EAPS MEETINGS & EVENTS

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

EAPS SPRING FACULTY MEETING SCHEDULE
Feb 16th (special meeting), 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

Steve Jacobsen, Northwestern University
“Earth’s Deep Water Cycle: Atomic to Geophysical Scales”

Thursday, February 18, 2016
3:30 PM
HAMP 1252

THESIS DEFENSE

Kimberly Hoogewind
“Climate Change and Hazardous Convective Weather in the United States: Insights from High-resolution Dynamical Downscaling”

Monday, February 15, 2016
3:00 PM
HAMP 3214

EAPS PUBS


EAPS NEWS

Professor Briony Horgan’s proposal for the Mars Science Laboratory was selected. Horgan and her students will join NASA’s current Curiosity science team while continuing to prepare for Mars 2020 rover.

UNDERGRADUATE AND GRADUATE STUDENT INFORMATION

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.

They will pilot online tutoring options this spring, with plans to make online tutoring available campus wide next fall. If you’d like to participate in the, find out about upcoming classes, or locations please see the attached flyer or visit: http://owl.english/purdue.edu/writinglab
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

PROPOSALS SOUGHT FOR GRADUATE STUDENT EDUCATIONAL RESEARCH SYMPOSIUM

The Graduate Student Education Council and the College of Education are inviting submissions for the 10th Annual Graduate Student Educational Research Symposium on March 24 from 11:30 a.m. to 5 p.m. in Purdue Memorial Union’s North Ballroom.

This year’s theme is “Digital Education: Are You Really Ready?” Graduate students from all departments at Purdue with research related to education are invited to submit a proposal. Presentations will be posters and seven-minute TEDx-style talks. Posters can be related to education in some way, but the talks must be loosely aligned with technology and education. Proposals should be submitted via a Qualtrics survey at https://goo.gl/mjq33r by Feb. 19.

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.

OTHER UNIVERSITY NEWS

INVESTIGATOR ACTION REQUIRED TO RENEW OR CLOSE EXPIRED IRB PROTOCOLS

The Purdue University Human Subject Protection Program is undergoing an internal assessment to ensure compliance with the institution’s Federalwide Assurance.

Researchers who have studies where IRB approval has expired -- instead of having been closed via the Continuing Review process -- soon will be receiving an email from the IRB.

Please take steps immediately to close expired studies or apply for continuing IRB approval. At https://www.irb/purdue.edu/forms.php go to the “Miscellaneous Forms” heading and select “Continuing Review of Closure for Expired Studies.” Complete the form and email it to irb@purdue.edu

Because human subject research should not be undertaken without IRB approval, no study activity should be conducted when IRB status is expired. If you are still interacting with subjects or analyzing identifiable data (including coded data with a link to identifiers) and IRB approval has expired, stop until you have worked with the IRB to renew IRB approval.
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](http://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](http://www.purdue.edu/apsac).

Questions may be directed to the Professional Development Subcommittee at APSAC-PD@purdue.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](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](https://jobs.shawnee.edu/postings/2272). See flyer for additional details.

OTHER NEWS

Glossary of Geology App Available for Android Phones

The American Geosciences Institute announces the release of its Glossary of Geology app for the Android platform. To celebrate the release of the Android version, the app has been discounted $10.00 until March 31 to $19.99.

This indispensable reference tool contains definitions of nearly 40,000 terms used in the earth and environmental science literature. The AGI Glossary of Geology has long been considered the definitive reference by geoscientists and other students and professionals needing fully-supported and detailed definitions of earth science terms. Traditionally published as an 800+ page hardbound book, the app version provides all of the rich and detailed content with portability and the power of full-text searching of the entire glossary. In addition to definitions, many entries include background information on origin and usage. The Glossary draws its authority from the expertise of the more than 100 geoscientists in many specialties who reviewed definitions and added new terms. This is a must-have for all geoscientists, engineers working with earth-related issues, and students and other professionals that have questions about our planet.

Visit Google Play store for more information or to download.
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.
Earth’s Deep Water Cycle: Atomic to Geophysical Scales

Steve Jacobsen
Northwestern University

Water, incorporated as hydroxyl (OH) into minerals and melts at very high pressures and temperatures of the Earth’s deep mantle, may constitute the planet’s largest geochemical reservoir of H2O, especially in the mantle transition zone (MTZ) at 410-660 km depth. At atomic scales, hydration modifies the structure and physical properties of minerals through associated defects. At geophysical scales, water cycling through the solid mantle may play a critical role in melt generation, plate tectonics, and buffered the volume of surface oceans over geologic time. I will focus on recent laboratory experiments, seismic observations, and inclusions in diamond revealing clues about the distribution and origin of water in our habitable planet.

Mariner 10,
Mark Robinson

Thursday, February 18, 2016
3:30 p.m.
Room 1252 HAMP
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; 3:30 PM, Room 1144/HAMP

Feb. 4 Darryl Granger, Purdue University
“Cosmogenic Nuclides: From Landscape Evolution to Human Evolution”

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 Advisor: 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 Jonathan Buzan, PhD Candidate Advisor: Agee/Huber
“Quantifying Heat Stress and Their Relationship to Atmospheric Thermodynamics Due to Global Climate Change”

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 Advisor: 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  
“What Does the Seasonal Cycle Tell Us About the Atmospheric Circulation Response to Global Warming”  
Host: Wu

Apr. 12 Steeve Symithe, PhD Candidate  
“Active Deformation in the Caribbean and Southern Haiti”  
**Tuesday, 4:00 PM, Room 2201/HAMP**

Apr. 14 Catherine Macris, IUPUI  
“Seconds after Impact: Insights from Tektites and Experiments”  
Host: Milbury

April 21 No Seminar, Visit Dean Roberts

April 26 Qianwen Luo, PhD Candidate  
“The Cloud-Radiative Forcing of the US Landfalling Atmospheric Rivers”  
**Tuesday, 4:00 PM, Room 2201/HAMP**

April 28 Marcia Bjornerud, Lawrence University  
“Decoding the Record of Ancient Earthquakes: Pseudotachylytes from Norway, New Zealand and northern Wisconsin”  
Host: Milbury
Hello, and welcome to a new semester! We’d like to take this time to update you on Writing Lab news.

We now offer online scheduling for clients, who can easily make appointments 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. We expect to pilot online tutoring options this spring, with plans to make online tutoring available campus wide next fall. If you’d like to participate in the pilot, please let us know.

In addition, we’ve been working with Purdue’s Institutional Research office to learn more about Writing Lab users. We have data since 2006, and we hope to share insights soon.

We are always looking for ways to collaborate with faculty to support writers across disciplines. If you’d like to discuss how we can work with you and your students, please contact us.

Best wishes for a great semester.

Harry C. Denny, Ph.D. • hdenny@purdue.edu
Associate Professor of English and Writing Lab Director

Tammy Conard-Salvo • tcsalvo@purdue.edu
Associate Director

**Featured FAQ**

**How do students schedule their appointments?**

We now have a convenient online option for scheduling appointments. Writers can sign in using their Purdue Career Accont and choose a day and time that meets their needs. Students can view which tutors specialize in business/technical/professional writing or in English 106/106i/108 assignments, or any other type of writing. After making an appointment, students can also change or cancel their reservation at any time. Consultations in satellite locations still offered on a drop-in basis only.

We now offer online signup for our group workshops as well. ESL conversation groups, however, will remain drop-in only.

**More online at**

[owl.english.purdue.edu/writinglab/facultyfaq](http://owl.english.purdue.edu/writinglab/facultyfaq)

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**Main Location**

Heavilon Hall Room 226
Monday – Thursday 9:00 AM – 6:00 PM
Fridays 9:00 AM – 1:00 PM
Appointments:
[https://cla.purdue.edu/wlschedule](http://cla.purdue.edu/wlschedule)

**Satellite Locations**

Drop-in only—first come, first served

**HSSE Library Collaborative Study Center**
Mondays 6:00 – 9:00 PM

**Latino Cultural Center**
Tuesdays 6:00 – 9:00 PM

**Mechanical Engineering (ME) 2nd Floor Tutoring Rooms 2 & 3**
Wednesdays 6:00 – 9:00 PM

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Writing Lab services are FREE and available to all Purdue students, faculty, and staff.

Heavilon Hall Room 226 • (765) 494-3723 • http://owl.english.purdue.edu/writinglab

@PurdueWLab • /PurdueUniversityWritingLab
One-on-One Tutorials
We offer free tutorials on an appointment basis. Writers can bring any document to the Writing Lab, at any stage of the writing process. Sessions commonly help with the following:

- Clarification: understanding an assignment
- Invention: brainstorming, coming up with ideas, discovering a focus
- Organization: ordering ideas, building an argument
- Revision: revising for clarity and coherence

Our graduate tutors can assist students with a variety of writing tasks, including writing in the disciplines. Our business and professional writing consultants are specialists in employment writing, memos, personal statements, and reports. Our undergraduate teaching assistants help students taking first year composition courses (English 106 and 108). All of our tutors undergo rigorous training.

The student FAQs at [http://owl.english.purdue.edu/writinglab/policies](http://owl.english.purdue.edu/writinglab/policies) answer common questions about our tutorial sessions and offer tips on how best to prepare for sessions.

Students can now schedule appointments online. In addition, our satellite locations offer drop-in hours in the evenings at various locations. Please see [http://owl.english.purdue.edu/writinglab](http://owl.english.purdue.edu/writinglab) for hours of operation and location information.

ESL Services
The Purdue Writing Lab offers a range of services to non-native speakers of English, covering writing and reading skills and conversational fluency:

- Tutorials for feedback on writing projects
- Self-study resources (books, CD-ROMs) for language skills practice
- Daily conversation groups (open to all non-native speakers enrolled at Purdue) for improving oral fluency

For more information on in-lab services for ESL learners, see [http://owl.english.purdue.edu/writinglab/esl](http://owl.english.purdue.edu/writinglab/esl).

Writing Lab Workshops
Writing Lab workshops offer interactive presentations facilitated by experienced Writing Lab tutors on writing matters that can be tailored to specific class projects. The Writing Lab offers both in-Lab and classroom workshops by instructor request, which cover topics like basic writing skills, research papers and documentation style, business writing documents, and using the Writing Lab and Purdue OWL.

You can learn more and request a workshop for your class at [http://owl.english.purdue.edu/writinglab/classroomworkshops](http://owl.english.purdue.edu/writinglab/classroomworkshops).

In-Lab workshops are by reservation only using our online scheduling system. The schedule of in-Lab workshops can be found at [https://owl.english.purdue.edu/writinglab/cscworkshops](https://owl.english.purdue.edu/writinglab/cscworkshops).

Purdue’s Online Writing Lab (OWL)
The Purdue OWL ([http://owl.english.purdue.edu](http://owl.english.purdue.edu)) offers a wide variety of materials, presentations, and YouTube videos ([https://www.youtube.com/OWLPurdue](https://www.youtube.com/OWLPurdue)) to the Purdue University community and to users around the globe. The Purdue OWL also posts updates on Writing Lab events and produces the Purdue OWL News ([http://owl.english.purdue.edu/purdueowlnews](http://owl.english.purdue.edu/purdueowlnews)). Instructors and students use the OWL to:

- Access regularly-updated handouts on writing process, basic writing, and document design
- Find resources for English as a Second Language students
- Email brief questions to the OWL Mail tutors: [http://owl.english.purdue.edu/contact/owllmailltutors](http://owl.english.purdue.edu/contact/owllmailltutors)
- Download classroom-ready PowerPoint presentations on a number of writing topics

Heavilon Hall Room 226 • (765) 494-3723 • [http://owl.english.purdue.edu/writinglab](http://owl.english.purdue.edu/writinglab)

@PurdueWLab • [PurdueUniversityWritingLab](https://www.facebook.com/PurdueUniversityWritingLab)
The Students of
Sigma Gamma Epsilon
and
Indiana University
Department of Geological Sciences
Present

Crossroads Geology Conference
2016

April 1 & 2, 2016
Bloomington, IN

Friday: Keynote Speakers, Student Oral and Poster Presentations, and Networking Social
Saturday: Awards Ceremony, Short Course, and Panel Discussion with Industry Leaders

• Prizes for best oral and poster presentations
• Interact with industry leaders
• Participate in company panel discussions
• Short Course (topic: TBA)

Additional information available at http://www.indiana.edu/~sgeweb1/

For additional inquiries contact us at crossroadsgeologyconference@gmail.com
or
Scott David at davids@indiana.edu
Visiting Faculty, Geology

Position Information

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<th>Position Title</th>
<th>Visiting Faculty, Geology</th>
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<td>Job Category</td>
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<td>Employment Status</td>
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<td>Tenure Status of Position</td>
<td>Non-Tenure Track (NTT)</td>
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Job Description

The Department of Natural Sciences at Shawnee State University invites applications for a one-year (potentially renewable) full-time Visiting Faculty position in Geology, to begin August 2016.

The successful candidate will be expected to regularly teach courses in introductory geology, sedimentology & stratigraphy, GIS, and hydrology/hydrogeology; additional courses may include historical geology, field methods, or geomorphology; advise undergraduate students; serve on department, college or university committees; engage in professional development/scholarly activities; represent the University in community service activities/events; and engage with students in out-of-classroom co-curricular activities. We seek a candidate with a broad geology background, and a demonstrated commitment to teaching at the undergraduate level and involving undergraduate students in research.

Shawnee State University is the regional state university for South-Central Ohio. It is a primarily undergraduate, four-year public university with limited graduate degree programs. Enrollment is approximately 3,900 students. Shawnee State is located on the Ohio River in Portsmouth, Ohio – a small city nestled in a beautiful, wooded area of Southern Ohio. Portsmouth is approximately an hour drive from Huntington, WV, and two hours from Columbus or Cincinnati, OH. Additional information about SSU is available at [www.shawnee.edu](http://www.shawnee.edu).

Minimum Qualifications

MINIMUM QUALIFICATIONS (EDUCATION AND EXPERIENCE)

1. Master’s degree in Geology or closely related field
2. Teaching experience at the college level

Preferred Qualifications

PREFERRED QUALIFICATIONS

Ph.D. in Geology or closely related field

Institutional Statement

SSU seeks individuals who share our commitment to students as our first priority.

AA/EOE Statement

Shawnee State University is an Affirmative Action/Equal Opportunity Employer. The University prohibits discrimination against any individual because of race, color, genetic information, religion, age, disability, national origin, ancestry, sex, pregnancy, sexual orientation, veteran status or military status.
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**Supplemental Questions**

Required fields are indicated with an asterisk (*).

1. * How did you hear about this position/employment opportunity?
   - Internal Job Posting/Career Opportunities applicant portal
   - Public Job Posting/State Employment Service
   - Online Job Board
   - Disability, Minority or Veterans Services Agency/Firm
• Job Fair or Career Development Office
• Personal Referral by friend, relative, or employee
• Recruitment Agency/Business Referral
• Newspaper Advertisement or Publication
• Radio or TV Advertisement
• Other

2. *Who is/was the source of referral?
   • SSU Website
   • Chronicle of Higher Education
   • HigherEdJobs.com
   • OhioMeansJobs.com
   • Portsmouth Daily Times or Community Common
   • WNXT Radio or WSAZ TV
   • Monster.com
   • Careerbuilder.com
   • Friend/Relative/Employee
   • Career-specialty Listserv
   • Other

Applicant Documents

Required Documents
1. Curriculum Vitae
2. Cover Letter
3. Teaching Philosophy
4. Unofficial Transcripts

Optional Documents
1. Official Transcripts
2. Other Document
3. Portfolio
4. Other