

**PURDUE UNIVERSITY**  
**Department of Earth, Atmospheric, and Planetary Sciences**  
**Seminars – Spring 2013**  
**Thursdays at 3:30 PM, Room 1252 HAMP (unless noted)**

- Feb. 7 Glacial Records from the Peruvian Andes Suggest Similar Climate Forcings But Different Local Influences  
Jacqueline A. Smith, The College of Saint Rose
- Feb. 14 Bioenergy and Environment: What Can We Expect from Croplands  
Zhangcai Qin (PhD Candidate)
- 21 Numerical Study of 1998 Dust Storms in East Asia  
Wen-Yeh Sun, Purdue University
- 28 The Roles of Static and Dynamic Stresses in Connecting Earthquakes: Case Studies of a Recent Event  
Aaron Velasco, The University of Texas, El Paso
- March 7 Episodic Slow Slip in Subduction Zones: Observational Constraints and Numerical Models  
Allan Ruben, Princeton University
- 14 No Seminar – Spring Break
- 21 The Design and Implementation of Place-Based, Culturally Relevant Geoscience Curriculum and Assessment  
Steven Semkin, Arizona State Univ. and Earthscope National Office
- 28 Lijun Liu, University of Illinois, Urbana-Champaign
- April 4 CO<sub>2</sub> and Non-CO<sub>2</sub> Forcings in Warm Cenozoic Greenhouse and Future Climates  
Aaron Goldner (PhD Candidate)
- 11 Hugh Morrison, NCAR
- 18 The Effects of Urbanization on the Coupled Nitrogen-Hydrologic Cycle on Semi-Arid Urban Environments  
Krystin Riha, Ph.D. Candidate)
- 25 Out-of-Sequence Thrusting in Brittle Wedges Resulting from Mass Flux and Wedge Consolidation: Insights from Analog Modeling  
Saad Haq, Purdue University
-