


**PURDUE UNIVERSITY**  
**Department of Earth, Atmospheric, and Planetary Sciences**  
**Colloquia – Spring 2016**  
**Thursdays at 3:30 PM, Room 1252 HAMP (unless noted)**

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|---------|---|---------------------|
| Jan. 21 | Chuck Doswell, C. Doswell Enterprises, Inc.<br>“A Retrospective Look at the Relationship Between Academic Achievement and a Professional Career as a Scientist”   | Host: Tanamachi     |
| Jan. 28 | Roshi Nateghi, Purdue University<br>“Risk Analytics for the Impacts of Extreme Events on Infrastructure Systems”  | Host: Baldwin       |
| Feb. 2  | Kim Elmore, CIMMS and National Severe Storm Laboratory<br>“mPING at NSSL: Past, Present and Possible Futures”<br><b>Joint seminar w/Civil Engineering; 3:30 PM, Room 1144/HAMP</b>                                      | Host: Baldwin       |
| Feb. 4  | Darryl Granger, Purdue University<br>“Cosmogenic Nuclides: From Landscape Evolution to Human Evolution”   |                     |
| Feb. 11 | Benjamin MacCall, Army Research Lab<br>“The US Army Research Laboratory Atmospheric Science Center: A New Resource for the Characterization and Modeling of Boundary Layer Processes in Complex Terrain”                | Host: Sun           |
| Feb. 18 | Steve Jacobsen, Northwestern University<br>“Earth’s Deep Water Cycle: Atomic to Geophysical Scales”   | Host: Gilbert       |
| Feb. 23 | Roby Douilly, PhD Candidate<br>“3D Dynamic Rupture Simulations Following the 2010 Haiti Earthquake and Scenarios of Potential Earthquakes on the Enriquillo Fault”<br><b>Tuesday, 4:00 PM, Room 2201/HAMP</b>           | Advisor: Freed      |
| Feb. 25 | James Hurrell, Director, NCAR<br>“Research Highlights at NCAR in 2015”  | Host: Agee          |
| Mar. 3  | Carol Ann Clayson, Woods Hole Oceanographic Institution<br>“The Role of the Ocean in the Global Climate”  | Host: Agee          |
| Mar. 10 | Francesca E DeMeo, Harvard-Smithsonian Center for Astrophysics<br>“Asteroids as Records of Solar System History”  | Host: Minton        |
| Mar. 24 | Oliver Boyd, U.S. Geological Survey<br>“Seismic Hazard and Geodesy in the New Madrid Seismic Zone”  | Host: Gilbert       |
| Mar. 29 | Jonathan Buzan, PhD Candidate<br>“Quantifying Heat Stress and Their Relationship to Atmospheric Thermodynamics Due to Global Climate Change”<br><b>Tuesday, 4:00 PM, Room 2201/HAMP</b>                                 | Advisor: Agee/Huber |
| Mar. 31 | Daniella Rempe, University of Texas, Austin<br>“The Ecological Significance of Landscape-scale Weathering Patterns And Rock Moisture: Observations from the Eel River Critical Zone Observatory in Northern California” | Host: Frisbee       |
| Apr. 5  | Zhenong Jin, PhD Candidate<br>“Using Crop Model to Assess and Mitigate the Impact of Climate Change on the US Agriculture System”<br><b>Tuesday, 4:00 PM, Room 2201/HAMP</b>  | Advisor: Zhuang     |

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- Apr. 7 Tiffany Shaw, University of Chicago Host: Wu  
“What Does the Seasonal Cycle Tell Us About the Atmospheric  
Circulation Response to Global Warming”
- Apr. 12 Steeve Symithe, PhD Candidate Advisor: Freed  
“Active Deformation in the Caribbean and Southern Haiti”  
**Tuesday, 4:00 PM, Room 2201/HAMP**
- Apr. 14 Catherine Macris, IUPUI Host: Milbury  
“Seconds after Impact: Insights from Tektites and Experiments”
- April 21 No Seminar, Visit Dean Roberts
- April 26 Qianwen Luo, PhD Candidate Advisor: Tung  
“The Cloud-Radiative Forcing of the US Landfalling Atmospheric Rivers”  
**Tuesday, 4:00 PM, Room 2201/HAMP**
- April 28 Marcia Bjornerud, Lawrence University Host: Milbury  
“Decoding the Record of Ancient Earthquakes: Pseudotachylytes from  
Norway, New Zealand and northern Wisconsin”