EAPS MEETINGS & EVENTS

FALL FACULTY MEETING SCHEDULE
Tuesday, Oct. 27th and Dec. 1st
HAMP 3201
3:00-4:30 PM

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

COLLOQUIA

Nathan Sheldon,
University of Michigan
“When Did the Terrestrial Biosphere Become Important to Global Biogeochemistry?”
Thursday, October 1st
3:30 PM
HAMP 1252

PUBLICATIONS


PUBLICATIONS CONT.


EAPS NEWS

Briony Horgan, assistant professor of earth, atmospheric and planetary sciences at Purdue, stands at the Bruneau Dunes in Idaho that are used as an analog site for dune fields on Mars. Horgan is part of the scientific team preparing the next rover to visit Mars in 2020. (Purdue University photo courtesy of Briony Horgan)

Dr. Horgan is part of the team of scientists preparing the next rover to visit Mars in 2020 to pave the way for future human missions. She is helping design and test the mast-mounted camera with zoom capability, or Mastcam-Z. It is one of the primary instruments that will be used by the Mars 2020 rover.

To read the full article, please click here: http://www.eaps.purdue.edu/news/articles/2015/Horgan-study-Red-Planet.html

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U.S.-CHINA ECOPARTNERSHIP - CRITICAL ZONE MEETING, PURDUE UNIVERSITY
Oct 22nd-24th

Register you and your students for talks and posters as part of the upcoming U.S.-China Eco partnership - Critical Zone Science conference and workshop. Please see the conference web site and attached flyer. So far we have nearly 50 speakers coming from China and with US attendance by program officers from NSF, the Director of NIFA- USDA (Sonny Ramaswamy), economic development corporations from China, agribusiness reps, and colleagues from across the US including the US Critical Observatory Network
The conference web site can be found at this URL: http://www.conf.purdue.edu/landing_pages/czc/

Please consider joining us and get your abstract in by October 1st.

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UPCOMING OUTREACH ACTIVITIES

October 8 - GIS day for high school at DLRC on campus.
October 10 - Oceans and Water activities for middle and high school teachers held in EAPS.
November 1 - Purdue Convocations Event: Lighting pre show.
November 7 - Purdue Homecoming Celebration held on Stadium Mall between Pharmacy and Armstrong buildings.

These are some of the activities that are already on the books. They will be adding many more throughout the semester. If you would be interested in helping with any of the activities, please contact Steven Smith (mrsmith@purdue.edu)

Did you know that EAPS K-12 Outreach is part of the College of Science’s Science Express program for Indiana teachers to borrow equipment to us for classroom instruction? Last year 251 of the 425 Indiana students who enrolled in the College of Science came from the schools in the Science Express program. Want your content in front of college bound students, you might speak with Steven about that next broader impact…

UNDERGRADUATE NEWS

WORKFORCE RECRUITMENT PROGRAM

Are you a student or recent graduate with a disability looking for a job or internship in 2016? Apply now to the Workforce Recruitment Program (WRP). The program is for college students with disabilities helps in finding a job or internship!

WRP provides students with disabilities in all fields of study the opportunity to market their abilities to a wide variety of potential employers; sharpen their interviewing skills during a personal meeting with a WRP recruiter; and gain valuable skills, experience, and contacts on the job. Purdue students who have participated in WRP in the past have received multiple offers for full time jobs and internships.


• Register with the Disability Resource Center, Young Hall 8th floor for accommodations and support and to receive information about job/internship opportunities.
• Have your resume reviewed at the CCO, Young Hall 132 and upload it to your application.
• Attend a WRP Callout Informational Meeting: Tuesday September 22 and Wednesday September 23, 5:30 PM Young 268

Applicants for the program must:

• have a disability, be a U.S. citizen, AND
• be enrolled at Purdue University on a substantially full-time basis (unless the severity of the disability precludes the student from taking a substantially full-time load) to seek a degree OR
• be enrolled at Purdue University as a degree-seeking student taking less than a substantially full-time load in the enrollment period immediately prior to graduation OR
• have graduated from Purdue University within the past year.

Short interviews will take place between mid-October and November 2015 by phone. Companies can access your application for various positions for one year. WRP opens you up to multiple job and internship opportunities with just one application. If you are an eligible student, contact Ali Mears alimears@purdue.edu for questions or assistance creating your account.

GRADUATE NEWS

SUIT UP FOR THE GRADUATE FALL CAREER FAIR 2015

PMU South Ballroom
Sept. 29, 2015
10:00 AM-4:00 PM

Information Session by Companies
PGSG Graduate Student Center
Sept 28, 2015
5:00 PM-9:00 PM

Please see attached flier for more information.

Registration is open for the Big Ten+ Graduate School Expo to be held on October 4th and 5th, 2015.

This two day mini-conference is especially designed for students interested in graduate education in:

• Science
• Technology
• Engineering
• Mathematics
• Other science-related disciplines.

Students will:

• Get an inside look at graduate school and the application process
• Receive advice about funding opportunities
Network with representatives from more than 75 of the nation’s top graduate institutions, including Baylor, Cal Poly, Cornell, Duke, Illinois, Indiana, Michigan, Notre Dame, Princeton, Purdue, and Vanderbilt. Visit the Attending Institutions website for a complete list.

Attend a premier graduate school fair

Also, they have invited several business schools, law schools and medical schools whose programs are on the fringes of the STEM disciplines! They have registered recruiters from:

- Indiana – Mauer School of Law
- Massachusetts Institute of Technology – Leaders for Global Operations
- Northwestern University – School of Law
- Purdue University – Krannert School of Management
- University of Arizona – Eller College of Management
- University of Illinois – College of Business
- University of Maryland – Robert H. Smith School of Business
- University of Michigan – Ross School of Business

Purdue students have two options for registering. Participate in all Grad School Expo activities, and pay the regular registration fee of $35. Or, attend only the Graduate School Fair for free. A Purdue ID is required for this option. For more information, visit the special Purdue student registration site. All students, including women and members of underrepresented groups, are encouraged to attend.

Visit www.purdue.edu/gradexpo for more information and to register.

OTHER NEWS

COLLEGE OF SCIENCE STAFF PROFESSIONAL DEVELOPMENT INFORMATION

In order to support staff professional development activities, the College has created a Professional Development Fund to financially assist with participation in trainings that involve fees or the purchase of training materials.

The spring application deadline is the first Monday in October; decisions made by November 30th.

Please see attached for more detailed information and the application.

NEW FACULTY MENTORING WORKSHOP FALL 2015

Tuesday, October 6, 2015
9:00 a.m. - 11:00 a.m.
Stewart Center, Room 204
Or
Wednesday, October 7, 2015
2:00 p.m. - 4:00 p.m.
Stewart Center, Room 204

To register, please contact Casey Hollingsworth
E-mail: chollingsworth@purdue.edu
Phone: 494-2604

PRESIDENT’S COLLOQUIA

President Mitchell E. Daniels, Jr., is pleased to invite you and a guest to join him at Westwood for the President's Colloquia. The colloquia are scheduled 4-6 p.m. during the 2015-16 academic year.

Wednesday, Oct. 14, 2015
"Secure Online Interactions: Past, Present and Future"
Mikhail Atallah, Distinguished Professor of Computer Science
Dr. Atallah examines how future online interactions and collaborations will differ from those of the past and present and the implications for organizations and individuals.
Click here to register or find out more information.

Monday, Nov. 2, 2015
"Forgetting and Remembering the American Civil War"
Caroline Janney, Assistant Head and Professor, Department of History
Dr. Janney explores the ways Americans — Unionists and Confederates, men and women, black and white — viewed the struggle in 1865 and how this understanding changed in the war's aftermath.
Click here to register or find out more information.

Registration Information
To register or find out more information, please visit the President's Colloquia Web page.
If you have questions, please contact Robin D. French at 765-494-9708 or rdfrench@purdue.edu.
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 www.purdue.edu/eas/ and Click on News to access active links as needed. Material for inclusion in the newsletter should be submitted to Fallon (fmcquern@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.purdue.edu/eas/info_tech/index.php.

Also, as an additional resource for information about departmental events, seminars, etc., see our departmental calendar at http://calendar.science.purdue.edu/eas/seminars.
Sept. 22  Subashini Subramanian, PhD Candidate
“Land Surface Effects on the Post Landfall Characteristics of Tropical Cyclones”
**Tuesday, 4:30PM, Room 2201/HAMP**

Sept. 24  Dr. Joseph Morris, Lawrence Livermore National Laboratory
“Hydraulic Fracture Simulation: Rising to the Challenge of Unconventional Reservoirs”
**EAPS Energy Colloquium**

Oct. 1  Prof. Nathan Sheldon, University of Michigan
Title: TBA
Host: Horgan

Oct. 8  Prof. Blair Schoene, Princeton University
“Constraining Crustal Evolution on Very Short and Very Long Timescales”
Host: Caffee

Oct. 15  Prof. Qianlai Zhuang, Purdue University
Title: TBA

Oct. 20  Haylee Dickinson, PhD Candidate
“Inferred Rheology and Petrology of the Southern California and Northwest Mexico Mantle from Postseismic Deformation Following the 2010 El Mayor-Cucapah Earthquake”
**Tuesday, 4:00PM, Room 2201/HAMP**

Oct. 22  Prof. Victor Gensini, College of DuPage
“Tornadoes: Past, Present and Future”
Host: Agee

Oct. 27  Anthony Ingrafea, Cornell University
Title: TBA
**EAPS Energy Colloquium**
**Tuesday, 7:00PM, Room 112/PHYS**

Oct. 29  Prof. Jerry DeGraff, AEG-Jahns Lecturer,
“Effective Monitoring for Environmental and Engineering Geology Projects, Case Histories in Mining, Groundwater Contamination and Hot Springs Migration”
Host: West

Nov. 5  Prof. Kim Novick, Indiana University
“Mechanisms Limiting Forest Carbon Uptake and Water Use During Drought”
Host: Welp

Nov. 10  Kimberly Hoogewind, PhD Candidate
Title: TBA
**Tuesday, 4:00PM, Room 2201/HAMP**
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<tr>
<th>Date</th>
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<td>Nov. 12</td>
<td>Dr. Dave Finnegan, US Army Corps of Engineers</td>
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<td>“Automated LiDAR Scanning of a Tidewater Glacier: Helheim Glacier, Southeast Greenland”</td>
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<td>Nov. 19</td>
<td>Prof. Susan Brantley, Pennsylvania State University</td>
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<td>Dec. 3</td>
<td>Prof. Paul Staten, Indiana University</td>
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<td>“Metrics, Mechanisms, and Magnitudes of Tropical Widening in a Warming Climate”</td>
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While the advent of land plants is commonly recognized as a key shift in global biogeochemistry, was that the first important innovation? Emerging evidence from a variety of sources indicates the presence of a terrestrial biosphere as early as the Paleoarchean, with life filling most modern niches by the Proterozoic. In addition, recent advances in ancestral state analysis of cyanobacteria indicate that many extant lineages originated in freshwater settings rather than in the oceans, raising the possibility that terrestrial ecosystems played a role in critical transitions such as the "Great Oxidation Event." This talk will explore: 1) a modern freshwater Proterozoic analogue system to consider potential biosignatures for similar systems in the geologic record and 2) evidence for the development of enhanced weathering and P biogeochemical cycling by terrestrial ecosystems in the Proterozoic. These twin studies indicate both that significantly more work is needed to characterize non-marine analogue ecosystems and that the terrestrial biosphere was involved in global biogeochemistry well before the advent of land plants.
SUIT UP
For
The Graduate Fall Career Fair 2015
PMU South Ballroom
Sept. 29, 2015
10 AM - 4 PM

Information Session by Companies
PGSG Graduate Student Center
Sept. 28 , 2015
5 PM- 9 PM

Aerospace Corporation, BASF,
Caterpillar, Chemtool, Epic,
Experian, FitzMark, Ford,
Humuna, KLA-Tencor, UTRC,
VMware, WWY Co. and many more...!

Visit http://web.ics.purdue.edu/~pgsg/jobfair/students/
In 2012, the University created a performance evaluation policy for staff which included a focus on capturing the professional development activities of staff throughout the year. The College of Science firmly believes that participation in professional development provides long lasting benefits to both the individual staff member and their department. As such, the College desires to support these activities.

**College of Science Professional Development Philosophy:**

- Professional development participation should be available to all full- or part-time, permanent staff—clerical, service, administrative/professional and managerial/professional.
- Professional development should focus on developing skills that will prepare staff to advance at Purdue or to perform their current duties more effectively.
- All supervisors are strongly encouraged to allow appropriate amounts of time for each staff person throughout the year to attend trainings that will help them accomplish their professional development goals. Approval for participation in such activities should be based on the business needs of each area.

**College of Science Professional Development Fund:**

In order to support staff professional development activities, the College has created a Professional Development Fund to financially assist with participation in trainings that involve fees or the purchase of training materials.

**Professional Development Fund Guidelines:**

- Professional Development funds are to be used to support College of Science staff’s participation in activities that will assist them in developing skills that will prepare staff to advance at Purdue or to perform their current duties more effectively.
- Award applications will be requested three times annually with approximately 10 awards per call. Funds requested may be used to defray costs associated with attending professional meetings or seminars, to participate in workshops, or to enroll in professional-oriented courses related to employment responsibilities. The funds must be utilized within two application cycles (Spring awards utilized by the end of Fall, etc.).
- Applications for amounts of up to $1000 will be accepted.
- Individuals are eligible for one award per calendar year.

**Application Deadlines:**

- Spring Application Call – application due by first Monday in October; decisions made by November 30
- Summer Application Call – application due by first Monday in March; decisions made by April 30
- Fall Application Call – application due by first Monday in June; decisions made by July 31
1. Describe the professional development activity for which funds are requested. Please be specific in how you plan to use the funds requested.

2. What is the amount of funding being requested for this activity?

3. Indicate how participation in this proposed activity will contribute to your professional development. Please attach additional pages if necessary.

__________________________________   ______________________________
Applicant’s Signature      Supervisor’s Signature

__________________________________
Department Head’s Signature