests

- 1) source and propagation effects for volcanic tremor, low-frequency events, and explosion earthquakes;
- 2) volcanic hazards assessments in Alaska, California, and Central America;
- 3) the mechanical behavior of volcanoes, including periodicity of eruptions, and the effects of earth tides, sea level variations, and tectonic stresses on triggering eruptive activity;
- 4) volcano infrasound;
- 5) volcanic lightning; and
- 6) rocket launches from Kennedy Space Center.