

GÖRAN EKSTRÖM

Education:

Harvard University, Department of Earth and Planetary Sciences: Ph.D. (geophysics), 1987

Moscow State University, USSR: Exchange researcher, 1981-1982

Swarthmore College, Pennsylvania: B.A. (physics) with high honors, 1981

Professional Experience:

Columbia University, Department of Earth and Environmental Sciences

Professor of Earth Sciences, 2006–

Harvard University, Department of Earth and Planetary Sciences

Professor of Geology and Geophysics, 1995–2006

John L. Loeb Associate Professor of the Natural Sciences, 1994–1995

Assistant Professor of Geophysics, 1990–1994

Istituto Nazionale di Geofisica e Vulcanologia, Italy

Visiting Scientist, March 2005, September–December 1997

USGS National Earthquake Information Center, Boulder CO

Senior Scientist in Residence, April 2004

Institut de Physique du Globe de Paris

Visiting Professor, March–May 1998

CNRS Visiting Research Scientist, April 1989–September 1989

Lamont-Doherty Geological Observatory of Columbia University

Associate Research Scientist, 1988–1990

Lamont-Doherty Postdoctoral Fellow, October 1987–1988

Recent Service to the Earth Science Community:

USGS Scientific Earthquake Studies Advisory Committee, 2016–

ISC (International Seismological Centre), Governing Council and Executive Committee, 2015–

FDSN (International Federation of Digital Seismograph Networks), chair, 2013–2017

EPOS (European Plate Observing System), Advisory Board, 2010–

Earth Observatory of Singapore, Scientific Advisory Board, 2009–

GEOSCOPE (France) Scientific Committee, 2008–

EarthScope Steering Committee, chair, 2008–2011

European Commission Expert Scientific Reviewer, NERIES Project, 2008

Seismological Society of America, Richter Award Subcommittee, chair, 2009–2011

National Earthquake Prediction Evaluation Council, 2006–2009

Incorporated Research Institutions for Seismology

Executive Committee, chair, 2002–2004; vice chair, 1999–2001; member, 1993–1995; Planning Committee, 2002–2007; Global Seismic Network Standing Committee, chair, 1995–1998; Joint Seismic Program Committee, 1991–1996 (chair, 1994–1996); Data Management System Standing Committee, 1991–1993

USArray EarthScope Advisory Committee, 2007–2008

EarthScope Facilities Executive Committee, 2002–2004

EarthScope Working Group, 2001–2002

Gordon Conference on Earth's Interior, 2003–2007 (chair, 2006–2007)

Honors:

Gutenberg Medal, European Geosciences Union, 2015

AGU Fellow, 1999

Phi Beta Kappa, 1981

Publications

- *Ekström, G., Centroid-moment tensor solution for the April 24, 1984 Morgan Hill, California, earthquake, *CDMG Special Publication 68, The 1984 Morgan Hill, California earthquake*, 209-213, 1985.
- Ekström, G., and A. M. Dziewonski, Centroid-moment tensor solutions for 35 earthquakes in Western North America (1977-1983), *Bull. Seism. Soc. Am.*, 75, 23-39, 1985.
- Ekström, G., and A. M. Dziewonski, A very broad band analysis of the Michoacan, Mexico, earthquake of September 19, 1985, *Geophys. Res. Lett.*, 13, 605-608, 1986.
- Ekström, G., A. M. Dziewonski, and J. M. Steim, Single station CMT; Application to the Michoacan, Mexico earthquake of September 19, 1985, *Geophys. Res. Lett.*, 13, 173-176, 1986.
- *Ekström, G., *A broad band method of earthquake analysis*, Ph. D. Thesis, Harvard University, Cambridge, Massachusetts, 1987.
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- Ekström, G., and P. C. England, Seismic strain rates in regions of distributed continental deformation, *J. Geophys. Res.*, 94, 10,231-10,257, 1989.
- Ekström, G. and E. R. Engdahl, Earthquake source parameters and stress distribution in the Adak Island region of the central Aleutian Islands, *J. Geophys. Res.*, 94, 15,499-15,519, 1989.
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- Virieux, J., and G. Ekström, Ray tracing on a heterogeneous sphere by Lie series, *Geophys. J. Int.*, 104, 11-27, 1990.
- Richards, P. G., D. C. Witte, and G. Ekström, Analytic study of seismic waves in structures with planar non-parallel interfaces, *Bull. Seism. Soc. Am.*, 81, 1309-1331, 1991.
- Ekström, G., R. S. Stein, J. P. Eaton, and D. Eberhart-Phillips, Seismicity and geometry of a 110-km-long blind thrust fault, 1, The 1985 Kettleman Hills earthquake, *J. Geophys. Res.*, 97, 4843-4864, 1992.
- Stein, R. S., and G. Ekström, Seismicity and geometry of a 110-km-long blind thrust fault, 2, Synthesis of the 1982-1985 earthquake sequence, *J. Geophys. Res.*, 97, 4865-4884, 1992.
- *Richards, P. G., W.-Y. Kim, and G. Ekström, Borovoye Geophysical Observatory, Kazakhstan, *Eos Trans. AGU*, 73, 201, 205-206, 1992.
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- *Ekström, G., Rapid earthquake analysis at Harvard, *IRIS Newsletter*, vol. XII, No. 1, 4-6, 1993.
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- Ekström, G., Anomalous earthquakes on volcano ring-fault structures, *Earth Planet. Sci. Lett.*, 128, 707-712, 1994.

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- Ekström, G., J. Tromp, and E. W. F. Larson, Measurements and global models of surface wave propagation, *J. Geophys. Res.*, 102, 8137–8157, 1997.
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