

Fall 2009 Smith Lecture Schedule

September	18	Paul Asimow, Caltech	Shock Wave Experiments on Silicate Liquids at Lower Mantle Pressure
	25	Rajdeep Dasgupta, Rice University	Major Element and Volatile Heterogeneity in the Earth's Mantle
October	2	Frederik Simons, Princeton University	Estimating the Changing Distribution of Earth's Mass using GRACE (while unlocking the secrets of the universe)
<i>Case Lecture</i>	6	Warren Allmon, Cornell University	Back to the Future, Forward to the Past: The Role(s) of Natural History Museums in the Modern World
	9	Peter Huybers, Harvard University	Feedback Between Deglaciation, Volcanism, and Atmospheric CO ₂
	16	Phil Gingerich, University of Michigan	Origin and Early Evolution of Whales
	30	Jim Zachos, University of California at Santa Cruz	Rapid Global Warming and Ocean Acidification 55 Million Years Ago: Lessons for the Future
November	6	Brandy Toner, University of Minnesota	Tracking Redox Sensitive Elements in Mid-ocean Ridge Hydrothermal Plumes
	13	Rod Ewing, University of Michigan	Pyrochlore & Plutonium: The Elegant Response of a Simple Structure to Extreme Conditions
	20	Yan Liang, Brown University	Melting and Melt Migration in a Heterogeneous Mantle
	27	<i>Thanksgiving</i>	<i>No lecture</i>
December	4	Stephen Johnston, University of Victoria, BC	Bent Mountain Belts: A Paleogeographic, Plate Tectonic and Paleomagnetic Dilemma
	11	Russell Hemley, Geophysical Laboratory, Carnegie Institution of Washington	How Elements Behave Inside Planets