

Keith D. Koper
Biographical Sketch
13 January 2025

Present Position

Professor in Dept. of Geology & Geophysics quake.utah.edu (web)
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Education

Ph.D. (Geophysics), Washington University, 1998
B.A. (Math, Geology, Integrated Science Program), Northwestern University, 1993

Professional Experience

Professor, Dept. of Geology & Geophysics, University of Utah, 2015–present
Director, University of Utah Seismograph Stations, 2010–present
Guest Scientist, Los Alamos National Laboratory, 2016–2021
Associate Professor, Dept. of Geology & Geophysics, University of Utah, 2010–2015
Associate Professor, Dept. of Earth & Atmospheric Sciences, Saint Louis University, 2006–2010
Assistant Professor, Dept. of Earth & Atmospheric Sciences, Saint Louis University, 2001–2006
Post-doctoral Research Associate, Dept. of Geosciences, University of Arizona, 1998–2001

Research Interests

array seismology; Earth's ambient seismic noise field; forensic seismology and exotic sources; rupture imaging of giant earthquakes; seismicity and tectonics of the intermountain West; mining induced earthquakes; structure and dynamics of Earth's deep interior—especially the core

Research Activity (1998–2024)

104 peer-reviewed journal publications, 136 other scientific publications and reports; principal investigator (PI) on awards from the National Science Foundation, the U.S. Geological Survey, the Air Force Research Laboratory, and the Department of Energy totaling over \$12.35 million; co-PI on additional \$1.40 million

Academic Recognition

Celebrate U Honoree, University of Utah, 2016
Certificate of excellence in reviewing, *Earth & Planetary Science Letters*, 2012
Doornbos Prize, International Union of Geodesy and Geophysics committee on Study of Earth's Deep Interior, 2006
Citation from Saint Louis University for excellence in research, 2003
Tolman Geoscience Fellowship, Washington University, 1993–1995

Selected Professional Service

Editor-in-chief of *The Seismic Record*, 2020–present
Member of U.S. Air Force Seismic Review Panel, 2011–present
Vice-Chair & Chair of Utah Seismic Safety Commission, 2010–2023
Member of *Eos*, *Transactions of the American Geophysical Union* editorial board, 2010–2021
Member of American Geosciences Institute Critical Needs Working Group, 2019–2020
Member & Chair of Richter Award Subcommittee, 2018–2020
Member of Federal Advisory Committee on Earthquake Hazard Reduction, 2019
Member of Incorporated Research Institutions for Seismology Board of Directors, 2016–2018