Appendix I: Publications, Presentations, Awards and Panels

Publications


Foster, K.A, K. Dueker, B. Schmandt, and H. Yuan, Sharp cratonic lithosphere-asthenosphere boundary beneath the American Midwest and its relation to mantle flow, *EPSL, in revision*.


Tkalčić, H., M Young, T Bodin, S Ngo, M Sambridge, The Shuffling rotation of the Earth’s inner core revealed by earthquake


Presentations

**SEG Annual Meeting, Houston, TX**

A Ray, K Key, T Bodin. Hierarchical Bayesian inversion of marine CSEM data over the Scarborough gas filed lesson in correlated noise.

**SCEC 2012 Annual Meeting, Palm Springs, CA, September 9–12, 2012**


Taira T., Spatiotemporal Behaviors in Earthquake Multiplets at the Geysers Geothermal Field, CA, Poster 201.

**Monitoring Research Review, Albuquerque, NM, September 18–20, 2012**


**Society of Exploration Geophysicists, Annual Meeting, Las Vegas, Nevada, November 4–8, 2012**


**American Geophysical Union, 2012 Fall Meeting, San Francisco, CA, December 3–7, 2012**


Boyd, O.S., Dreger, D.S., Lai, V.H., and Gritto, R., Full Moment Tensor Analysis Using First Motion Data at The Geysers Geo-
thermal Field, Abstract S43E-2513.


Cottaar, S. and B. Romanowicz, Observations on rotation of flow near LLSP boundaries (DI001 session)

Delbridge, B., R. Bürgmann, E. Fielding, S. Hensley, W. Schulz., The Slumgullion Natural Laboratory: Landslide-wide kinematics revealed by combining satellite and airborne interferometric synthetic aperture radar with continuous GPS observations, Abstract IN13C-1510.

Dou, S., Ajo-Franklin, J., and Dreger, D., Mapping deep low-velocity zones in Alaskan Arctic coastal permafrost using seismic surface waves, Abstract C22B-07.


Godoladze, T., N Tumanova, R. Gök, D. Dreger, Crustal Structure study of the Caucasus, Abstract S44C-06.


Huang, M.-H. and R. Bürgmann, Probing the Deep Rheology of Tibet: Constraints from the 2008 Mw 7.9 Wenchuan, China Earthquake, Abstract T33K-08.

Iaffaldano, G., Bodin, T., Sambridge, M., Slow-downs and speed-ups of India-Eurasia convergence since ~20 Ma: Data-noise, uncertainties and dynamic implications, Abstract T54B-04.


Nadeau, R.M. and A. Guilhem, Episodic Tremor as Indicators of Slow-slip Events (SSE) at Parkfield, California, Abstract S33B-2535.


Romanowicz, B.A., Cottaar S. Observations of anisotropy in the vicinity of LLSVP boundaries in the deep mantle, Abstract DI52A-06.

Romanowicz, B., S. French and V. Lekic, Low velocities in the oceanic upper mantle and their relations to plumes: new insights from SEM-based waveform tomography, invited, Abstract DI44A-06.


Ventosa, S. and B. Romanowicz, On improving the measurement of differential travel times and amplitudes of phases sensitive to the deep mantle, Abstract DI13A-2415.


Goktepe F., Kuyuk H.S., Celebi E., Effect of Wave Impeding Barrier Depth on Buried Pipeline.

SEG-AGU Joint Workshop (Cryosphere Geophysics: Understanding a Changing Climate with Subsurface Imaging), Boise, ID, January 6–8, 2013

Dou, S. and Ajo-Franklin, J., Seismic surface wave investigations of "deep" low-velocity zones in Arctic coastal permafrost near Barrow, Alaska.

9th Annual Northern California Earthquake Hazards Workshop, USGS, Menlo Park, CA, January 22–23, 2013

Johanson, I., D. Dreger, Rapid finite-fault earthquakes and afterslip information from seismic and real-time GPS observations.


38th Workshop on Geothermal Reservoir Engineering, Stanford University, Stanford, CA, February 11–13, 2013


M. Manga, A. Patel, B. Delbridge, E. Knappe, S. Birch, J. Dufek, Constraints on surface conditions and atmospheric density inferred from the bomb sag at Home Plate, Mars.

EGU General Assembly, Vienna, Austria, April 7–12, 2013

Choblet, G. Husson, L., Bodin, T., Capdeville Y., Confronting GIA models to a probabilistic surface reconstruction of relative sea-level rise.

Choblet, G. Husson, L., Bodin, T., Capdeville Y., Probabilistic surface reconstruction of relative sea-level rise.

Gallagher, K., Sambridge, K., Bodin, T., Reading, A., The inference of abrupt changes and noise levels in multivariate datasets.

Plonka, A., Cottaar, S., Romanowicz, B., Study of the eastern edge of the Pacific Large Low Shear Velocity Province, Abstract 15, 234.


Annual Meeting of the Seismological Society of America, Salt Lake City, Utah, April 17–19, 2013


Gadoladze, T., D. Dreger, 3D Wave propagation studies in the Caucasus


Kuyuk H.S., Allen R.M. "Neural Networks based Magnitude Estimation for Earthquake Early Warning”


Zheng, Z., S. Ventosa and B. Romanowicz (2013) Application of local adaptive slant-stack transform (LSST) to improve the SS precursor record sections recorded on the USArray.


2013 Japan Geoscience Union Meeting (JpGU), Makuhari Messe, Japan, May 19–24, 2013

Seventh National Seismic Conference on Bridges & Highways (7NSC), Oakland, CA, May 20–22, 2013

Gordon Research Seminar, Mount Holyoke, MA, June 1–2, 2013
Cottaar, S. and Romanowicz B.A., Direct waveform evidence for strong heterogeneity in the lowermost mantle, (invited talk).

Gordon Research Conference, Mount Holyoke, MA, June 2–7, 2013
Cottaar, S. and Romanowicz B.A., Mapping an unusually large ULVZ near Hawaii through Sdiff waveform complexities.
French, S.W., Lekic, V., and Romanowicz, B., Global full-waveform tomography with the SEM: New results from the oceanic upper mantle.

CIG-QUEST-IRIS Seismic Imaging Workshop, Fairbanks, AK, July 12–14, 2013
Meng, L., R. Allen and J-P Ampuero, Application of Seismic Array Processing to Earthquake Early Warning.

Speaking Engagements
Bodin, T., When one of the things you don't know is the number of things you don't know, Scripps, UC San Diego, La Jolla, CA, February 2013.
Bodin, T., When one of the things you don't know is the number of things you don't know, Universite of Nantes, France, November 2012.
Bodin, T., When one of the things you don't know is the number of things you don't know, Applied Math Seminar, Lawrence Berkeley National Lab., Berkeley, CA, November 2012.
Bodin, T., When one of the things you don't know is the number of things you don't know, Statistics seminar, UC Berkeley, Berkeley, CA, September 2012.
Bodin, T., When one of the things you don't know is the number of things you don't know, Berkeley Seismological Laboratory Seminar, UC Berkeley, Berkeley, CA, August 2012.
Bürgmann, R., California Earthquakes!, UC Berkeley Lair of the Bear, Pinecrest, CA, July 1 and July 3, 2012.
Bürgmann, R., Resolving Postseismic Relaxation Processes Following the 2011 Tohoku Earthquake, Symposium of Global COE Program for Earth Sciences, Tohoku University, Japan, September 26, 2012.
Cottaar, S., Piles and puddles in the deep mantle, Berkeley Seismological Laboratory Seminar, UC Berkeley, Berkeley, CA, May 7th, 2013.
Dreger, D. S., Seismic source-type identification and moment tensors of exotic events, Scripps, April 16, 2012.
Dreger, D. S., Refinement of regional distance seismic moment tensor and uncertainty analysis for source-type identification,
AFRL Technical Integration Meeting, September 19, 2013
Godoladze, T., Seismicity of the Caucasus, University of Utah, April 15, 2013.
Hellweg, M., ShakeAlert—Building and Earthquake Early Warning System for California, Meeting of the Bay Area Earthquake Alliance, Oakland, CA, September 27, 2012.
Hellweg, M., Moment Tensor Analysis in Northern California, Bensberg Seismological Observatory, University of Cologne, Germany, October 30, 2012.
Johanson, I., All Shook Up: The science of earthquakes and hazard in the San Joaquin Delta, Delta Kappa Gamma International Society for Key Women Educators, Alpha Zeta Chapter, Stockton, CA, January 16 2013.
Meng, L., Rapid Earthquake Source Imaging At Regional And Local Distance, UCLA Earth, Space and Planetary Science Colloquium Seminar, Los Angeles, CA, April 30, 2013.
Romanowicz, B., Seismic tomography based on numerical wavefield computations: inferences on viscous fingering in the oceanic upper mantle, University of Munich, Germany, October 2012.
Romanowicz, B., Inferences on global dynamics from upper mantle tomography based on numerical seismic wavefield computations, ETH Zurich, Switzerland, October 11, 2012.
Romanowicz, B., Imaging the Earth's Interior, University of California, Berkeley, Berkeley, CA, 100th Martin Meyerson Faculty Research Lecture, April 30, 2013.
Romanowicz, B., L'imagerie sismique du manteau terrestre, Société Française de Physique, Marseille, France, July 2, 2013.
Yuan, Huaiyu, A tale of two continents, Institute of Geology and Geophysics, Chinese Academy of Sciences, Beijing, China, Jan 18, 2013.
Yuan, Huaiyu, Introduction to Seismic Tomography: Methodology, Institute of Geophysics, China Earthquake Administration, Beijing, China, Jan 14 2013.
Yuan, Huaiyu, Introduction to Seismic Tomography: Data and Processing – including special notes on the LAB, an anisotropic view, Institute of Geophysics, China Earthquake Administration, Beijing, China, Jan 15 2013.
Yuan, Huaiyu, Introduction to Seismic Tomography: A Global Survey of Results, 1984 to present, Institute of Geophysics, China
Awards

Panels and Professional Service

Richard M. Allen
Member, Cascadia Initiative Expedition Team Chair, International Earthquake Early Warning Advisory Committee, Geological Institute of Israel
Member, Scientific Advisory Board, European Union Framework 6 Project: Strategies and tools for Real Time EArthquake RisK Reduction (REAKT)
Chair, Amphibious Array Steering Committee (for the NSF Cascadia Initiative)
Chair, IRIS PASSCAL Standing Committee

Roland Bürgmann:
Associate Editor, Bulletin of the Seismological Society of America
Editorial Advisory Board, Eos
Member, National Earthquake Prediction Evaluation Council (NEPEC)
Member, Southern California Earthquake Center (SCEC) Board of Directors
Member, Earth Science Subcommittee of NASA Advisory Council
Member, Organizing Committee of Workshop on Advancing Experimental Rock Deformation Research: Scientific and Technical Needs

Douglas S. Dreger
Cosmos Board of Directors

Margaret Hellweg
Commissioner, Alfred E. Alquist Seismic Safety Commission
Member, CISN Program Management Committee
Member, CISN Standards Committee
Member, CISN Steering Committee
Member, CISN Outreach Committee
Member, ANSS Performance Standards Committee
Member, ANSS Comprehensive Catalog Advisory Committee
Chair, ANSS Class C Instrumentation Evaluation Committee
Member, Bay Area Earthquake Alliance Committee
Member, Bay Area Earthquake Alliance Executive Committee
Member, Editorial Board of Journal of Volcanology and Geothermal Research
Member, New Media Committee, Seismological Society of America

Douglas S. Neuhauser
Chair, Standards Group, California Integrated Seismic Network (CISN)
Acting Member, CISN Program Management Committee

Barbara Romanowicz
Member, Conseil d’établissement, Collège de France
Membre, advisory committee, COMPRES program
Geophysics Search Committee, Université de Lyon-1 (April-June 2013)
Member, PhD Thesis committee, Stéphanie Durand, ENS Lyon, 10/26/2013
President, PhD thesis committee, Sanne Cottaar, UC Berkeley, May 2013
Member, Scientific advisory committee, GEOSCOPE program (Paris, France)
Selection committee, Arthur Holmes Medal, European Geophysical Union.
Member, review panel for INSIGHT program (seismometer on Mars), IPGP, May 27 2013.
Chair, 2013 Gordon Conference on the Interior of the Earth, Mt Holyoke College, 2-7 June 2013.
Organisation of an annual CIDER (Cooperative Institute on Dynamic Earth Research) workshop, on December 10, 2012 in Berkeley: "Continental Lithosphere: formation, evolution, destruction".
PI, CIDER program, funded by NSF/ FESD. Member of organizing team, 2013 CIDER Summer Program at UC Berkeley, July 1- Aug 2, 2013.

Taka’aki Taira
Member, California Integrated Seismic Network, Standards Committee
Member, California Integrated Seismic Network, ShakeMap Working Group
Member, Plate Boundary Observatory, Data Working Group