

**PURDUE UNIVERSITY**  
**Department of Earth & Atmospheric Sciences**  
**Seminars for Spring 2008**

**Thursdays at 3:30PM in 1252 CIVL Bldg.** (unless noted)

**January**

- 17 "Climatology and Trend of Large-Scale Eddy in the Troposphere and Stratosphere Diagnosed with Quasi-Conservative Coordinates",  
Dr. Noboru Nakamura, the University of Chicago. Host: Wen-wen Tung
- 24 "The Earth's Inner Core: Anisotropy, Rotation and Topography" Prof Xiaodong Song,  
Univ. of Illinois-Urbana, Host: R.Nowack
- 31 "Analogical Thinking and Scientific Reasoning in Geosciences" Prof. Duncan Sibley,  
Michigan State, Host: Eric Riggs

**February**

- 7 "Geodynamic Modeling of Mantle Flow in The Western United States",  
Dr. Joya Tetreault, Univ. New Mexico Host: Hersh Gilbert
- 14 Discovery Lecture: "Super-Greenhouses and Middle East Oil",  
Prof. J. Ogg, Purdue University
- 21 "Experimental Modeling of Convergent Tectonics", Prof. Saad Haq, Purdue University
- 28 "Seismotectonics of South-Central Alaska", Prof. Diane Doser, Univ. of Texas El Paso,  
Host: Ken Ridgway

**March**

- 10-14 *SPRING BREAK*
- 20 "Moist Convection and Eddy Mixing: How Saturation Potential Vorticity Provides New Insights into Climate Dynamics", Prof. Robert Korty, Texas A&M,  
Host: M. Huber
- 27 "Speeding Ice and Shifting Paradigms: Time Scales of Possible Ice Sheet Collapse",  
Dr. Ian Howat, Ohio State University Host: Brenda Beitler Bowen

**April**

- 10 "Climatic Effects of Nuclear War," Prof. Alan Robock,  
Rutgers University Host: Jennifer Haase
- 11 (Friday) EAS Awards Banquet - Alumni Speaker David Hager
- 17 "Tectonics in Extreme Environments: Erosion and Tectonic Interactions in the St. Elias Mountains, Alaska", Prof. Terry Pavlis, Univ. of Texas Host: Ken Ridgway
- 24 "Inside the Terrestrial Planets", Prof. Maria Zuber, MIT,  
(College of Science Special Lecture.), PHYS Room 203 at 2:30 PM