

Winter 2007 Smith Lecture Schedule

January	12	Bridget Smith-Konter, Scripps Institution of Oceanography	Historical Vertical Deformation and Stress Evolution of the San Andreas Fault System
	19	Colleen Dalton, Harvard University	Imaging and Interpreting Seismic Attenuation in the Upper Mantle
	26	Calvin Miller, Vanderbilt University	Tracking Magmas in the Upper Crust: Regional, Outcrop, and Mineral-scale Perspectives
February	2	March Hirschmann, University of Minnesota	Basalt Magmatism and the Deep Earth Carbon Cycle
	9	<i>No lecture</i>	
<i>Dorr Dinner</i>	16	Alan Levander, Rice University	Imag(in)ing the Continental Lithosphere
	23	<i>Winter Vacation</i>	<i>No lecture</i>
March	2	<i>Winter Vacation</i>	<i>No lecture</i>
	9	Olivier Rouxel, Woods Hole	Using Iron Isotopes as Tracers of Redox Changes in the Paleoproterozoic Ocean
	16	Elizabeth Catlos, Oklahoma State University	From Mineral Grain to Mountain Range: Perspectives on the Evolution of the Himalayas
	23	Kip Hodges, Arizona State University	Climate Change and the Late Cenozoic Tectonic Evolution of the Himalaya and Tibet
	30	<i>No lecture</i>	
April	6	Jie Li, University of Illinois	Squeezing Electrons in Iron: A New View of the Deep Earth
	13	Amanda Clarke, Arizona State University	Investigating the Dynamics of Vulcanian Explosions: Scaled Laboratory Experiments of Particle-laden Puffs

Winter 2007 — Other Lectures

January	8	Katharina Pahnke, Lamont-Doherty Earth Observatory	Glacial to Holocene Hydrological Changes in the Eastern Tropical Pacific Recorded by D/H Ratios in Alkenones
	10	Shanan Peters, University of Michigan	Quantitative Macrostratigraphy: Implications for Evolution, Climate, and Tectonics
	15	Amelia Shevenell, University of Washington, Seattle	Middle Miocene Antarctic Cryosphere Expansion and Southern Ocean Cooling
	17	David Lund, California Institute of Technology	The Ocean Circulation on Geological Timescales: Emerging Techniques in Quantitative Paleoceanography
	22	Andrew Ashton, Woods Hole Oceanographic Institution	Large-scale Coastal Evolution: Shoreline Instability and the Self-Organization of Capes and Spits
	23	Jack Loveless, Cornell University	Extensional Tectonics of the Northern Chilean Forearc
	24	Neil Tabor, Southern Methodist University	The Dirty Little Secrets of Climate Change: Paleosols as Quantitative Records of Icehouse and Greenhouse Worlds
	29	Nathan Sheldon, Royal Holloway University of London	Global Change and the Emergence of Grasslands in the Cenozoic
	31	David Johnston, University of Maryland	A Stable Isotope Approach to Geomicrobiology
February	5	Maria Dittrich, Swiss Federal Institute for Technology (ETH)	Action at the Geosphere-Biosphere Interface: New Messages from Cyanobacteria
	7	Gregory Dick, Scripps Institution of Oceanography, University of California, San Diego	Molecular Geomicrobiology: Mining Genomic Data to Understand the Microbially Mediated Formation and Dissolution of Minerals
	12	John Moreau, University of Wisconsin, Madison	Microbial Sulfur Cycling and the Fate of Metals in Mining-Impacted Environments