UPCOMING EAPS MEETINGS

FALL FACULTY MEETING SCHEDULE
Tuesday, Sept. 23rd, Oct. 7th, and Nov. 18th
3:00 p.m. – 4:30 p.m.
HAMP 3201

EAPS OUTSTANDING ALUMNI EVENT
Friday, Oct. 10th
HAMP 2201

EXTERNAL REVIEW
Nov. 3rd & 4th

EAPS COLLOQUIA

“The Impact of Climate Change on Water Cycling in Northern Eurasia.”
Yaling Liu PhD Candidate
Tuesday, Sept. 9, 2014 at 4:00 p.m.
HAMP 2201

“The DOE Accelerated Climate Modeling for Energy Project”
Dr. Robert Jacob, Argonne National Laboratory
Host: Harshvardhan
Thursday, Sept. 11, 2014 at 3:30 p.m.
HAMP 2152

(Please see attached fall 2014 EAPS Colloquia)

PUBLICATIONS


UNDERGRADUATE NEWS

PSSC CALLOUT
Wednesday, September 10, 6:00 p.m.
WTHR 104

It would be great to have an EAPS student on Purdue Science Student Council.

Purdue Annual Study Abroad Fair
Wednesday, September 10, 2014 - 10:00AM - 3:30 PM
North End of Memorial Mall

Learn about the 200+ study abroad programs Purdue has to offer. Visit the Purdue Study Abroad website for more information; EAPS Study Abroad information.

College of Education Study Abroad Night
Wednesday, September 10, 2014 @ 6:00 pm
(Pizza Served) - BRNG 2275

Education Majors: Learn about study abroad opportunities in Honduras, India/Ireland, Germany, London, Tanzania, & Northern Europe.

Preparing for Interviews

Writing a Resume that Works, Wednesday, Sept. 10 5:30 p.m. EE 117. Cannot make this meeting? The CCO can help with workshops or individual meetings: https://www.cco.purdue.edu/students/.

The 30-Second Interview. Thursday, Sept. 11 at 7 p.m.
BRNG 1245.
RSVP: https://purdue.qualtrics.com/SE/?SID=SV_aWb9ySXpXzAL8p
SCRAp THAT SELFIE

Get ready for IRT and other job fairs! Stop by in your business-professional attire for a FREE professional headshot! Improve your social media first impression with a more professional image.

Headshot photos will be uploaded within days for you to download your high resolution photo. You will be given information the day of to download your photo for free. Coordinate your business-professional attire with a black backdrop with gold repeating Purdue Alumni Association logos. Check out the photo gallery of previous head shot photo shoots here.

Tuesday, September 9, 2014
PMU 118 11 a.m.–2 p.m.

Wednesday, September 10, 2014
Dauch Alumni Center 11 a.m.–2 p.m.

Free and open to all of campus! Brought to you by PASE and the Purdue Alumni Association.

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PURDUE COLLEGE OF SCIENCE INTERNATIONAL STUDENTS

We now have our own Facebook page! Please join, like and use it to post information about activities and events that may be of interest to our Purdue College of Science international Student Community.

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INTERNATIONAL STUDENT CAREER WORKSHOPS

Job Search Strategies & Use of Social Media Monday, Sept. 8, SMTH 118 6 -7pm
How to Prepare for an Interview Tuesday Sept. 9 SMTH 118 6 -7pm

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INDUSTRIAL ROUNDTABLE

Each September the College of Engineering offers the Industrial Roundtable. Employers from over 300 companies come to campus to interview for intern and full time positions. There are some companies looking for EAPS majors. The dates and other information and resources follow. Dress is business casual. Need clothes for interviews? The CCO can help with that, too [Purdue CCO Career Closet]

Seminars: Monday, September 15, 8:30am - 5:30pm
Job Fair: Tuesday, September 16 and Wednesday, September 17
Interviews: Wednesday, September 17 - Friday, September 19

For more information got to http://www.purdueesc.org/

JOURNAL OF YOUNG INVESTIGATORS (JYI) IS HIRING FOR FALL

Fall Hiring is Open! JYI is seeking motivated students to join their staff!

With the return of the academic year often comes an increase in submissions for JYI, and we expect this year to be no different. Each summer, as students graduate and leave JYI, they look for new, enthusiastic staff members to fill their roles. This fall they are looking forward to the new submissions that have been written and polished during the summer, but we need more staff members to help! We have also been in contact with a very large scientific writing contest in Europe, and they plan to publish many of those papers as well. This is where you come in:

JYI is seeking motivated undergraduate students to fill several different roles within their organization. They are a volunteer-run, non-profit, open access science journal dedicated to expanding publication access and experience to undergraduate students. Their staff is made up entirely of undergraduate students, with assistance of faculty and professional mentors. All of their staff receive training in the department of their position, which may include corporate management, science writing, journalism, editing, finance management, and programming.

They are currently accepting applications for the following positions:

- Associate Editor- Biology and Medical Sciences
- Associate Editor- Physical Sciences and Mathematics
- Associate Editor- Psychology and Social Sciences
- Copy Editor
- Public Relations Officer
- Corporate Officer
- Science and Career Center Editor
- News and Features Editor
- Journalist
- Programmer
- Chief Financial Officer*

*CFO is a member of JYI's Executive Board

For more information and application, please visit http://www.jyi.org/participate/student/; if you have any questions, please do not hesitate to contact: Rachel Bietz, Director of Public Relations Journal of Young Investigators dpr@jyi.org.
PURDUE INSTITUTE FOR CIVIC COMMUNICATION CLASS IN DC THIS MAY

Please find attached the application for the 2015 Washington Maymester Program at C-SPAN. The application’s due date is *Friday, November 14, 2014.* This opportunity is sponsored by the Purdue Institute for Civic Communication (PICC).

Students from all over the university are eligible to participate in the Maymester class, and lots of merit scholarship money is available. In addition, the class is subsidized to keep the sticker price down. The executive director of the Institute wants all students to have access to this opportunity. To learn more please visit the following website [https://picc.purdue.edu/](https://picc.purdue.edu/).

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LAW SCHOOL FAIR
Meet with over 100 Law School Representatives
*Tuesday, Sept. 16, 2014*
Cordove Rec Center
Free and open to the public
For additional info, please click here: [www.MAPLA.org](http://www.MAPLA.org)

GRADUATE STUDENT OPPORTUNITIES

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SEG/AAPG STUDENT EXPOS AND JOB FAIRS IN THE ENERGY INDUSTRY

In recent years, the AAPG/SEG Job Expos have become popular with students who are interested in employment in the energy sector, since many companies now recruit at these Expos both for full time and summer jobs. There are also poster sessions along with workshops, and students with the best posters can win awards.

The Expo in Houston is by far the largest and this year is being held on *Sept. 8-9.* The next two largest are the Oklahoma Expo in the spring and the Rocky Mountain Rendezvous at the University of Wyoming which this year is being held on *Sept. 26-29.*

There is also an Eastern Section Student Job Expo and this year is being held at Ohio State University from *Sept. 19-21* in Columbus, Ohio. This EXPO might be good for interested Purdue Students to attend since it would be accessible to drive to.

In any case, students can find out more information and register for a particular AAPG/SEG Student Job Expo by clicking on the appropriate link at: [http://goo.gl/Qq0ljx](http://goo.gl/Qq0ljx)

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TRUMAN FELLOWSHIP

Sandia National Laboratories is seeking candidates for the President Harry S. Truman Fellowship in National Security Science & Engineering, a three-year appointment allowing recipients to pursue independent research that supports Sandia’s national security mission.

For more information click here: [http://goo.gl/p5bJ9M](http://goo.gl/p5bJ9M)

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EASTERN SECTION AAPG STUDENT PRESENTATION TRAVEL GRANTS

The Eastern Section of the American Association of Petroleum Geologists (Eastern Section-AAPG) has a program to support the cost of students traveling to the annual Eastern Section meeting to present the results of research at the conference.

This year, the Eastern Section- AAPG Annual meeting will be held in London, Ontario, *September 27-October 1, 2014.* For more information click here: [http://goo.gl/Qid5OP](http://goo.gl/Qid5OP).

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GRADUATE STUDENT RESEARCH PROGRAM

The Department of Energy (DOE) Office of Science is pleased to announce that the Office of Science Graduate Student Research (SCGSR) program is now accepting applications for the 2014 solicitation. Applications are due 5:00pm ET on Wednesday September 24, 2014.

Detailed information about the program, including eligibility requirements and access to the online application system, can be found at: [http://goo.gl/uTigTR](http://goo.gl/uTigTR).

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OIL COMPANY INTERVIEW SCHEDULE

ExxonMobil Interviews
*September 15-16, 2014*

For those interested in careers in Exploration, Development and/or Production, ExxonMobil will be on campus *September 15-16* to interview students receiving a BS, M.S. or Ph.D. in Geology or Geophysics. ExxonMobil is interested in finding outstanding candidates who have a strong fundamental background in the earth sciences, physical sciences, and mathematics.

For those interested in a career in Research, ExxonMobil will be interviewing students receiving a MS or PhD in Geology or Geophysics. For those interested in careers blending Geoscience and Computing, they will interview students receiving a MS degree in Geology or Geophysics who have an interest in computing.

They will be interviewing students for both regular employment and internships. See posted flyer in Room 2279 for additional details.

You are required to fill out an online application and post a copy of your resume and copies of your transcripts online at [www.exxonmobil.com/apply](http://www.exxonmobil.com/apply) one week prior to interviewing. To sign up for an interview time, please see Kathy Kincaide in Room 2169/HAMP.

In addition, Lisa Ryan, Recruiter for ExxonMobil, will also conduct a pre-interview presentation on Monday, *September 15 at 6:00pm* in Room 2201/HAMP.
## 2014 ROCKY MOUNTAIN RENDEZVOUS

The 13th Annual Rocky Mountain Rendezvous of Geoscience Students and Employers (RMR) will be convening in Laramie Wyoming Sept 26-29. This is a great opportunity to network, learn about careers in the petroleum industry and get an internship or a job. The RMR provides lots of face time between recruiters and students in order to provide satisfying experiences for all.

For more information and to register please click here: [http://rmr.uwyo.edu](http://rmr.uwyo.edu)

### BIG TEN + GRADUATE SCHOOL EXPOSITION

www.purdue.edu/gradexpo

The Grad Expo features:
- educational workshops
- an elite graduate school fair
- networking receptions
- and more!

The 2014 Grad Expo will be held on September 21 and 22, 2014! This annual event is held at Purdue's West Lafayette, Indiana campus.

For more information please see attached.

### FIELD TRAINING AND RESEARCH PROGRAM AT METEOR CRATER

Barringer Meteorite Crater, Arizona
October 4 - October 12, 2014

For more information, please visit [http://www.lpi.usra.edu/exploration/mcFieldCamp/](http://www.lpi.usra.edu/exploration/mcFieldCamp/)

The 13th Annual Rocky Mountain Rendezvous of Geoscience Students and Employers (RMR) will be convening in Laramie Wyoming Sept 26-29. This is a great opportunity to network, learn about careers in the petroleum industry and get an internship or a job.

For more info and to register please visit our website at: [http://rmr.uwyo.edu](http://rmr.uwyo.edu)

## CAMPUS NEWS

### "RELIGION, SCIENCE, AND NATURALISM: WHERE THE CONFLICT REALLY LIES"

The Dept. of Philosophy is hosting a Discovery Lecture Series presentation Thursday, Sept. 25, 1:30-3:00 p.m. in Fowler Hall.

The renowned philosopher Alvin Plantinga (Emeritus Professor of Philosophy at both University of Notre Dame and Calvin College) will be speaking on the topic of "Religion, Science, and Naturalism: Where the Conflict Really Lies."

This event is free and open to the public, and a book signing will follow.

Please see attached flyer for more information.

### ENVIRONMENTAL COMMUNITY MIXER

Friday, Sept. 12, 3:30-6:00 p.m.
South Ballroom, Purdue Memorial Union

The Center for the Environment is announcing its first annual Environmental Community Mixer.

This is an opportunity for students, and faculty members to meet new colleagues, get involved, and learn about environmental opportunities at Purdue!

Graduate Students, research groups, and student organizations are invited and encouraged to share a poster or set up displays.

Please see attached flyer for more information.

### FACULTY SEARCH PROCEDURES WORKSHOPS ANNOUNCED

ADVANCE-Purdue is offering two sessions of the "ADVANCE/OIE Search Committee Workshop on Faculty Hiring" this fall.

The workshop, which is open to all faculty and required for serving on a search committee, will be held 8:15 a.m.-noon Sept. 30 in Stewart Center, Room 302, and 8:15 a.m.-noon Oct. 15 in Purdue Memorial Union, West Faculty Lounge. A light breakfast will be served.

The workshop provides an interactive opportunity to explore and discuss search strategies and challenges. It is research-based and includes important information on unintentional bias. The workshop is conducted in a roundtable format that offers opportunity for an in-depth discussion of faculty search best practices with other faculty members across campus, including how to build a robust and diverse candidate pool.

Any questions should be directed to De Bush at dibush@purdue.edu. Information about the workshop and registration is also available at [www.purdue.edu/discoverypark/advance/cfs/faculty-hiring.php](http://www.purdue.edu/discoverypark/advance/cfs/faculty-hiring.php).
ONLINE DEVELOPMENT MATERIALS

Purdue benefits-eligible faculty and staff can now access Lynda.com’s catalog of more than 2,500 online courses. This is a great opportunity for professional development.  
http://goo.gl/afQQmv

OTHER ANNOUNCEMENTS

DEADLINE TO APPLY FOR APSAC GRANTS IS OCT. 1  
SEPTEMBER 2, 2014

APSAC is now accepting applications for its individual professional development grants. Grants generally fund professional education; attendance at lectures, conferences and seminars; or tuition assistance for academic classes. The maximum award amount is $750. Applications for fall grants will be considered for activities occurring from July 1, 2014, to June 30, 2015.

The application process will be completed online, and the deadline is 11:59 p.m. Oct. 1 for this grant period. The application is available here. More information can be found at www.purdue.edu/apsac.

Questions may be directed to Salvador Vallejo at svallejo@purdue.edu or Carrie Hanson at 765-494-7397 or carrie@purdue.edu.

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INSTITUTE FOR BROADENING PARTICIPATION (IBP)

The Institute for Broadening Participation (IBP) is excited to announce that it is now accepting applications to the Minorities Striving and Pursuing Higher Degrees of Success in GEO REU (MS PHD’S–GEO REU) Professional Development Program!

The MS PHD’S–GEO REU will occur December 13-19, 2014 in conjunction with the December 2014 American Geophysical Union (AGU) Fall Meeting.

Applicants can apply online at: http://www.msphds.org/POSapp.aspx

Deadline to apply: September 15, 2014!
For questions or additional information regarding the MS PHD’S–GEO REU, please contact pdp@msphds.org

PURDUE STUDENTS INVITED TO SEPT. 9 CALLOUT FOR MEDI A TECHNOLOGY COMPETITION WITH $10,000 IN PRIZES

Purdue University graduate and undergraduate students across all academic disciplines are invited to a Tuesday (Sept. 9) callout meeting for a media technology competition that offers more than $10,000 in prizes. The fourth Schurz Innovation Challenge at Purdue provides competitors with an opportunity to test their creativity and skills in developing innovative ideas in online and mobile media technology. The callout will begin at 6 p.m. in Krannert Building, Room G002; 403 W. State St. Refreshments will be served. All teams must include at least one Purdue University graduate or undergraduate student. Other eligibility information is available at: http://www.purduefoundry.com/blogs/schurz-innovation-challenge.

For more information, please contact Amanda Findlay, 765-588-5252, aefindlay@prf.org

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TRASK INNOVATION FUND APPLICATION DEADLINE SET FOR SEPTEMBER 19th

Applications for the Trask Innovation Fund are being accepted through Sept. 19 to eligible Purdue University inventors at all campuses who are working to advance Purdue technologies toward commercialization.Applications must describe commercially relevant work that can be performed over a six-month period that advances the development of a technology disclosed to the Purdue Office of Technology Commercialization.

The awards are competitive and must be used by recipients to further the commercial potential of Purdue discoveries. Information about the Trask application is available at http://otc-prf.org/trask-innovation-fund.

Purdue faculty who received funding from the most recent round of Trask Innovation Award funding includes:  
* Steve Weller, College of Agriculture, and his collaborators, Burkhard Schulz, College of Agriculture, and Michael Gribskov, College of Science, $50,000.* Young Kim, College of Engineering, $50,000.* Sophie Lelièvre, College of Veterinary Medicine, $48,563.  The advisory council will meet Nov. 7 to determine this round's award recipients. Awards will be announced in late November.

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POST-BACHELORS POSITION IN SUSTAINABILITY RESEARCH & WATER QUALITY MODELING

The Department of Environmental Sciences Division at Oak Ridge National Laboratory is seeking candidates with quantitative backgrounds and interest in environmental sciences to contribute to on-going projects during 2014-2015. One project will involve conducting watershed modeling to support bioenergy sustainability research using the SWAT model. The overarching goal of the research is to understand how the spatial arrangement and management of bioenergy feedstock’s (e.g., crops, residues) can lead to sustainable outcomes in terms of biomass yields and profitability, water quality, and
biodiversity. The candidate will likely support other research efforts focused on quantitative assessment of the sustainability of advanced drought- and salinity-tolerant bioenergy crops or evaluating climate-change effects on water quality.

For more information, please contact: Yetta Jager at 865-574-8143.

GEOSCIENCE EDUCATION
ASSISTANT PROFESSOR, TENURE TRACK

Applications will be accepted until the position is filled. To ensure full consideration, submit all application materials by November 14, 2014. The Department of Geological Sciences at California State University Fullerton invites applications for a tenure—track Assistant Professorship that will begin August 2015. Please see attachment for more 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 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 Seldomridge (fseldomr@purdue.edu) by 5:00pm 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://eaps.purdue.edu.
The ecosystems in Northern Eurasia (NE) are important due to the vast area they cover, high rate of observed and projected warming, and the potential feedbacks they can cause on the global climate system. Evapotranspiration (ET) algorithms in Terrestrial Ecosystem Model (TEM) have been modified and a variety of datasets are analyzed to understand the impacts of climate change on water cycling in NE. It is shown that use of the Penman–Monteith based algorithms in TEM substantially improved ET estimation in the Mongolia Plateau, and the results indicate that climate change is more important than land cover change in determining regional ET. Incorporating more detailed ET processes including canopy interception loss, ET for wet surface of uplands, wetlands and water bodies, and snow sublimation in TEM lead to substantial enhancement in the accuracy of estimation of ET and runoff in NE (e.g., the root mean square error of runoff decreased from 527.74 km$^3$ yr$^{-1}$ to 126.23 km$^3$ yr$^{-1}$). Impacts of forcing data uncertainty on ET estimation in NE were also examined by driving the modified TEM with five widely-used forcing data sets. Estimates of regional ET vary between 263.5–369.3 mm yr$^{-1}$ during 1979-2008 depending on the choice of forcing data, and the uncertainties in ET forcing propagate as well to estimates of runoff. The quality of forcing data remains a major challenge to accurately quantify the regional water balance in NE.
The Accelerated Climate Modeling for Energy (ACME) project is a newly launched project sponsored by the Earth System Modeling program within DOE’s Office of Biological and Environmental Research. ACME is a collaboration among eight national laboratories and others to develop and apply climate and Earth system models for DOE mission needs. The science priorities cover 3 major areas of the earth system: the hydrologic cycle, biogeochemistry cycles and the cryosphere. ACME will be building a high-resolution, high-performance model to address questions in those areas. ACME also seeks to efficiently utilize DOE Leadership Computing resources now and in the future. The goals and approaches taken in both science and technical areas will be described.

Thursday, September 11, 2014
3:30 p.m.
Room 1252 HAMP

Refreshments at 3:00 pm
Room 2201/ HAMP
Sept.  4 When Engineering Geology Meets Geotechnical Engineering  
Gary Luce, Knight Piesold & Co., AEG President  
Host: West

Sept.  9 The Impact of Climate Change and Agricultural Activities on Water  
Cycling in Northern Eurasia  
Yaling Liu, PhD Candidate  
Advisor: Zhuang  
**Tuesday, 4:00PM, Room 2201/HAMP**

Sept. 11 The DOE Accelerated Climate Modeling for Energy Project  
Dr. Robert Jacob, Argonne National Laboratory  
Host: Harshvardhan

Sept. 18 The Origins of Volatile-rich Solids and Organics in the Outer Solar Nebula  
Prof. Fred Ciesla, University of Chicago  
Host: Minton

Sept. 25 Long-term Morphological Changes in Mature Supercell Thunderstorms  
Following Merger with Nascent Supercells  
Prof. Ryan Hastings, Purdue University

Sept. 30 Making Weather and Climate Data More Usable for Agriculture Across  
the U.S. Corn Belt  
Olivia Kellner, PhD Candidate  
Advisor: Niyogi  
**Tuesday, 4:00PM, Room 2201/HAMP**

Oct.   2 New Perspectives on Tidewater Glacier Mass Change  
Dr. Tim Bartholomaus, University of Texas-Austin  
Host: Elliott

Oct.   9 Sulfur Cycling on Mars from a Perspective of Sulfur-Rich Terrestrial Analogs  
Prof. Anna Szynkiewicz, University of Tennessee  
Host: Horgan

Oct.  16 Climate Impacts and Extremes in Large Earth System Model Ensembles  
Prof. Ryan Sriver, University of Illinois-Champaign/Urbana  
Host: Wu

Oct.  21 Towards a Paradigm Shift in the Modeling of Soil Carbon Decomposition  
for Earth System Models  
Yujie He, PhD Candidate  
Advisor: Zhuang  
**Tuesday, 4:00PM, Room 2201/HAMP**

Oct.  23 Anthropogenic Signals in InSAR  
Prof. Rowena Lohman, Cornell University  
Host: Elliott/Flesch

Oct.  28 Giant Impacts on the Asteroid Vesta  
Tim Bowling, PhD Candidate  
Advisor: Melosh  
**Tuesday, 4:00PM, Room 2201/HAMP**

Oct.  30 Abiotic and Biogeochemical Controls on Reactive Nitrogen Cycling  
on Boundary Layer Surfaces  
Prof. Jonathan Raff, Indiana University  
Host: Shepson

(continued on next page)
Nov. 6   Andean Foreland Basins: A Thermochronologic Perspective on Sediment
         Provenance, Deformation, and Basin Thermal Histories
         Prof. Julie Fosdick, Indiana University          Host: Ridgway

Nov. 11  Profiling Developing Tropical Storm Environments Using GPS Airborne
         Radio Occultation
         Brian Murphy, PhD Candidate            Advisor: Sun/Haase
         **Tuesday, 4:00PM, Room 2201/HAMP**

Nov. 13  Shale Gas Development and the Environment
         Prof. Mark Zoback, Stanford University          Host: Nowack
         **Thursday, 4:00pm, Room 210/MTHW (joint with the Physics Dept.)**

Nov. 20  The Role of Monsoon Circulation on Tropopause Variability
         Prof. Yutian Wu, Purdue University

Dec.  4   CSI Patagonia: Tracking Glacial and Climate Dynamics over the Last Glacial Cycle
         Alessa Geiger, University of Glasgow          Host: Harbor
Dear Dr. Roberts:

Sandia National Laboratories is seeking candidates for the President Harry S. Truman Fellowship in National Security Science & Engineering, a three-year appointment allowing recipients to pursue independent research that supports Sandia's national security mission. In my role as campus executive to your university, I would like to encourage your top PhD students in science or engineering to apply. Please share this information with those top PhD students, deans, department chairs, faculty, research center directors, graduate studies offices, fellowship offices, and professional societies.

Truman Fellowship candidates are expected to have solved a major scientific or engineering problem in their thesis work or will have provided a new approach or insight to a major problem, as evidenced by a recognized impact in their field. Fellows may work at either principal location, Albuquerque, NM or Livermore, CA. The salary is $111,200. Candidates must be able to obtain a security clearance and be seeking their first national laboratory appointment. They must have been awarded a PhD (with strong academic standing) within three years at the time of application or will have completed all PhD requirements by commencement of the appointment. Applications are due November 1, 2014.

We are proud to have selected Fellows from Caltech, MIT, Georgia Tech, Stanford, and University of Texas-Austin, among others.

For questions on the application process, please contact Sara Draper at 505.845.7998 or sjdraper@sandia.gov. For research mentor or technical questions, contact Yolanda Moreno at 505.284.2106 or ymoreno@sandia.gov. More information is available at:
http://www.sandia.gov/careers/students_postdocs/fellowships/truman_fellowship.html

Sincerely,

[Signature]

Enclosure: Truman Ad
Sandia National Laboratories is seeking applicants for the President Harry S. Truman Fellowship (in National Security Science and Engineering). Candidates for this position are expected to have solved a major scientific or engineering problem in their thesis work or have provided a new approach or insight to a major problem, as evidenced by a recognized impact in their field.

The Fellowship provides the opportunity for new Ph.D. scientists and engineers to pursue independent research of their own choosing that supports Sandia’s national security mission. The appointee is expected to foster creativity and to stimulate exploration of forefront science and technology and high-risk, potentially high-value research and development.

Sandia’s research focus areas are: bioscience, computing and information science, engineering science, materials science, nanodevices and microsystems, radiation effects and high energy density physics, and geosciences. Additional R&D programs in support of Sandia’s mission areas can be found here.

Candidates must meet the following requirements: the ability to obtain a DOE "Q" clearance; and a Ph.D. (3.5 undergraduate and 3.7 graduate GPA preferred), awarded within the past three years at the time of application, or completed Ph.D. requirements by commencement of appointment. Candidates must be seeking their first national laboratory appointment (no previous postdoctoral appointments at a national laboratory).

The Truman Fellowship is a three-year appointment normally beginning on October 1. The salary is $111,200 plus benefits and additional funding for the chosen proposal. The deadline is November 1 of each year. For more information on the Fellowship and how to apply, see:

http://sandia.gov/careers/students_postdocs/fellowships/truman_fellowship.html

Sandia works in close partnership with federal agencies, universities, and industries to remain at the leading edge in accomplishing our mission.

Sandia National Laboratories is one of the country's largest research facilities employing nearly 8,500 people at major facilities in Albuquerque, New Mexico and Livermore, California. Please visit our website at www.sandia.gov.

Sandia is an equal opportunity employer. We maintain a drug-free workplace.

SANDIA NATIONAL LABORATORIES
President Harry S. Truman Fellowship in National Security Science and Engineering

Sandia National Laboratories is a multi-program laboratory managed and operated by Sandia Corporation, a wholly owned subsidiary of Lockheed Martin Corporation, for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-AC04-94AL85000.
Big Ten+ Graduate School Exposition

Sunday & Monday • September 21-22, 2014
Hosted by: Purdue University • West Lafayette, Indiana

"If you are considering grad school at all, GO! Absolutely an invaluable experience - I learned so much!"
2013 Student Attendee

Take Advantage Of:

- Travel Scholarships
- Key Networking Opportunities
- Informational Workshops
- Premier Graduate School Fair
- Comprehensive Information Regarding Graduate School Education in:
  - Engineering
  - Mathematics
  - Science
  - Technology
  - Science-related disciplines

Concerned About the Cost to Attend?

Visit our website to apply for a travel scholarship.

www.purdue.edu/gradexpo

An equal access/equal opportunity university
RELIGION, SCIENCE AND NATURALISM: WHERE THE CONFLICT REALLY LIES

In this lecture, Alvin Plantinga argues that there is at best superficial conflict between science and religion (e.g., Christianity, Islam, or Judaism) and that, in fact, they fit together really well. On the other hand, taking naturalism as the idea that there is no such person as God or anything like God, he also argues that there is deep conflict between science and naturalism. If you think of naturalism as a (semi) religion, there really is a science/religion conflict, but it's between naturalism and science, not between Christianity and science.

Alvin Plantinga is Emeritus Professor of Philosophy at both the University of Notre Dame and Calvin College. (He was the John A. O'Brien Professor of Philosophy at Notre Dame and the inaugural holder of the Jellema Chair in Philosophy at Calvin.) He is past president of both the American Philosophical Association and the Society of Christian Philosophers. Plantinga has made major contributions to metaphysics and epistemology, but is especially influential in philosophy of religion, having delivered the Gifford Lectures three times and been described by TIME magazine as “America’s leading orthodox Protestant philosopher of God.” He is the author of numerous books, including most recently Where the Conflict Really Lies: Science, Religion, and Naturalism (Oxford University Press 2011).

For more information
www.purdue.edu/discoverypark/dls | Cindy Ream: cream@purdue.edu | 765-494-0015
Friday, September 12, 
3:30 - 6:00 PM 
South Ballroom, Purdue Memorial Union

The Center for the Environment is pleased to announce its first annual Environmental Community Mixer

This is an opportunity for students, staff, and faculty members to:

• Meet new colleagues!
• Get involved!
• Learn about environmental opportunities at Purdue!

Register today: 
http://bit.ly/1riYvNl

Graduate students, research groups, and student organizations are invited and encouraged to share a poster or set up displays.

Refreshments and food will be provided.

http://www.purdue.edu/dp/environment
Geoscience Education Assistant Professor, Tenure Track

Position

The Department of Geological Sciences at California State University Fullerton invites applications for a tenure-track Assistant Professorship that will begin August 2015. Area of expertise shall include the study of geoscience education, but may also include other fields in geosciences. The successful candidate will be expected to develop an active, externally funded program involving undergraduate and Master’s students in the candidate’s field of study. The successful candidate must demonstrate interest and ability to teach courses in geoscience education at lower- and upper-division levels. Additional teaching may include introductory-level geosciences and upper-division/graduate courses. The successful candidate shall: (1) coordinate geoscience education courses; (2) help facilitate the integration of teacher preparation into our B.A. program; and (3) be involved in program-level assessment for our department.

Qualifications

• A Ph.D. in Geological Sciences, Science Education, or related field is required at the time of appointment.
• The successful candidate will have teaching experience, be committed to excellence in teaching at the undergraduate and Master’s levels, and have the ability to communicate effectively with an ethnically and culturally diverse campus community.
• Preference will be given to applicants who have demonstrated a strong commitment to teaching and mentoring a diverse population of students at the undergraduate and Master’s levels using student-centered, active-learning and inquiry-based approaches.
• Ability to teach lower- and upper-division courses in geoscience education, and other introductory level and/or upper-division/graduate courses the candidate is qualified to teach.
• Evidence of productive research in geoscience education.
• Evidence of a professional understanding of assessment methods.

Appointment Date
August 2015

Rank & Salary

This is a tenure-track position at the rank of Assistant Professor with a competitive salary and an excellent comprehensive benefits package including: health/vision/dental plans, spousal, domestic partner and/or dependent fee-waiver, access to campus child-care, defined-benefit retirement through the state system, and optional tax-sheltering opportunities. For a detailed description of benefits, go to http://hr.fullerton.edu/payroll_benefits/HealthCarePlans

Job Control Number
23603G--15--018

The University

California State University, Fullerton is an urban institution with one of the largest student enrollments (>38,000 students) in the 23-campus CSU system. CSUF's location 22 km SE of metropolitan Los Angeles offers unique collaborative opportunities with other universities and governmental agencies in the southern California region. CSUF is a Hispanic-Serving Institution and ranks 1st in numbers of baccalaureate degrees awarded to Hispanics in California.
The College

The College of Natural Sciences and Mathematics (CNSM) is dedicated to the principle that student learning and research are closely linked. The balance between teaching and research is a key strength of the college, whose slogan is “Exploration by inquiry and learning through discovery”. Abundant collaborative research and teaching opportunities exist within CNSM, which houses abundant research and laboratory facilities and maintains up-to-date IT infrastructure for both research and teaching needs. CNSM is part of the Catalyst Center for the advancement of research in teaching and learning math and science, which brings together science and math education experts across two colleges and seven departments to advance research in teaching and learning.

The Department

The Department offers a Bachelor of Science in Geology, Bachelor of Arts in Earth Science, Master of Science in Geology, and minor in Geology. The Department currently has approximately 160 undergraduate majors, 25 MS students and 13 full-time faculty. Fullerton's location offers convenient access to coastal, mountain, and desert environments, providing many opportunities for geoscience education, High-Impact Practice instruction, and student training. Department faculty expertise includes petrology, sedimentation/stratigraphy, structure/tectonics, paleontology, surface processes, biogeochemistry, hydrology, and geophysics. The Department is closely tied to the John D. Cooper Archaeological and Paleontological Curation Center, which houses, curates and performs research Orange County's paleontological and archeological collections. Applicants are encouraged to visit http://geology.fullerton.edu/ for additional information.

Application Procedure

To apply, please send a single pdf file including: 1) a detailed curriculum vita; 2) a letter of application; 3) a teaching statement that includes: a discussion of relevant course work and/or experience in preparation for teaching, a list of courses you are qualified to teach, and a statement of your teaching philosophy; and, 4) a statement of your future research plans and/or goals, as the pertain to the geoscience education position. Letters of recommendation from at least three referees familiar with your teaching and research potential should be sent separately. Applicants and referees should email materials directly to:

Dr. Matthew Kirby Geoscience_ed_search@fullerton.edu Geoscience Education Search Committee Chair Department of Geological Sciences California State University, Fullerton 800 N. State College Blvd. Fullerton, California 92834--6850 657 278--2158

Application Deadline

Applications will be accepted until the position is filled. To ensure full consideration, submit all application materials by November 14, 2014.

The person holding this position is considered a ‘mandated reporter’ under the California Child Abuse and Neglect Reporting Act and is required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.

California State University Fullerton celebrates all forms of diversity and is deeply committed to fostering an inclusive environment within which students, staff, administrators and faculty thrive. Individuals interested in advancing the University’s strategic goals are strongly encouraged to apply. EEO employer. Reasonable accommodations will be provided for qualified