

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

- Aug. 29 The Early Development of Stable Isotope Geochemistry  
Yuch-Ning Shieh, Purdue University
- Sept. 3 Paleoseismology: Has It Reduced Seismic Hazards, And If Not, How Do We Change  
Course?  
Dr. Jim McCalpin, AEG/GSA Jahns Lecture Host: West  
**4:00pm, Room 2201/HAMP**
- 5 Microphysical Differences Within Deep Convective Clouds Due to a Warmer Climate  
Cecille Villanueva-Birriel (PhD Candidate) Advisor: Lasher-Trapp
- 19 The Formation of Ice in Maritime Cumuli: Observations and Modeling  
Alexandria Johnson (PhD Candidate) Advisor: Lasher-Trapp
- 20 Black Carbon and Other Light-Absorbing Impurities in Snow  
Prof. Stephen Warren, Univ. of Washington Host: Harshvardhan  
**12:30pm, Room 3201/HAMP**
- 26 Greenhouse Gas Emissions from Arctic Ecosystems and the Global Climate System  
Qianlai Zhuang, Purdue University
- Oct. 3 Soil Formation in the Hyper-arid Core of the Atacama Desert, Chile  
Fan Wang (PhD Candidate) Advisor: Michalski
- 17 Water Resources Decision Support Systems: Examination of Successful Systems and a  
Look to the Future  
Prof. Bernard Engel, ABE, Purdue University
- 24 Understanding the Formation and Composition of Planetary Atmospheric Hazes  
Dr. Sarah Horst, University of Colorado Host: Minton
- Nov. 7 Relict Cosmogenic Nuclides as a Means to Interpret Holocene Glacier Dynamics  
Dr. Brent Goehring, Purdue University
- 14 Data-driven Methods for Quantifying Geophysical Predictability  
Prof. Dimitris Giannakis, New York University Host: Tung
- 21 Rates of Landform Evolution on the Moon and Mars  
Prof. Caleb Fassett, Mount Holyoke College Host: Minton
- Dec. 5 Tropical Cyclone Structure  
Robert Fovell, University of California, Los Angeles Host: Trapp
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