

**Department of Earth and Planetary Sciences and Institute for Policy Research
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Degrees

California Institute of Technology, M.S. (Geophysics), 1977; Ph.D. (Geophysics), 1978
Massachusetts Institute of Technology, S.B. (Earth and Planetary Sciences), 1975

Employment

Humboldt Visiting Professor, University of Göttingen and University of Munich (Germany), 2013-2014
Visiting Scholar, Rachel Carson Center for Environment and Society, University of Munich, 2014
Faculty Associate, Institute for Policy Research, Northwestern University, 2013-
William Deering Professor of Geological Sciences, Northwestern University, 2006-
Scientific Director, UNAVCO academic GPS consortium, 1998-2000
Visiting Senior Scientist, NASA Goddard Space Flight Center, 1993-1994
Chair, Department of Geological Sciences, Northwestern University, 1989-1992
Visiting Professor, University of Utrecht (Netherlands), 1988
Professor of Geological Sciences, Northwestern University, 1987-
UNESCO Lecturer, International Institute of Seismology and Earthquake Engineering, Japan, 1985
Associate Professor of Geological Sciences, Northwestern University, 1983-1987
Assistant Professor of Geological Sciences, Northwestern University, 1979-1983
Post-Doctoral Research Affiliate in Geophysics, Stanford University, 1978-1979

Research experience

Plate tectonics, earthquake seismology, earthquake hazards, natural hazards policy

Honors

Faculty coauthor, paper awarded Outstanding Student Presentation Award, Natural Hazards section, AGU national meeting, 2019
Faculty coauthor, paper awarded Outstanding Student Presentation Award, Seismological Society of America national meeting, 2019
Faculty coauthor, paper awarded Outstanding Student Presentation Award, Seismological Society of America national meeting, 2017
Price Medal, Royal Astronomical Society, 2014
Alexander von Humboldt Foundation (Germany) Research Award, 2013
Foreign Member, Academy of Europe, 2010
Stephan Mueller Medal, European Geosciences Union, 2010
S.T. Crough Lecturer, Purdue University Department of Earth and Atmospheric Sciences, 2010
George P. Woollard Award, Geological Society of America, 2009
Distinguished Lecturer, Incorporated Research Institutions for Seismology/Seismological Society of America (*Giant earthquakes: why, where, when, and what we can do*), 2006
Institute for Scientific Information Highly Cited Researchers list, 2002-
Fellow, Geological Society of America, 1999
Fellow, American Geophysical Union, 1989
James B. Macelwane Medal, American Geophysical Union, 1989
Faculty coauthor, paper awarded Outstanding Student Paper Award, Geodesy section, AGU national meeting, 1997
Faculty coauthor, paper awarded Outstanding Student Paper Award, Geodesy section, AGU national meeting, 1995

Faculty coauthor, paper awarded Outstanding Student Paper Award, Tectonophysics section, AGU national meeting, 1987

Faculty coauthor, paper awarded Outstanding Student Paper Award, Geodesy section, AGU national meeting, 1986

Northwestern Undergraduate Student Government Teaching Honor Roll, 1984, 1987

Fannie and John Hertz Foundation Fellow, 1975-1978

Phi Beta Kappa, 1975

Selected community service

President, AGU Natural Hazards Section, 2019-2020

Coeditor, GSA Special paper *In the Footsteps of Warren B. Hamilton: New Ideas in Earth Science*, in preparation, 2020.

Chair, AGU Geodesy Section Fellows nomination committee, 2006-2016

Chair, ESF Environmental Risks postdoc panel, 2014; Member, TOPO-Europe panel, 2007-2012

Developed interpretive material about Midcontinent Rift for National Park Service and YouTube video "*Lake Superior and the Midcontinent Rift: the billion-year story*", >15,500 views, 2015

Member, GSA Woollard Award committee, 2010 – 2013

Member, European Research Commission Synergy review panel, 2012-2013

Member, German Science Foundation South Atlantic evolution review panel, 2008-2013

Member, EGU Holmes Medal committee, 2011–2013; Mueller Medal committee, 2010-2013

Member, NSF EarthScope Facility review panel, 2005; Operations and Maintenance review panel, 2007; Earth Sciences Instrumentation Program Visiting Committee, 2007

Design consultant, Field Museum of Natural History "*Nature Unleashed*" disasters exhibit (touring exhibit seen by more than 1.5 million people to date), 2008

Member, External Review Committees: Royal Observatory of Belgium, 2016; Univ. of Kentucky, Department of Earth and Environmental Sciences, 2013 (chair); Univ. of Miami, Marine Geology and Geophysics Department, 2008; Univ. of California at Riverside, Department of Geological Sciences, 2006; Purdue Univ., Department of Earth and Atmospheric Sciences, 2003

Chair, AGU Excellence in Geophysical Education award committee, 2000-2002

Member, NASA Solid Earth program panel, 1991, 2002

Member, Governing board, WEGENER European space geodesy consortium, 2000-2004

Member, Steering Committee, NSF Plate Boundary Observatory Initiative, 1999-2000

Chair, AGU Bucher Medal committee, 1996-1998

Chair, AGU Seismology Section Fellows nomination committee, 1992-1993

Organizing committee member, AGU Chapman conference on time dependent positioning and monitoring of crustal motion, 1991

Member, AGU Macelwane Medal committee, 1990-1992

Journal of Geophysical Research, Editor 1986-1989; Associate Editor, 1986

Geophysical Research Letters, Associate Editor, 1986

UNAVCO GPS consortium: Scientific Director, 1998-2000; Board of Directors, 2010-2012; Northwestern University representative, 1985-

Incorporated Research Institutions for Seismology: member, Executive Committee, 1986-1988; Chair, nominations committee, 1990; member, Education and Outreach Committee, 2004 -2007; Northwestern University representative, 1984-1990

Seismology Program Chair, AGU Fall Annual meeting, 1984-1986

Publications

Authored 3 books and edited 6, of which 4 are AGU publications. 213 scientific publications, 195 in peer-reviewed journals or volumes, 75 in AGU publications. Google Scholar: >26,000 citations; h-index = 66.