

Colleen A. Dalton

Curriculum Vitae

Department of Earth and Planetary Sciences
Harvard University
20 Oxford St.
Cambridge, MA 02138
E-mail: dalton@eps.harvard.edu
Tel: 617.496.8364

Education

Ph.D. (Geophysics), expected 2007

Harvard University, Cambridge, Massachusetts
Advisors: Göran Ekström and Adam M. Dziewoński

Sc.B. (Geology-Physics/Math), magna cum laude with departmental honors, 2000

Brown University, Providence, Rhode Island

Research Experience

- 2002 – present Department of Earth and Planetary Sciences, Harvard University
Graduate Research Assistant
- 2000 – 2002 Applied Science Associates, Narragansett, Rhode Island
Junior Scientist (Geologist)
- 1997 – 2000 Department of Geological Sciences, Brown University
Undergraduate Research Assistant

Teaching Experience

- Fall 2005 Teaching Fellow, Harvard University
Science A-43: Environmental Risks and Disasters
- Fall 2003 Teaching Fellow, Harvard University
EPS-7: Introduction to Geological Sciences
- Fall 1999 Undergraduate Teaching Assistant, Brown University
GE-22: Physical Processes in Geology

Honors

AGU Outstanding Student Paper Award, Fall Meeting, 2005
Harvard University Certificate of Distinction in Teaching, 2003 and 2005
NSF Graduate Research Fellowship, 2003 – 2006
Dean James Mills Pierce Fellowship, Harvard University, 2002 – 2007
Senior Award, Department of Geological Sciences, Brown University, 2000
Royce Fellowship, Brown University, 1999

Invited Talks

Carnegie Institution of Washington, Department of Terrestrial Magnetism, 10/2006
IRIS Workshop, Tucson, AZ, 6/2006
Columbia University, Lamont-Doherty Earth Observatory, 4/2006
Princeton University, Solid Earth Lunch Seminar, 3/2006
AGU Fall Meeting, San Francisco, 12/2005
Brown University, Tectonophysics Lunch Bunch, 11/2005

Publications

- Dalton, C. A., and G. Ekström, Global models of surface-wave attenuation, *J. Geophys. Res.*, *111*, B05317, doi:10.1029/2005JB003997, 2006.
- Dalton, C. A., and G. Ekström, Constraints on global maps of phase velocity from surface-wave amplitudes, *Geophys. J. Int.*, doi:10.1111/j.1365-246X.2006.03142.x, 2006.
- Ekström, G., C. A. Dalton, and M. Nettles, Observations of time-dependent errors in the long-period instrument gain at global seismic stations, *Seismol. Res. Lett.*, *77*, 12–22, 2006.

Conference Abstracts

- Dalton, C.A., G. Ekström, and A.M. Dziewoński, Joint interpretation of global attenuation and velocity models, AGU Fall Meeting, December, 2006.
- Dalton, C.A., and G. Ekström, What can we learn from images of seismic-wave attenuation?, IRIS Workshop, Tuscon, AZ, 2006.
- Dalton, C.A., and G. Ekström, Seismic-wave attenuation in the asthenosphere, *Eos Trans. AGU*, *86*, Fall Meet. Suppl., T34A-05, 2005.
- Dalton, C.A., and G. Ekström, Investigating upper-mantle attenuation structure using surface-wave amplitudes, UNAVCO/IRIS Joint Workshop, Stevenson, WA, 2005.
- Dalton, C.A., and G. Ekström, Upper-mantle attenuation structure as revealed from surface-wave amplitudes, *Eos Trans. AGU*, *85*, Fall Meet. Suppl., S53B-0203, 2004.
- Dalton, C.A., and G. Ekström, Upper-mantle attenuation and velocity structure as revealed from surface-wave amplitudes, IRIS Workshop, Tuscon, AZ, 2004.
- Dalton, C.A., and G. Ekström, Surface-wave constraints on Q in the upper mantle: Isolating the signal of attenuation, *Eos Trans. AGU*, *84*, Fall Meet. Suppl., S22B-0444, 2003.
- Dalton, C.A., and G. Ekström, New images of Q in the upper mantle: Constraints from surface waves, UNAVCO/IRIS Joint Workshop, Yosemite, CA, 2003.
- Dalton, C.A., and K.M. Fischer, Refining images of the Farallon slab, *Eos Trans. AGU*, *80*, Fall Meet. Suppl., S41D-07, 1999.