

Outstanding Student Paper Awards

The following AGU members received Outstanding Student Paper Awards at the 2010 AGU Fall Meeting in San Francisco, Calif. See also "Outstanding Student Paper Awards" published previously (Eos, 92(18), 155; 92(19), 165) and in future issues of Eos

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Natural Hazards

Kelly Klima, Carnegie Mellon University, Pittsburgh, Pa., *Does it make sense to modify tropical cyclones? A decision-analytic assessment*

Daniele McKay, University of Oregon, Eugene, *Interactions between mafic eruptions and glacial ice or snow: Implications of the 2010 Eyjafjallajökull, Iceland, eruption for hazard assessments in the central Oregon Cascades*

Shi Sim, University of California, San Diego, *Comparison of the microseismic signature of hurricanes Katrina (2005) and Ioke (2006)*

Near-Surface Geophysics

Ali Araji, Colorado School of Mines, Golden, *A numerical investigation of cross-hole seismoelectric conversion*

Majid Beiki, Uppsala University, Uppsala, Sweden, *Deconvolution of gravity gradient tensor data using an infinite dike model*

Ocean Sciences

Ryan Abernathey, Massachusetts Institute of Technology, Cambridge, *The dependence of the Southern Ocean residual MOC on wind strength*

Jessica Anderson, University of Washington, Seattle, *Near-surface measurements of temperature and salinity in the tropical western Pacific from profiling floats*

David Clark, Scripps Institution of Oceanography, La Jolla, Calif., *Boussinesq modeling of HB06 tracer releases: Part 2. Tracer plumes*

Emily Comer, Pennsylvania State University, University Park, *Depositional environments of Late Danian plant localities: Chubut Province, Patagonia, Argentina*

Elizabeth Crook, University of California, Santa Cruz, *The impact of low pH, low aragonite saturation state on calcifying corals: An in-situ study of ocean acidification from the "ojos" of Puerto Morelos, Mexico*

Kyla Drushka, Scripps Institution of Oceanography, La Jolla, Calif., *Argo measurements of Madden-Julian Oscillation mixed-layer variability*

Benét Duncan, University of Colorado at Boulder, *Rectification of atmospheric intraseasonal oscillations on seasonal to interannual sea surface temperature and upper ocean heat content in the Indian Ocean*

Joseph Geiman, Center for Applied Coastal Research, University of Delaware, Newark, *Modal analysis of rip current cell oscillations*

Shuoshuo Han, Columbia University, New York, *Upper crustal structure above off-axis magma lenses at RIDGE-2000 East Pacific Rise integrated study site from 3D multichannel seismic reflection data*

Santiago Herrera, Massachusetts Institute of Technology–Woods Hole Oceanographic Institution Joint Program, Woods Hole, Mass., *Biodiversity of the deep-sea benthic fauna in the Sangehe-Talud region, Indonesia: Observations from the INDEX-SATAL 2010 expedition*

Martin Hoecker-Martinez, Oregon State University, Corvallis, *Trapping of gyrotactic organisms in an unstable shear layer*

Daniel Jones, Colorado State University, Fort Collins, *The transient response of the Southern Ocean pycnocline to changing atmospheric winds*

Katherine Maier, Stanford University, Stanford, Calif., *Development of levees on deep-sea channels: Insights from high-resolution AUV exploration of the Lucia Chica system, offshore central California*

Jill McDermott, Woods Hole Oceanographic Institution, Woods Hole, Mass., *Evidence for deep sea hydrothermal fluid-mineral equilibrium from multiple S isotopes*

John Osborne, Oregon State University, Corvallis, *Modeling the internal tide in combination with wind-driven circulation on the Oregon shelf*

Lauren Rafelski, Scripps Institution of Oceanography, La Jolla, Calif., *Continuous measurements of dissolved oxygen isotopes in the California coastal ocean*

J. Paul Rinehimer, University of Washington, Seattle, *Observations of ebb flows on tidal flats: Evidence of dewatering?*

Drew D. Syverson, University of Minnesota, Twin Cities, *An experimental study of the effect of temperature, fluid chemistry and reaction rate on Sr-Ca partitioning in anhydrite: Implications for seafloor hydrothermal alteration processes*

Christina Tanner, Scripps Institution of Oceanography, La Jolla, Calif., *Coastal carbonate chemistry dynamics associated with macrophyte systems*

Robert Todd, Scripps Institution of Oceanography, La Jolla, Calif., *Mesoscale and submesoscale thermohaline structure in the California Current System from glider observations*

Ryan Walter, Stanford University, Stanford, Calif., *Can atmospheric boundary layer similarity scaling represent turbulent spectra and cospectra in estuarine flows?*

Jinbo Wang, Massachusetts Institute of Technology–Woods Hole Oceanographic Institution Joint Program, Woods Hole, Mass., *The influence of the large scale circulation on an eastern boundary current*

Robert Weekly, University of Washington, Seattle, *Upper crustal seismic velocity structure of the Endeavour Segment, Juan de Fuca Ridge*

Min Xu, Woods Hole Oceanographic Institution, Woods Hole, Mass., *3D multichannel seismic imaging of melt-rich lenses beneath and off the East Pacific Rise integrated study site*

Tingting Yang, University of North Carolina at Chapel Hill, *Microbial community dynamics of the Deepwater Horizon oil spill*

Yao You, University of Texas at Austin, *The relationship of sediment dilation and pore pressure dissipation to slope failure styles during breaching*

Tess Zyla, University of Victoria, Victoria, British Columbia, Canada, *Tracking and quantifying methane bubble plumes on the North Cascadia Margin*

Planetary Sciences

Alexander Hayes, California Institute of Technology, Pasadena, *Seasonal variation in Titan's lakes and their role in the methane cycle (Invited)*

Daniel Heißelmann, Technische Universität Braunschweig, Braunschweig, Germany, *Experimental investigations on the collisional properties of ice particles in Saturn's rings*

Andrew Poppe, University of Colorado at Boulder, *Non-monotonic potentials above the lunar surface: Implications for electron reflectometry measurements*

Natalie Szponar, Memorial University of Newfoundland, St. John's, Newfoundland, Canada, *Present-day serpentinization in the Tablelands, Gros Morne National Park, Newfoundland: A Mars analogue site*

Eric Wolf, University of Colorado at Boulder, *A fractal aggregate model of early Earth organic hazes: UV shielding with minimal antigreenhouse cooling*

Public Affairs (Societal Impacts and Policy Sciences)

Eleonor Barraza, Harte Research Institute, Texas A&M University, Corpus Christi, *How would a more resilient Galveston look?*

Christopher Shughrue, University of California, San Diego, *Future oil spills and possibilities for intervention: A model for the coupled human-environmental resource extraction system*