EAPS MEETINGS & EVENTS

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

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

EAPS COLLOQUIA

Roby Douilly, PhD Candidate
“3D dynamic Rupture Simulations following the 2010 Haiti Earthquake and Scenarios of Potential Earthquakes on the Enriquillo Fault”

Tuesday, February 23, 2016
4:00 PM
HAMP 2201

EAPS NEWS

ATTENTION FACULTY AND STUDENTS: LAST DAY TO DROP A SPRING 2016 CLASS

The last day to drop a 16-week class for spring is Friday, March 11, 2016.

This deadline occurs earlier than in previous years and is on the last day of classes before Purdue’s Spring Break (March 12-20). Most students will need the instructor’s signature if they wish to withdraw from a class.

~ ~ ~ ~ ~ ~
PURDUE RECEIVES STORMREADY RECERTIFICATION

Purdue received its StormReady recertification from the National Weather Service. The story in the “Purdue Today” highlight contributions from Professor Michael Baldwin and his class. We are thankful for their efforts to keep our campus safe. http://goo.gl/ffEqJLC
UNDERGRADUATE AND GRADUATE STUDENT INFORMATION

2016 CSU SACRAMENTO-GEOLOGY FIELD CAMP
Spring 2016 field course open to senior geology majors. Note that the entire class is conducted from June 1 to July 10, 2016.

Applications form is available at www.csus.edu/geology. Email application PDF and materials to geology@csus.edu (cc: hausback@csus.edu) or mail to:
Geology 188 Application
c/o Geology Department
California State University, Sacramento
6000 J Street
Sacramento, CA 95819-6043

See the attached flyer for more information, schedule, fees, and deadlines. Please contact Brian Hausck at hhausck@csus.edu if you have questions.

SHORT TERM STUDY ABROAD PROGRAMS
The GREEN Program offers accredited 8-10 day programs which take students to epicenters of clean tech, sustainability, and innovative industries. Programs available winter, summer, or spring break. See attached flyer.

• Engage in hands-on, experiential education with industry experts and professionals
• Gain behind-the-scenes access to innovative clean energy facilities and sustainability projects
• Supercharge resumes with a global perspective and unique cultural experience
• Network and develop relationships with powerhouse student leaders and professionals
• Bridge the gap between traditional textbook learning and real-time industry insight
• Participate on world-class bucket list adventure excursions
• Earn an academic transcript for transfer credit short term abroad programs for
• future clean energy & sustainability leaders

Apply: www.thegreenprogram.com

WRITING LAB SERVICES AVAILABLE
The Writing Lab offers free services to students, faculty, and staff. Online scheduling available for one-to-one consultations at http://cla.purdue.edu/wlschedule. Clients can select convenient times and choose one of our highly trained consultants by specialty.

REMINDER TO FILE FAFSA
All current students must file the Free Application for Federal Student Aid (FAFSA) by March 1 to receive priority consideration for federal, state and university-based financial aid. The Division of Financial Aid is available for questions at 765-494-5050 Monday through Friday from 8 a.m. to 5 p.m. Eastern time, or by emailing facontact@purdue.edu

For information or to complete forms visit: www.purdue.edu/dfa.

2016 RESEARCH EXPERIENCE ON SUSTAINABLE LAND AND WATER RESOURCES
The aim of the program is to introduce undergraduate students to the key elements of research on land and water resources that are essential to improving management practices, with a focus on Community-Based Participatory Research (CBPR) and diverse interdisciplinary research teams. Project take place on the main campus of the University of Minnesota, Minneapolis; on the Fond du Lac Reservation in Northern Minnesota; and at Salish Kootenai College on the Flathead Reservation in Montana. Program dates are from June 13-August 19, 2016. Now accepting applications. Deadline is March 2, 2016. Find more information and to apply visit: http://reuslawr.wordpress.com

2016 CROSSROADS GEOLOGY CONFERENCE
The student run conference is open to all earth science students and provides an excellent opportunity for students to prepare for larger conferences such as GSA or AGU. Moreover, you will have the opportunity to get feedback on your research and network with judges from a variety of industries. Conference is April 1-2, 2016 in Bloomington, IN.

Additional information available at http://www.indiana.edu/~sgeweb1/
For additional inquiries contact crossroadsgeologyconference@gmail.com or Scott David at davids@indiana.edu
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.

OTHER UNIVERSITY NEWS

APPLY FOR COS PROFESSIONAL DEVELOPMENT

It is time to request nominations for the Summer 2016 Staff Professional Development Fund. These applications should be for professional development opportunities that will take place during May through August.

To apply, please complete the attached application and return to Angie Teel at teel@purdue.edu by Friday, March 11. A committee of fellow CoS staff members will then meet to evaluate the applications and make the final funding decisions by April 30.

APPLY FOR CIC LEADERSHIP PROGRAM

Purdue faculty members are invited to apply for the Committee on Institutional Cooperation's Academic Leadership Program.

The committee is an academic consortium of Big Ten universities and the University of Chicago. The leadership program is designed to develop the leadership and managerial skills of faculty who have demonstrated exceptional ability and administrative promise.

Nominees for the upcoming program must electronically submit a complete curriculum vitae, an applicant letter of interest and a letter of support from one's department head endorsed by the dean.

Applicants can apply by submitting nomination materials to Annie Jarrard in the Office of the Provost at ajarrard@purdue.edu. The deadline to apply is March 14.

2016 AWARDS FOR EXCELLENCE IN DISTANCE LEARNING

Digital Education is seeking nominations and applications for the 2016 Awards for Excellence in Distance Learning funded by the Office of the Provost

The awards recognize faculty and instructional staff who demonstrate excellence in their distance or online projects. Awards are open to faculty, instructors or staff members as individuals or as a team across all Purdue campuses. In the event a team wins an award, the $1,000 will be divided equally among members. At least one of the nominees for each award must be a current faculty member, instructor or staff member at Purdue. The related distance/online learning activity must have been offered within the past two years.

The application is available at www.distance.purdue.edu and the deadline is Feb. 29.

For questions, please contact Maricel Lawrence at lawren36@purdue.edu

FEBRUARY RESEARCH COMPUTING WORKSHOPS

ITaP Research Computing is hosting two introductory workshops in February covering basic UNIX skills employed in using machines like the new Rice cluster and Purdue’s other Community Cluster Program research supercomputers. The hands-on sessions will cover topics ranging from logging in, files and directories (including compressing, transferring and backing up files) to permissions, pipelines and basic scripting, as well as essential UNIX programs like grep, AWK, sed and Bash. No previous UNIX experience is required.


APPLY FOR APSAC GRANTS

APSAC is now accepting applications for its individual professional development grants.

Examples of funded grant applications include but are not limited to professional education or certification; attendance at lectures, conferences and seminars; or tuition assistance for academic classes. The maximum award amount is $750. Applications for spring grants will be considered for activities occurring from Jan. 1, 2016, to Dec. 31, 2016.

The application process will be completed online, and the deadline is 11:59 p.m. March 1 for this grant period. More information and a link to the online application are available at www.purdue.edu/apsac

Questions may be directed to the Professional Development Subcommittee at APSAC-PD@puddue.edu

PARTICIPANTS SOUGHT FOR NEW CAREER DEVELOPMENT RESOURCE

Human Resources, in partnership with APSAC and CSSAC, has designed a new career development tool for Purdue supervisors and staff. The DevelopMe tool is designed to help supervisors and staff create personalized career strategies. Launch date is May. Supervisors and staff members who wish to learn more or register may visit: http://www.purdue.edu/hr/lod/pdf/pucareerdevportal.pdf
Questions concerning DevelopMe can be addressed to Adedayo Adeniyi, director of leadership and organizational development, at lod@purdue.edu

JOBS

The Department of Natural Sciences at Shawnee State University invites applications for a one-year full-time Visiting Faculty position in Geology, to begin 2016. Applications due are due by March 7, 2016. If interested, apply at https://jobs.shawnee.edu/postings/2272 See flyer for additional details.

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 5:00 pm 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.
The 2010 M7.0 Haiti earthquake was the first major earthquake in southern Haiti in 250 years. As this event could represent the beginning of a new period of active seismicity in the region, and in consideration of how vulnerable the population is to earthquake damage, it is important to understand the nature of this event and how it has influenced seismic hazards in the region. Most significantly, the 2010 earthquake occurred on the secondary Léogâne thrust fault (two fault segments), not the Enriquillo Fault, the major strike-slip fault in the region, despite it being only a few kilometers away. We first use a finite element model to simulate rupture along the Léogâne fault. We varied friction and background stress to investigate the conditions that best explain observed surface deformations and why the rupture did not jump to the nearby Enriquillo fault. Our model successfully replicated rupture propagation along the two segments of the Léogâne fault, and indicated that a significant stress increase occurred on the top and to the west of the Enriquillo fault. We also investigated potential ground shaking scenarios in this region if a rupture similar to the Mw 7.0 2010 Haiti earthquake were to occur on the Enriquillo fault. The high-frequency ground motion components were calculated using the Specific Barrier Model, and the hybrid synthetics were obtained by combining the low-frequencies from the dynamic rupture simulation with the high-frequencies from the stochastic simulation using matched filtering at a crossover frequency of 1 Hz. The average horizontal peak ground acceleration, computed at several sites of interest through Port-au-Prince (the capital), is in the order of 0.35g. We also compute response spectra at several sites and compare them to the spectra from the microzonation study.

Tuesday, February 23, 2015
4:00 p.m.
Room 2201 HAMP

Refreshments at 3:30 pm
Room 2201/ HAMP
The National Center for Atmospheric Research (NCAR) is one of the world’s premier scientific institutions, with an internationally recognized staff and research program dedicated to advancing knowledge, providing community-based resources, and building human capacity in the atmospheric and related sciences. In pursuing this mission, NCAR works synergistically with and in support of the broader academic community with its 109 member universities that constitute the management entity (UCAR). The University Corporation for Atmospheric Research operates through a 5-year cooperative agreement with the National Science Foundation. Building academic relations includes university researchers coming to NCAR as both short- and long-term visitors, serving on NCAR advisory committees and working groups, and working as principal investigators on field campaigns. In this talk, I will present some recent research highlights from these collaborative efforts, all of which are guided by our new strategic plan. For instance, the development, support and application of community modeling systems remains a priority for NCAR, including the Community Earth System Model (CESM), the Weather Research and Forecasting (WRF) model and the Model for Prediction Across Scales (MPAS). NCAR also continues its commitment to world-class airborne, ground-based and space-based observational facilities and services, including the pursuit of new instrumentation, such as the Airborne Phased Array Radar (APAR) and the Coronal Solar Magnetism Observatory (COSMO). Later this year, NCAR will install a new powerful supercomputer, named Cheyenne, at the NCAR-Wyoming Supercomputing Center, continuing our commitment to provide supercomputing systems and services specifically tailored for the atmospheric, geospace and related sciences community. Cheyenne will be capable of more than 2.5 times the amount of scientific computing performed by Yellowstone, the current NCAR supercomputer.

Thursday, February 25, 2016
3:30 p.m.
Room 1252 HAMP

Refreshments at 3:00 pm
Room 2201/ HAMP
Announcing the 2016 CSU Sacramento - Geology Field Camp (Geology 188)

Our course is a Spring 2016 offering, but note that the entire class is conducted from June 1 to July 10, 2016. Therefore, it would be very easy for students from other universities to take this course. Students at CSU campuses can apply for the course on their own campus through Intrasystem Concurrent Enrollment. In this system the student pays Spring semester tuition at their home campus and pays no tuition to the Sacramento campus. The only additional fee is the standard student field camp fee of $2850 paid by all CSU students (both from the Sacramento and any other CSU campus).

We are also hoping to allow students from non CSU campuses to apply. For those students please fill out the application form for “2016 Geology 188 Advanced Geologic Mapping” and send it in. We will give you further instruction on enrollment as that information becomes available.

Directions for Non-CSUS students interested in the Sacramento Geology Field Camp 2016:
Please apply by sending the application form and the Intrasystem Concurrent Enrollment form (both fully filled-out) to the Geology Dept. Office; to this address:

Geology 188 Application
c/o Geology Department
California State University, Sacramento
6000 J Street
Sacramento, CA  95819-6043

Alternatively, you may scan your application material to pdf and then email to geology@csus.edu.
(Also please cc: hausback@csus.edu)

No fees or deposits are needed at this time. If your course application is successful we will contact you and let you know how to pay the student course fee of $2850.

Keep in mind that the camp will begin on June 1, 2016 and we are in Sacramento for the first week of the course. You will be required to attend these lab sessions so you will need to find local accommodations for that period of time. Any accommodations for those initial days of the course are at your own expense. You might consider staying with family or friends that you might have in the Sacramento area.

We anticipate enrolling 12 or more non-CSUS students in the 2016 course but will not have exact numbers or results of your application until late January, at the earliest.

Enrollment will remain open until the course is full.
### Short Term Abroad Programs for Future Clean Energy & Sustainability Leaders

The GREEN Program offers accredited 8-10 day programs which take students to epicenters of clean tech, sustainability, and innovative industries. We invite you to join us during your next winter, summer, or spring break as we continue on our adventure towards a more sustainable future.

- Engage in hands-on, experiential education with industry experts and professionals
- Gain behind-the-scenes access to innovative clean energy facilities and sustainability projects
- Supercharge resumes with a global perspective and unique cultural experience
- Network and develop relationships with powerhouse student leaders and professionals
- Bridge the gap between traditional textbook learning and real-time industry insight
- Participate on world-class bucket list adventure excursions
- Earn an academic transcript for transfer credit

**Apply:** thegreenprogram.com

**@GREENPROGRAM**

#ONLYONTHEGREENPROGRAM
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
Name: ________________________________________________
Position: ________________________________________________
Department: ________________________________________________
Phone: ____________________ E-mail: _____________________________

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