

CURRICULUM VITAE

ALLAN M. RUBIN

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Born: May 23, 1960

Education: Ph.D., Geology, 1988, Stanford University
B.A., Earth Sciences, 1982, Dartmouth College

Professional activities/experience:

7/04-present: Professor, Dept. of Geosciences, Princeton University

9/04-9/06: Member, AGU Macelwane committee

9/92-6/04: Assistant/Associate Professor, Dept. of Geosciences, Princeton University

5/02-9/03: Member, DOE Igneous Consequences Peer Review Panel (charged with evaluating volcanic hazards at the proposed U.S. nuclear waste repository at Yucca Mountain)

1/99-1/02: Associate Editor, Journal of Geophysical Research

9/92-9/94: Co-Chairman/Chairman, AGU Spring Meeting Program Committee, Tectonophysics

2/90-8/92: Post-Doctoral Research Associate/Senior Research Associate, Dept. of Geological Sciences, Brown University, Providence, RI

9/88-12/89: Research Fellow in Geophysics, California Institute of Technology, Pasadena, CA

1988-1990: Member, AGU Committee on Education and Human Resources

1986-present: Reviewer for Bull. Seism. Soc. Am., Bull. Volcanol., Can. J. Earth Sci., Earth Planet. Sci. Lett., Geochem. Geophys. Geostems, Geol. Soc. Am. Bull., Geology, Geophys. J. Int., Geophys. Res. Lett., J. Appl. Mech., J. Eng. Math., J. Fluid Mech., J. Geology, J. Geophys. Res., J. Metamorphic Geol., J. Volcanol. Geotherm. Res., Lithos, Nature, Pure Appl. Geophys., Science, Tectonics, Tectonophysics.

1985-present: Member, American Geophysical Union

Honors:

AGU Fellow, 2004

Cox Visiting Professor, Stanford University, 2006-07

Refereed Publications:

Rubin, A. M., and J.-P. Ampuero, 2007, Aftershock asymmetry on a bimaterial interface, *J. Geophys. Res.*, 112, B05307, doi:10.1029/2006JB004493.

Pritchard, M.E., Rubin, A.M., 2007, and Wolfe, C.J., Do flexural stresses explain the mantle fault zone beneath Kilauea volcano?, *Geophys. J. Int.*, 168, 419-430, doi:10.1111/j.1365-246X.2006.03169.x

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- Ziv, A., and A.M. Rubin, 2000, Static stress transfer and earthquake triggering: No lower threshold in sight?, *J. Geophys. Res.*, 105, 13,631-13,642.
- Ziv, A., and Rubin, A.M., 2000, Stability of dike intrusion along preexisting fractures, *J. Geophys. Res.*, 105, 5947-5961.
- Rubin, A.M., D. Gillard, and J.-L. Got, 1999, Streaks of microearthquakes along creeping faults, *Nature*, 400, 635-641.
- Fialko, Y.A., and Rubin, A.M., 1999, What controls the along-strike slopes of volcanic rift zones?, *J. Geophys. Res.*, 104, 20,007-20,020.
- Fialko, Y. A., and Rubin, A.M., 1999, Thermal and mechanical aspects of magma emplacement in giant dike swarms, *J. Geophys. Res.*, 104, 23,033-23,049.
- Rubin, A.M., 1998 Dike ascent in partially molten rock, *J. Geophys. Res.*, 103, 20,901-20,919.
- Rubin, A.M., D. Gillard, and J.-L. Got, 1998, A reinterpretation of seismicity associated with the 1983 dike intrusion at Kilauea Volcano, Hawaii, *J. Geophys. Res.*, 103, 10,003-10,015.
- Rubin, A.M., and D. Gillard, 1998, Dike-induced earthquakes: Theoretical considerations, *J. Geophys. Res.*, 103, 10,017-10,030.
- Fialko, Y.A., and Rubin, A.M., 1998, Thermodynamics of lateral dike propagation: Implications for crustal accretion at slow spreading mid-ocean ridges, *J. Geophys. Res.*, 103, 2501-2514.
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In Press:

- Ampuero, J.-P., and A.M. Rubin, Earthquake nucleation on rate and state faults: Aging and slip laws, *J. Geophys. Res.*