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Citizenship: USA

Education: Ph.D. Geology and Geophysics, 1993
Caltech, Pasadena, CA.
Thesis Title: *Characterization of Large Earthquakes on the San Andreas Fault in the Carrizo Plain: Implications for Fault Mechanics and Seismic Hazard*

M.S. Geology, 1990
Caltech, Pasadena, CA.

M.S. Environmental Engineering Science, 1989
Caltech, Pasadena, CA.

B.S. with distinction, Environmental Earth Science, 1985
Stanford University, Palo Alto, CA.

Research Interests: Paleoseismology, active faults, seismic hazard

Experience Assistant Professor
Department of Environmental Analysis and Design
University of California, Irvine
7/98 - present

Assistant Professor of Environmental Science and Geology
Program Director for Environmental Science
Chapman University, Orange, CA
8/95 - 6/98

Senior Staff to Assistant Project Scientist
Woodward-Clyde Consultants
Santa Ana, CA
6/93 - 7/95 (part-time consulting 8/95 to present)

Graduate Research and Teaching Assistant, Graduate Fellow
Caltech, Pasadena CA
10/87 - 5/93

Research Scientist
California Research and Technology / Titan Systems (now Titan
Technologies)
Chatsworth, CA
1/85 - 7/87

Selected Service:

Associate Editor, Bulletin of the Seismological Society of America, 1997 to present

Selected Publications:

Roddy, D., Schuster, S., Rosenblatt, M., Grant, L., Hassig, P., and Kreyenhagen, K., *Computer Simulations of Large Asteroid Impacts Into Oceanic and Continental Sites : Preliminary Results on Atmospheric, Cratering and Ejecta Dynamics*, **International Journal of Impact Engineering**, Vol 5, p.525-541, 1987.

Grant, L. B. and K. Sieh, *Stratigraphic Evidence for 7 Meters of Dextral Slip on the San Andreas Fault During the Great 1857 Earthquake in the Carrizo Plain*. **Bulletin Seismological Society of America**, Vol. 83, No. 3, p. 619-635, 1993.

Grant, L. B. and A. Donnellan, *1855 and 1991 Surveys of the San Andreas Fault: Implications for Fault Mechanics* , **Bulletin Seismological Society of America**, Vol. 84, No. 2, p.241-246, 1994.

Grant, L. B. and K. Sieh, *Paleoseismic Evidence of Clustered Earthquakes on the San Andreas Fault in the Carrizo Plain, California*, **Journal of Geophysical Research**, Vol. 99, No. B4, p. 6819-6841, 1994.

Grant, L. B., *Uncharacteristic Earthquakes on the San Andreas Fault*, **Science**, v. 272, 826 - 827, 1996.

Grant, L. B., J. T. Waggoner, C. von Stein and T. Rockwell, *Paleoseismicity of the North Branch of the Newport-Inglewood Fault Zone in Huntington Beach , California, from Cone Penetrometer Test Data* . **Bulletin of the Seismological Society of America**, v. 87, no 2., 277 - 293, 1997.

Grant, L.. B., K. J. Mueller, E. M. Gath, H. Cheng, R. L. Edwards, R. Munro and G. L. Kennedy, *Late Quaternary Uplift and Earthquake Potential of the San Joaquin Hills, southern Los Angeles Basin, California*, **Geology**, in press for Nov. 1999 issue.