**EAPS MEETINGS & EVENTS**

**CoS SPRING FACULTY MEETING SCHEDULE**
Feb. 16 & Apr. 19, 2016
LWSN 1142
3:30-4:30 PM

**EAPS SPRING FACULTY MEETING SCHEDULE**
Feb. 9th, Mar. 22nd, Apr. 12th, 2016
HAMP 3201
3:00-4:30 PM

**COS STRATEGIC PLANNING LISTENING SESSION**
January 28, 2016
LWSN 1142
1:00 PM

**LPSC 2016**
March 21-25, 2016
The Woodlands, Texas

**EAPS AWARDS BANQUET**
April 18, 2016
Buchanan Club of Ross-Ade Pavilion
Reception: 5:30 PM
Dinner at 6:00 PM

**ALUMNI ADVISORY BOARD MEETING**
April 19, 2016
HAMP 2201

**DEAN’S VISIT TO DEPARTMENT**
April 21, 2016
1:30 - 4:00 PM

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**EAPS COLLOQUIA**

Roshi Nateghi, Purdue University
“Risk Analytics for the Impacts of Extreme Events on Infrastructure Systems”
Thursday, Jan. 28, 2016
3:30 PM
HAMP 1252

**EAPS NEWS**

**COS STRATEGIC PLANNING LISTENING SESSION**
The first Strategic Planning Listening Session for the spring semester is taking place this month. Representatives from RTG will be present and share information on the next steps in planning process and Dean Roberts will open the floor for questions or comments.

**January 28, 2016**
LWSN 1142
1:00 PM

**EAPS FACULTY AND STAFF RESOURCE FUND**
The EAPS Faculty and Staff Resource Fund provides faculty and full-time, permanent staff with a simple, open, and transparent way to request resources they need to be productive in their work. This is not intended to replace other sources (e.g. grants, discretionary accounts, start-up, competitive programs on campus, and usual supplies and expenses), rather it is to meet occasional needs that are important for individual productivity and advancement in cases where these other sources are not available to an individual. Examples include professional development course tuition, office needs, and professional conferences.

**Procedure:**
Applications to the fund should be sent via email (as a pdf) to the Assistant Department Head. Requests must include the following items and not exceed one page.

- applicants name, position title, email address
- a detailed, one paragraph description of what is being requested
- a short explanation of how this will help the individual be productive in their work
- amount requested (this program will accept requests between $200 and $2,000)
· time constraints on what is being requested (e.g., a deadline for registration)

Request deadline is the 20th of each month. Decisions will be made by the 5th of the following month. All requests will be reviewed by a group including the Assistant Department Head, the Business Manager, and at least two members of the EAPS Executive Committee.

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EAPS OMBUDSMAN

What is an Ombudsman? The ombudsmen are an informal, neutral, confidential resource for people in the department, especially students, to raise questions or concerns about any aspect of their academic experience. The EAPS ombudsman is Barbara Gibson (HAMP 2169B; barbara@purdue.edu) –please feel free to contact her if needed.

UNDERGRADUATE AND GRADUATE STUDENT INFORMATION

BRAZIL STUDY ABROAD 2016

Call out for a study abroad opportunity in 2016. Open to all students. In this 6 credit course, students learn the rigors ethnographic field methods in the heart of the Brazilian Amazon.

January 25 or February 1
5:45-6:30 p.m.
STONE 154

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SPRING 2016 CONVERSATION WITH AN ENVIRONMENTAL LEADER (CEL) SERIES

The Center for the Environment (C4E) is hosting a series designed to give Purdue undergraduate students an opportunity to engage in meaningful dialog with a diverse range of civic, corporate, and non-profit environmental leaders in an informal setting. These leaders will share their personal career journeys and perspectives on environmental leadership and reflect on the kinds of skills and interests careers in environmental-related fields require.

The CEL program offers an additional way for students to explore how a wide range of professions focus on solving important environmental challenges locally, nationally, and internationally, in the public and private sectors. Each event is structured as an informal conversation between an environmental leader and a small group of students, including dinner.

February 11, 2016: Jim Poyser, Executive Director, Earth Charter Indiana

March 10, 2016: Susan Mudd, Senior Policy Advocate, Environmental Law and Policy Center

April 21, 2016: Cristina Negri, Agronomist and Environmental Engineer, Argonne National Laboratory

Register at www.purdue.edu/dp/environment. The deadline is Friday, January 29.

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ACES (ADVANCED COMPUTING FOR EARTH SCIENCES) UNIVERSITY OF VIRGINIA

A terrific internship opportunity that is open to Purdue undergraduate and graduate students.

Week 1: Basic programming and software engineering
Week 2: Advanced visualization and compiled languages
Week 3: High-performance computing (including serial optimization), high-throughput computing, MPI, and OpenMP
Weeks 4-12: Students receive 8-week paid internships to NASA research centers nationwide

Travel expenses included
Paid NASA internships
Partially-subsidized meals and housing

For more information, please visit: arcs.virginia.edu/aces.

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NASA EARTH AND SPACE SCIENCE FELLOWSHIP (NESSF) PROGRAM.

NASA announces a call for graduate fellowship proposals to the NASA Earth and Space Science Fellowship (NESSF) program for the 2016-2017 academic year. This call for fellowship proposals solicits applications from accredited U.S. universities on behalf of individuals pursuing Master of Science (M.Sc.) or Doctoral (Ph.D.) degrees in Earth and space sciences, or related disciplines. The purpose of NESSF is to ensure continued training of a highly qualified workforce in disciplines needed to achieve NASA’s scientific goals. Awards resulting from this competitive selection will be made in the form of training grants to the respective universities.

The deadline for NEW applications is February 1, 2016, and the deadline for RENEWAL applications is March 15, 2016.

The NESSF call for proposals and submission instructions are located at the NESSF 16 solicitation index page at http://nspires.nasaprs.com/- click on "Solicitations" then click on "Open Solicitations" then select the "NESSF 16" announcement. Also refer to "Program Specific Questions" and "Frequently Asked Questions" listed under "Other Documents" on the NESSF 16 solicitation index page.

All proposals must be submitted in electronic format only through the NASA NSPIRES system. The faculty advisor has an active role in the submission of the fellowship
To use the NSPIRES system, the faculty advisor, the student, and the university must all register. Extended instructions on how to submit an electronic proposal package are posted on the NESSF 16 solicitation index page listed above. You can register in NSPIRES at http://nspires.nasaprs.com/.

For further information contact Claire Macaulay, Program Administrator for NESSF Earth Science Research, Telephone: (202) 358-0151, E-mail: claire.i.macaulay@nasa.gov or Dolores Holland, Program Administrator for NESSF Heliophysics Research, Planetary Science Research, and Astrophysics Research, Telephone: (202) 358-0734, E-mail: hq-nessf-space@nasa.gov

MERIT-BASED SUPPORT TO GRADUATE STUDENTS

The EAPS Department provides the opportunity for merit-based support to graduate students to present their research at professional conferences. The maximum yearly amount of department support is $400 per graduate student (each fiscal year). Submit your form to Kathy Kincade (Room 2169D/HAMP) no later than one month prior to the start of the conference you plan to attend. Requests after the fact or after that timeframe will not be accepted.

IMPORTANT NOTICE ABOUT THIS NEWSLETTER

This newsletter is used as the primary information source for current and upcoming events, announcements, awards, grant opportunities, and other happenings in our department and around campus. Active links to additional information will be provided as needed. Individual email announcements will no longer be sent unless the content is time-sensitive. We will continue to include our publications, presentations and other recent news items as well. Those using paper copies of the newsletter should go to our newsletter archive on the EAPS website at http://www.eaps.purdue.edu/news/newsletters.html and Click on News to access active links as needed. While Fallon is on leave, material for inclusion in the newsletter should be submitted to Jill (jwable@purdue.edu) by 5:00pm on Thursday of each week for inclusion in the Monday issue.

If it is in the newsletter, we assume you know about it and no other reminders are needed. For answers to common technology questions and the latest updates from the EAPS Technology Support staff, please visit http://www.eaps.purdue.edu/resources/information_technology/index.html.

Also, as an additional resource for information about departmental events, seminars, etc., see our departmental calendar at http://www.EAPS.purdue.edu/events-calendar.html
PURDUE UNIVERSITY
Department of Earth, Atmospheric, and Planetary Sciences
Colloquia – Spring 2016
Thursdays at 3:30 PM, Room 1252 HAMP (unless noted)

Jan. 21 Chuck Doswell, C. Doswell Enterprises, Inc. Host: Tanamachi
“A Retrospective Look at the Relationship Between Academic Achievement and a Professional Career as a Scientist”

Jan. 28 Roshi Nateghi, Purdue University Host: Baldwin
“Risk Analytics for the Impacts of Extreme Events on Infrastructure Systems”

Feb. 2 Kim Elmore, CIMMS and National Severe Storm Laboratory Host: Baldwin
“mPING at NSSL: Past, Present and Possible Futures”
Joint seminar w/Civil Engineering; Time and Location TBA

Feb. 4 Lou Wicker, National Severe Storms Laboratory Host: Dawson
“NOAA’s Warn-on-Forecast Program: Current Status and Recent Findings”

Feb. 11 Benjamin MacCall, Army Research Lab Host: Sun
“The US Army Research Laboratory Atmospheric Science Center: A New Resource for the Characterization and Modeling of Boundary Layer Processes in Complex Terrain”

Feb. 18 Steve Jacobsen, Northwestern University Host: Gilbert
“Earth’s Deep Water Cycle: Atomic to Geophysical Scales”

Feb. 23 Roby Douilly, PhD Candidate Host: Freed
“3D Dynamic Rupture Simulations Following the 2010 Haiti Earthquake and Scenarios of Potential Earthquakes on the Enriquillo Fault”
Tuesday, 4:00 PM, Room 2201/HAMP

Feb. 25 James Hurrell, Director, NCAR Host: Agee
“Research Highlights at NCAR in 2015”

Mar. 3 Carol Ann Clayson, Woods Hole Oceanographic Institution Host: Agee
“The Role of the Ocean in the Global Climate”

Mar. 10 Francesca E DeMeo, Harvard-Smithsonian Center for Astrophysics Host: Minton
“Asteroids as Records of Solar System History”

Mar. 24 Oliver Boyd, U.S. Geological Survey Host: Gilbert
“Seismic Hazard and Geodesy in the New Madrid Seismic Zone”

Mar. 29 Steeve Symithe, PhD Candidate Host: Freed
“Active Deformation in the Caribbean and Southern Haiti”
Tuesday, 4:00 PM, Room 2201/HAMP

Mar. 31 Daniella Rempe, University of Texas, Austin Host: Frisbee
“The Ecological Significance of Landscape-scale Weathering Patterns And Rock Moisture: Observations from the Eel River Critical Zone Observatory in Northern California”

Apr. 5 Zhenong Jin, PhD Candidate Host: Zhuang
“Using Crop Model to Assess and Mitigate the Impact of Climate Change on the US Agriculture System”
Tuesday, 4:00 PM, Room 2201/HAMP
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. 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”
Critical infrastructure systems underlie the economic prosperity of every society. Ensuring the reliability and resiliency of these highly complex, interactive and interdependent systems is of utmost importance, due to the essential services that they provide to our society. Natural catastrophes pose great risks to critical infrastructure systems. Examples such as typhoon Haiyan in the Philippines, Tōhoku earthquake and tsunami in Japan, and hurricanes Katrina and Sandy in the U.S. highlight the extent to which both high-income and low-income countries are vulnerable to natural disaster impacts and face risk management and adaptation challenges. In this presentation, I will elaborate my research on modeling the impacts of extreme events on critical infrastructure systems. The focus of the talk will primarily be on the impacts of hurricanes on power systems.
Brazil Abroad 2016
Indigenous Peoples, Conservation and Development
Ethnographic Field Methods
January 25 or February 1
5:45-6:30 PM Stone 154
Pizza & Refreshments

In this 6 credit course students learn the rigors of ethnographic field methods in the heart of the Brazilian Amazon.

In addition to methods training, students work with anthropologists, conservation biologists, indigenous leaders, and NGO directors from the area on a final project tailored to their academic and professional goals.

No prerequisites.

http://www.studyabroad.purdue.edu/programs/flyer.cfm?flyer=1035

http://lzanotti13.wix.com/brazilabroad
The Conversation with an Environmental Leader series is an opportunity for undergraduate students to engage in meaningful dialog with a diverse range of civic, corporate, and non-profit environmental leaders in an informal setting over dinner. These leaders will share their personal career journeys and perspectives on environmental leadership and reflect on the kinds of skills and interests careers in environmental-related fields require. These events are a way for students to explore how a wide range of professions focus on solving important environmental challenges locally, nationally, and internationally, in the public and private sectors. Each event is structured as an informal conversation between an environmental leader and a small group of students, including dinner. Space is limited so registration is required to participate. Register for Conversation with an Environmental Leader.

**FEBRUARY 11, 216**
Jim Poyser, Executive Director, Earth Charter Indiana

**MARCH 10, 216**
Susan Mudd, Senior Policy Advocate, Environmental Law and Policy Center

**APRIL 21, 216**
Cristina Negri, Agronomist and Environmental Engineer, Argonne National Laboratory

**REGISTER**
www.purdue.edu/dp/environment
ACES
Advanced Computing for Earth Sciences

Week 1: Basic programming and software engineering
Week 2: Advanced visualization and compiled languages
Week 3: High-performance computing (including serial optimization), high-throughput computing, MPI, and OpenMP
Weeks 4-12: Students receive 8-week paid internships to NASA research centers nationwide

- Travel expenses included
- Paid NASA internships
- Partially-subsidized meals and housing