COS DISTINGUISHED ALUMNUS

College of Science Distinguished Alumnus, Paul Krishna will be visiting the department on Friday, April 8. Faculty, Staff, and Students are invited to a catered reception with Paul and his family in CIVL 2201, 3:00-3:30 p.m.

"How to become a Corporate Environmental Manager in the Petroleum Industry - Mid-career lessons with a view to the future"

Presented by Paul Krishna
CIVL 2201, 3:30-4:30

Paul P. Krishna is the Corporate Environmental Programs Manager for Exxon Mobil Corporation based in Irving, Texas. He oversees and coordinates Environmental Program effectiveness, leads company networks, and manages external interfaces. Paul has a history of Upstream and Downstream-Chemical experience and broad exposure to many parts of the company. He is in his 22nd year with Exxon Mobil and has served in numerous management positions.

ERNIE AGEE SELECTED TO RECEIVE THE DISTINGUISHED GRADUATE ALUMNI AWARD AT THE UNIVERSITY OF MISSOURI

Ernie Agee has been selected to receive the Distinguished Graduate Alumni Award at the University of Missouri. According to George Justice, Vice Provost for Advanced Studies and the Dean of the UM Graduate School, they were impressed by the entire range of Dr. Agee’s academic achievement, professional service, and statewide recognition in Indiana. Additionally, he exemplified the ways outstanding scholarship can lead into public service, and were proud of his extended and sustained record of distinguished service.

UM plans to honor Dr. Agee at their Spring Graduate School Commencement ceremony, where he will also address the university’s MS and PhD graduates in the Hearnes Center on May 13, at 8:00 pm. Further, three Ernest M. Agee scholarships have been awarded by the Graduate School and the Chancellor's Scholarship Fund to the Department of Soil, Environmental, and Atmospheric Sciences.

UPCOMING MEETINGS

Monday, April 4
- EAS Primary Committee, CIVL 3201 (11:30 a.m.)

Wednesday, April 6
- Special Faculty Meeting, CIVL 3201 (11:30 a.m.)

Thursday, April 7
- EAS Executive Committee, CIVL 2201 (9 a.m.)

EAS SEMINAR

Monday, April 4, at 9 a.m. in CIVL 2201: "Insights on Melt Transport in the Earth from Field Studies, Experiments, and Models." Chris Andronicos, Cornell University (light breakfast provided)

Thursday, April 7, at 3:30 p.m. in CIVL 1252: "Hyperspectral Remote Sensing Evidence for Volcano-Ice Interactions in the Southern Highlands and Northern Lowlands of Mars." William Farrand, Space Science Institute (Planetary Science Candidate)

Friday, April 8, at 3:30 p.m. in CIVL 1252: "How to become a Corporate Environmental Manager in the Petroleum Industry - Mid-career lessons with a view to the future." Paul Krishna, Exxon Mobil Corporation (COS Distinguished Alumnus)

Refreshments at 3 p.m. in CIVL 2201

For more information, see the EAS online calendar.

WISP MEETING

"EAS Women Faculty: The Balancing Act"

Date: April 5, 2011
Room: CIVL 2201
Time: 12:00 - 1:00pm

RECENT PRESENTATIONS

On March 22 and 23 Gabe Bowen gave two talks at the University of Florida Department of Geological Sciences, entitled “Carbon and water cycle feedbacks during the Paleocene-Eocene thermal maximum” and “Water Isoscapes: Spatial Tracers in Water Cycle Science, Ecology, and Forensics”
Jennifer Haase gave an invited seminar on March 29 at the Colorado Center for Astrodynamics Research at the University of Colorado, Boulder, entitled, “The Use of Airborne GPS Radio Occultation to Investigate Tropical Cyclone Development.”

On March 30, Robert Nowack gave a presentation at the 2011 virtual workshop entitled “Visualizing Seismic Waves for Teaching and Research.” The workshop is run by the "On the Cutting Edge" project for professional development for geoscience faculty and is sponsored by NSF. The title of Prof. Nowack’s presentation was, “The Amplitude Gain of Wiggles and Pixels for Reflection and Transmission Seismics.” All the presentations from this workshop are available by clicking here.

Gabe Bowen, postdoc Jeremy Stalker, and collaborators from Purdue (Chris Miller – libraries, and Tonglin Zhang - statistics) and Texas A&M (Jason West and Shivani Mittal) attended the Biogeosphere-Atmosphere Stable Isotope Network conference on “Roles of Stable Isotopes in Water Cycle Research” from March 29-31 in Keystone, Colorado. The group made several presentations listed below. In addition, the meeting featured the initial launch of the Purdue-developed and hosted IsoMAP web-GIS portal (http://isomap.org) which was introduced through a set of tutorial sessions that drew about 40 conference participants.

Gabe Bowen (invited talk) Gradients, Boundaries, and Anomalies: Mapping Sources and Transport of Water in the Earth System Using δ2H, δ18O, and Deuterium Excess

Chris Miller (poster) The IsoMAP CI Stack: The Open Source, Grid-Enabled Technologies Behind the IsoMAP Project

Shivani Mittal (poster) Web-based leaf water isoscapes in IsoMAP using raster modeling

Jeremy Stalker (talk) Stable Isotope Water Provenance: Tracing Imported Water Inputs to the Municipal Tap Water of the Southwestern United States

Tonglin Zhang (poster) An Automated Geostatistical Toolkit for Mapping Stable Isotope Ratios of Precipitation over Space and Time

WORKSHOP ATTENDANCE
From March 25-27 Gabe Bowen attended a pre-drilling workshop for the NSF funded Bighorn Basin Coring Project, on which he is a co-PI. The workshop featured dialogue between drillers and scientists in order to develop logistical and scientific plans for the collection and study of ~1 km of core documenting continental climate change during extreme CO2-induced warming events of the Early Paleogene. If you are a Facebook user you can follow the planning, drilling, and scientific action by searching for “Bighorn Basin Coring Project” and ‘liking’ our community page!

AWARD WINNER
Mariya Petrenko has been selected to receive an Outstanding Student Paper Award for her poster presentation (Using Spaceborne Aerosol Observations to Constrain Biomass Burning Emissions in the GOCART Model) at the 2010 Fall Meeting in San Francisco, California.

Outstanding Student Paper Award winners will be announced in an upcoming publication of Eos, the weekly newspaper of AGU, and will receive a formal certificate of achievement.

SCIENCE JUDGES NEEDED
The 9th annual Undergraduate Research Poster Symposium will take place on Tuesday, April 12th in the Purdue Memorial Union Ballrooms. Currently they are really short on Science judges. They anticipate at least 130+ posters this year and would like each poster to be judged at least two times. Read more...

NSAISS ACCEPTING APPLICATIONS
The Office of the Director of National Intelligence’s (ODNI) National Security Analysis & Intelligence Summer Seminar (NSAISS) is now accepting applications through APRIL 3, 2011 for a two-week residential summer program in Washington, D.C., July 10-22, 2011. Read more...

EAS LIBRARY’S NEWEST BOOKS
Click here to see a list of new books in the EAS library in the last two weeks.
A NOTE FROM OUR ACADEMIC COUNSELOR
Summer REU in Boston Studying the Ecological Impacts of Climate Change

A position is available for an undergraduate with strong interests in ecology (particularly of plants) to work in Boston with the research team of Purdue professor Jeff Dukes during the summer of 2011. The selected student will work on the Boston-Area Climate Experiment http://www.ecosystems.umb.edu/bace.html and participate in the UMass Boston REU program. http://www.bio.umb.edu/undergraduate/research_experiences_for_undergraduates.html.

This program offers undergraduate students the opportunity to carry out an independent research project, work closely with a research group studying ecosystems, develop skills in the field and in the lab, explore issues of science ethics, exchange ideas with students and faculty at weekly seminars, and participate in field trips in and around Boston Harbor.

June 6 to August 12, 2011 (Start and end dates may be adjusted by prior arrangement). The campus is south of downtown on a peninsula extending into scenic Boston Harbor. Fieldwork takes place about 10 miles away. The student will receive $5,450, including stipend and housing allowance. (Additional funds are available to subsidize travel costs.)

Eligibility: Open to US citizens or permanent residents. Applicants must be undergraduates and must have completed at least 1 semester of biology.

To apply: Email a resume with classes taken, GPA, a statement of interests, and contact information for two references (including your relationship to them) to stultzm@purdue.edu. The subject line should be REU_Boston_(your last name). Evaluation of applications will begin on or about April 8 and continue until an applicant is selected.

Online Career Fair
Fulltime, Co-op, or internship opportunities are available for students at the Hire Big 10 Plus Virtual Career Fair on Tuesday, April 5th - Thursday, April 7th. You must register and upload your resume for this event.

Nancy

IMPORTANT NOTICE ABOUT THIS NEWSLETTER
This newsletter will now be 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 EAS 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 Gina Richey (grichey@purdue.edu) by Friday noon 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 EAS 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, deadlines, etc., see our departmental calendar at http://calendar.science.purdue.edu/eas/seminars.
Graduate Student Appreciation Week
April 4 – 8, 2011

Monday 4/4
Publishing Workshop
5:00 – 6:00 pm in ARMS B071
Looking for some tips on getting your next article published? If so, join us for an interactive panel with a number of experienced faculty from a variety of disciplines. Light refreshments will be served!

Tuesday 4/5
The Next Step: Landing the job you want
10:00 – 11:00 am in RAWLS 2058
Considering industry after graduate school? If so, join us and get your questions on how to land that perfect job answered by a panel of industry representatives. Light refreshments will be served!

Wednesday 4/6
The Next Step: Post-doc
5:00 – 6:00 pm in RAWLS 1062
Come learn all you need to know about post-docs from the Purdue Postdoctoral Association. Light refreshments will be served!

Thursday 4/7
Networking 101
6:00 – 6:45 pm, Presentation in ARMS 1010
6:45 – 7:30 pm, Reception in ARMS Atrium
Want to improve your networking skills? If so, join us for this two-part event. First you’ll learn how to effectively network. Then, you’ll get a chance to practice at a mock conference reception, complete with food and drinks!

Friday 4/8
Bowling Social
8:00 – 10:00 pm at PMU Rack and Roll
Cap-off the week with a few free games of bowling and billiards! The entire facility has been reserved for PGSG, so bring your family too!

E-mail pgsg.purdue@gmail.com with questions.
**Upcoming Events**

**APRIL**

- Tennessee Geology Trip  
  1st – 3rd (Friday – Sunday)
- Spring Fest  
  9th (Saturday)
- Dr. Haq Talk ("Convergent Tectonics")  
  14th (Thursday)(6:45pm)
- Indiana Dunes or Fossil Hunting  
  16th (Saturday)
- Dr. Granger Talk ("Vietnam’s Caves")  
  21st (Thursday)(6:45pm)
- Purdue Geology Day  
  23rd (Saturday)
- Dr. West Talk ("Coal Mine Reclamation")  
  28th (Thursday)
- End of Year Party  
  28th (Thursday)

**Cool Fact of the Week**

Moonquakes ("earthquakes" on the moon) do occur, but they happen less frequently and have smaller magnitudes than earthquakes on the Earth. It appears they are related to the tidal stresses associated with the varying distance between the Earth and Moon. They also occur at great depth, about halfway between the surface and the center of the moon.

**Weekly Events**

**Tuesday's**

Homework Help / Study Session  
CIVL Rm 2201  
6:00pm - 8:00pm

**Thursday's**

PUGS Officer / Member Weekly Meeting  
CIVL Rm 2201  
6:30pm - 7:30pm

For questions regarding PUGS, please email: Zach Umperovitch (President) (zumperov@purdue.edu)
To join PUGS, please email: Joe Dixon (Membership Committee Chair) (dixon4@purdue.edu)
To donate to PUGS, please email: John Shufflebarger (Treasurer) (jshuffle@purdue.edu)