

ABOUT AGU

Outstanding Student Paper Awards

The following members received Outstanding Student Paper Awards at the 2013 AGU Fall Meeting in San Francisco, Calif. Winners have individual pages on AGU's website at <http://membership.agu.org/ospa-winners/>. See also "Outstanding Student Paper Awards" published previously (Eos, 95(3), 30; Eos, 95(4), 37; Eos, 95(5), 51; and Eos, 95(6), 57).

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Planetary Sciences (P)

Kimberley Birkett, University College London, *Modelling cometary sodium tails*
Ali Bramson, University of Arizona, *Thick subsurface water ice in Arcadia Planitia, Mars*
Benjamin Charnay, University Pierre et Marie Curie, *Is Titan's dune orientation controlled by tropical methane storms?*

Lucas Kavanagh, University of Victoria, *The SOM palaeobarometry method: A critical analysis*

Public Affairs

Katherine Thompson, Columbia University in the City of New York, *The problem with probability: Why rare hazards feel even rarer*

Seismology (S)

Chastity Aiken, Georgia Institute of Technology, *Tectonic tremor triggered along major strike-slip faults around the world*

Naofumi Aso, University of Tokyo, *Does cooling magma drive deep low-frequency earthquakes?*

Camilla Cattania, Deutsches GeoForschungsZentrum (GFZ), *Coulomb-rate-and-state models with time dependent stresses: The role of afterslip and secondary triggering*

Celia Eddy, Columbia University in the City of New York, *Combining local surface-wave amplitude and phase-velocity observations to improve elastic models of Earth structure with USArray data*

Erica Galetti, University of Edinburgh, *Novel uncertainty structures observed in UK ambient noise tomography*

Xiaofeng Meng, Georgia Institute of Technology, *Hurricane Irene's impacts on the aftershocks sequence of the 2011 M_w5.8 Virginia earthquake*

Paul Selvadurai, University of California, Berkeley, *Laboratory investigations into micro-mechanical mechanisms controlling earthquake nucleation*

Michael Witek, Northwestern University, *S-velocity structure of East Asia using ambient seismic noise tomography*

Lian Xue, University of California, Santa Cruz, *Temperature anomaly on the Wenchuan*

earthquake fault zone associated with 2008 M_w7.9 Wenchuan earthquake

Space Physics and Aeronomy (SPA)

Alexander Boyd, University of New Hampshire, *Using phase space density profiles to investigate the radiation belt seed population*

Ryan Dewey, University of Colorado at Boulder, *WSA-ENLIL cone extension: Improving solar wind forcing parameter estimates at Mercury*

Nora Kleinknecht, Norwegian University of Science and Technology, *Planetary wave 1 and 2 activity in MLT during stratospheric warmings from a chain of SuperDARN radars and SD-WACCM*

Xianjing Liu, University of Colorado at Boulder, *Composition change and its effect on mass density response during geomagnetic storm*

Clayton Myers, Princeton University, *Sigmoidal equilibria and eruptive instabilities in laboratory magnetic flux ropes*

Jason Shuster, University of New Hampshire, *Plasma energization in asymmetric magnetic reconnection at the dayside magnetopause during magnetic storms*

Maria de Soria-Santacruz Pich, Massachusetts Institute of Technology, *Non-resonant scattering of inner belt protons by oblique EMIC waves from a space-borne antenna*

Micah J. Weberg, University of Michigan, *Coronal sources, elemental fractionation, and release mechanisms of heavy ion dropouts in the solar wind*

Study of the Earth's Deep Interior (SEDI)

Harriet Lau, Harvard University, *Constraining deep Earth structure using tidal tomography*

Mingming Li, Arizona State University, *Three dimensional morphology and dynamics of ultra-low velocity zones*

Tectonophysics (T)

Blair Burgreen, Stanford University, *The impact of structural deformation in a 2D basin and petroleum system model of the East Coast Basin, New Zealand*

Tina Dura, University of Pennsylvania, *Diatoms confirm coseismic uplift and subsidence along the eastern Alaska-Aleutian megathrust*

Nathan Eichelberger, Princeton University, *Tracking crustal thickness changes during central Andean deformation*

Zach Eilon, Columbia University in the City of New York, *Teleseismic body wave tomography within a highly extended continental rift: The Woodlark Rift, Papua New Guinea*

Devon Anne Orme, University of Arizona, *Basin evolution of the Cretaceous-Early Eocene Xigaze Forearc, southern Tibet*

Aurore Sibrant, University of Paris-Sud, *Volcano-tectonic evolution of Santa Maria Island: Implications for the Nubia-Eurasia plate boundary in the Azores*

Maureen LeVair Walton, University of Texas at Austin, *New mapping and structural constraints on the Queen Charlotte-Fairweather Fault system, southeast Alaska*

Mark Wildman, University of Glasgow, *Multiple, discrete inversion episodes revealed by apatite fission track analysis along the southernmost Atlantic margin of South Africa*

Erin Wirth, Yale University, *Anisotropic properties of the mid-lithospheric discontinuity beneath central North America*

Emily Wolin, Northwestern University, *New seismological constraints on the structure of stable North American lithosphere*

Volcanology, Geochemistry, and Petrology (VGP)

Elizabeth Bell, University of California, Los Angeles, *Late Hadean-Eoarchean transitions in crustal evolution from Hf isotopic evidence in the Jack Hills zircons*

Suzanne Birner, Stanford University, *Variations in oxygen fugacity among forearc peridotites from the Tonga Trench*

Phillip Gopon, University of Wisconsin-Madison, *Quantitative EPMA of nano-phase iron-silicides in Apollo 16 lunar regolith*

Colin Jackson, Brown University, *Applicability of Henry's law to helium solubility in olivine*

Julia Kubanek, Karlsruhe Institute of Technology, *Monitoring lava dome changes by means of differential DEMs from TanDEM-X interferometry: Examples from Merapi, Indonesia and Volcán de Colima, Mexico*

Hilary Morgan, University of Alaska Fairbanks, *Analysis of multi-resolution satellite imagery of the 2012–2013 eruption of Tolbachik volcano, Kamchatka, with comparison of lava flow modeling and ground observations*

Arianna Soldati, University of Missouri, Columbia, *Bubble rise and break-up in volcanic conduits*

Mark Stelten, University of California, Davis, *The mechanisms and timescales of rhyolite generation at Yellowstone caldera: New insights from ²³⁸U/²³⁰Th crystallization ages, trace-elements, and isotope compositions of zircon and sanidine*