

Gregory C. Beroza: Stanford

EDUCATION AND PROFESSIONAL EXPERIENCE

1982	B.S., Geophysics, University of California at Santa Cruz.
1989	Ph.D., Geophysics, Mass. Institute of Technology.
1989-1990	Postdoctoral Associate, Massachusetts Institute of Technology.
1990-1994	Assistant Professor of Geophysics, Stanford University.
1994-present	Associate Professor of Geophysics, Stanford University.

HONORS AND AWARDS

1983	National Science Foundation Graduate Fellow.
1991	National Science Foundation Presidential Young Investigator Award.

SELECTED PROFESSIONAL ACTIVITIES

1993-1995, 1999	Panelist, USGS External Program (Process&Theory and Northern California).
1996-present	NAS/NRC Committee on the Science of Earthquakes.
1996-1999	Associate Editor, Journal of Geophysical Research.
1998-present	Panelist, NSF Seismology and Geophysics Proposal Review Panel.

FIVE PUBLICATIONS MOST RELEVANT TO THIS PROJECT

- 1996 Dodge, D. A., G. C. Beroza, and W. L. Ellsworth, Detailed observations of California foreshock sequences: implications for the earthquake initiation process, *J. Geophys. Res.*, *101*, 22,371-22,392.
- 1996 Beroza, G. C. and T. Mikumo, Short slip duration in dynamic rupture in the presence of heterogeneous fault properties, *J. Geophys. Res.*, *101*, 22,449-22,460.
- 1996 Beroza, G. C., and W. L. Ellsworth, Properties of the seismic nucleation phase, *Tectonophysics*, *261*, 209-227.
- 1998 Schaff, D. P., G. C. Beroza, and B. E. Shaw, Postseismic response of repeating aftershocks, *Geophys. Res. Lett.*, *25*, 4549-4552.
- 1999 Mai, P. M. and G. C. Beroza, Source scaling properties from finite-fault rupture models, *Bull. Seismol. Soc. Am.*, (submitted).

FIVE ADDITIONAL RELEVANT PUBLICATIONS

- 1988 Beroza, G. C., and P. Spudich, Linearized inversion for fault rupture behavior: application to the 1984, Morgan Hill, California, earthquake, *J. Geophys. Res.*, *93*, 6275-6296.
- 1994 Cohee, B. P., and G. C. Beroza, Slip distribution of the 1992 Landers earthquake and its implications for earthquake source mechanics, *Bull. Seismol. Soc. Am.*, *84*, 692-712.
- 1995 Ellsworth, W. L., and G. C. Beroza, Seismic evidence for an earthquake nucleation phase, *Science*, *268*, 851-855.
- 1996 Beroza, G. C., Rupture history of the earthquake estimated from high-frequency strong-motion data, *U.S. Geological Survey Professional Paper 1550-A, The Loma Prieta, California Earthquake of October 17, 1989—Main-Shock Characteristics*, A9-A32.
- 1999 Bokelmann, G., and G. C. Beroza, Depth-dependent earthquake focal mechanism orientation: evidence for a weak zone in the lower crust, *J. Geophys. Res.*, (submitted).

(About 35 additional refereed publications)

STUDENTS AT STANFORD UNIVERSITY AND RECENT COLLABORATORS

- Current: David Schaff (Ph.D.), Patti Guatteri (Ph.D.), Xyoli Perez-Campos (Ph.D.), Martin Mai (Ph.D.), Eva Zankerka (Ph.D.), Vincent Quitoriano (Ph.D.)
- Former: Brian Cohee (Ph.D., 1995), Hal Mendoza (M.S., 1995), Martijn Verwoerd (M.S., 1995), Doug Dodge (Ph.D., 1996), Karen Felzer (B.S., 1998)
- Collaborators: Bill Ellsworth, Paul Spudich, Tom Jordan, Vernon Cormier, Takeshi Mikumo, Bruce Shaw.