Upcoming MEETINGS

Monday, August 27, 1:00 pm, HAMP 2201
EAPS Gold Mine Mtg.

Thursday, August 30, 12:00 - 1:00 pm, HAMP 2201
GSA Luncheon

Friday, August 31, 10:30 – 11:30 am, HAMP 2201
G&G Group Meeting

Friday, August 31, 11:30 am – 12:30 pm, HAMP 2201
WISP Lunch – Qianwen Luo

Friday, August 31, 4:00 – 8:00 pm, HAMP 2201
Faith Weeks, GK-12

Friday, September 7, 8:15 – 9:15 am, HAMP 2173
Executive Committee Meeting

Tuesday, September 14, 3:00 – 5:00 pm, HAMP 3201
EAPS Faculty Meeting

Welcome to EAPS

The planetary group welcomes postdoc Colleen Milbury (previously at Nantes, after receiving her PhD at UCLA), who will be working on the GRAIL lunar mission data.

CICP Faculty Commercialization Award

Nominations are being sought for the 2012 CICP Faculty Commercialization Award and should be submitted to John Schneider, Assistant VP for Industry Research/Outreach Chair by Sept. 7, 2012. Nominations can be sent electronically (jas@purdue.edu), fax 496-3829 or sent campus mail (VPR/HOVD). The award is expected to be presented at the end of October or early November.

Please contact John if you have any questions (jas@purdue.edu or 494-5532).
(See attached document regarding this award)

The Purdue Water Community (PWC) is sponsoring an event that will be of interest to many of you, Thurs., 9/6/2012. (Details in attached flyer)

Recent EAPS Publications, Presentations & Awards

Undergraduate Shuang Zhao who worked over the summer with EAPS graduate student David Mase and Prof. Greg Michalski was awarded the best poster prize at the 10th annual SURF symposium.

The new J. of Purdue Undergraduate Research has been published electronically at http://docs.lib.purdue.edu/jpur/. The print version will be mailed this month and was distributed by the Purdue booth at the Indiana State Fair. The new volume of JPUR features a cover photo of astronaut Jerry Ross, full articles by David Geng (mentored by EAPS Prof. Greg Michalski), EAPS undergrad Brenton M. Chentnik published Characterizing Fractures and Deformation Bands: Implications for Long-Term CO2 Storage within the Cambrian Mount Simon Sandstone working with Brenda Beitler-Bowen, and Vishnu Srinivasaraghavan published a research snapshot titled Vertical and Lateral Variation of Carbonate Isotope Ratios within Paleosol Profiles of the Willwood Formation, Wyoming under the mentorship of EAPS graduate student Justin VanDeVelde and Gabe Bowen.

EAPS was well represented last week at the 75th annual meeting of the Meteoritical Society in Carins, Australia (Aug. 13-17), with presentations by:

J. Kendal and H. J. Melosh, Dispersion of iron cores during planetesimal impact.

Grad students Tim Bowling and Jordan Kendall received NASA Cosmochemistry travel grants to attend this meeting, and they are both participating in a week-long field trip to the Australian Outback to examine impact structures in the deserts of Western Australia.
**AMY'S LAB SAFETY NEWSLETTER FALL 2012**

**PLAN YOUR TRIP EARLY! A REMINDER OF SOME ANNUAL MEETINGS COMING UP!**

Form 17 deadlines for pre-payment of registration and other costs (two weeks before early bird registration deadline)

Association of Environmental and Engineering Geologists (AEG) 55th Annual Meeting, September 16th – 23rd, Salt Lake City, UT
Registration is open now!! Form 17 Deadline Now!!
http://aegweb.org/home/professionals/meetings-and-events/aeg-annual-meeting/2012-salt-lake-city

Division for Planetary Sciences (DPS) 44th Annual Meeting, October 14th – 19th, Reno, NV
Registration is going on now! Form 17 Deadline Now!!
http://www.psi.edu/dps12/ - Late registration is 9/5/12 – 10/19/12.

Geological Society of America (GSA) Annual Meeting and Exposition, November 4th – 7th, Charlotte, NC
Early registration ends 10/1/12! Form 17 Deadline 9/17/12 – http://geosociety.org/meetings/2012/

Society of Exploration Geophysicists (SEG) 82nd Annual Meeting, November 4th – 9th, Las Vegas, NV
Discount Pricing ends 9/18/12! Form 17 Deadline 9/4/12
http://www.seg.org/web/annual-meeting/2012/overview

American Geophysical Union (AGU) 45th Annual Fall Meeting, December 3rd – 7th, San Francisco, CA
Discounted registration ends 11/2/12! Form 17 Deadline 10/19/12 – http://sites.agu.org/meetings/

American Meteorological Society (AMS) 93rd Annual Meeting, January 6th – 10th 2013! Austin, TX
Discount pricing ends 12/3/12! Form 17 Deadline 11/19/12
http://annual.ametsoc.org/2013/?CFID=485116&CFTOKEN=47756615

Lunar and Planetary Science Conference (LPSC) 44th Annual Meeting, March 14th – 22nd 2013!
http://www.lpi.usra.edu/meetings/lpsc2012/ -- More information to come!

**2012 PRESIDENT HARRY S. TRUMAN FELLOWSHIP**

Sandia Laboratories has announced the 2012 President Harry S. Truman Fellowship in National Security for Science and Engineering for young PhD professionals. A flyer containing information about the 2012 Truman Fellowship may be found at their website: (https://engineering.purdue.edu/Intranet/Groups/Administration/RE/).


**VPR Internal Funding Opportunities**

The VPR Office opened up some internal funding opportunities. The research equipment and incentive grant programs can be found at: http://www.purdue.edu/research/vpr/rschdev/fund_main.php

The three areas are:
Request for Incentive Grant Proposals – letter of intent due 9/6
Laboratory Research Equipment Program - letter of intent due 9/5

**DISCOVERY PARK ANNOUNCES A NEW DISCOVERY PARK-WIDE FACULTY RESEARCH FELLOWS AND SCHOLARS INITIATIVE.**

All eight core DP centers except the Bindley Bioscience Center and the Birck Nanotechnology Center are eligible to participate for the 2012-2013 DP-wide Research Fellows and Scholars Program. The Bindley Bioscience Center and the Birck Nanotechnology Center administer separate programs. See http://www.purdue.edu/discoverypark/main/initiative.php.

Discovery Park seeks to engage the campus in the development, expansion and application of new science and engineering research and technologies. The program is directed at faculty on the West Lafayette campus (tenure-track/tenured and clinical) at all academic ranks who feel their research will benefit from access to the interdisciplinary environment and resources at Discovery Park. Fellows and Scholars will be chosen on a competitive basis following nomination by both their department/unit head/chair and the appropriate Discovery Park center director with approval of the college dean. Appointment to the Fellows program is for one calendar year, while appointment to the Scholars program is for two calendar years. Departments/units will receive $25,000/year for each fellow and scholar as compensation for the partial release from academic responsibilities of faculty serving as Discovery Park Research Fellows or Scholars. Each fellow and scholar may receive up to $10,000/year for use in Discovery Park core research facilities during their appointment. The appointment period will begin January 1, 2013.

**A complete nomination packet is due September 5, 2012.**

Details regarding the nomination packet submission can be found at the program announcement link above.

Please contact Wendy Field (wfield@purdue.edu) for additional details.
**PURDUE UNIVERSITY FACULTY AND STUDENTS**

You are invited to attend an interdisciplinary conference to be held at Purdue this Sept. 6-8 and to provide you with a coupon code that will enable you to attend the conference for free.

The conference organizers, Professors Michael Bergmann and Patrick Kain of Purdue’s Department of Philosophy, have arranged for leading scholars in Philosophy, Cognitive Science, and Religious Studies to come together to address questions under the heading of “Challenges to Religious and Moral Belief: Disagreement and Evolution”. (Please see the conference website for more details and information)

www.knowinginreligionandmorality.com/conference.html

The conference registration fee is waived for all those with a PUID, but only if they register online before Aug. 24, 2012 and use this coupon code: PU100 (please note that this coupon code is for Purdue faculty and students only), go to www.conf.purdue.edu/knowing and follow the instructions at the bottom of the page.

There is an additional cost for those wanting to attend the conference banquet. Brian Besong, RA for “Challenges” Conference, Dept. of Philosophy, Purdue University; knowing@purdue.edu

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**NSF’S “EAST ASIA & PACIFIC SUMMER INSTITUTES” (EAPSI) FOR US GRADUATE STUDENTS PURSUING SCIENCE AND ENGINEERING**

The goals of the EAPSI program are to provide students with first-hand research experiences in Australia, China, Japan, Korea, New Zealand, Singapore or Taiwan towards an introduction to the science, science policy, and scientific infrastructure of the respective location plus an orientation to the society, culture and language. The primary goals of EAPSI are to introduce students to East Asia and Pacific science and engineering in the context of a research setting, and to help students initiate scientific relationships that will better enable future collaboration with foreign counterparts. http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5284

There are scores of host universities, some which you will recognize as Purdue partners. The direct link follows for convenience.

http://www.nsf.gov/od/oise/eapsi-host-lists-all.jsp

Please note that Cyndi Lynch, Purdue Graduate School, is the coordinating official for this program. The application deadline this year is Nov. 8, 2012.

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**GEOLOGY DEPARTMENT REPRESENTATIVE SOUTHERN ILLINOIS UNIVERSITY**

The Department of Geology at Southern Illinois University (http://www.geology.siu.edu/) is looking for someone to fill a tenure track faculty position in Stratigraphy and Sedimentology. The position announcement is attached and is also available at this link (COS-95):

http://www.siu.edu/jobs

We are especially interested in obtaining contact information for recent female and minority graduates that may meet the conditions of the announcement.

esling@siu.edu

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**NSF GRADUATE RESEARCH FELLOWSHIP PROGRAM (GRFP)**

**Application Deadline(s): (submitted by 8 p.m. Eastern Standard Time):**

- November 13, 2012 - Engineering; Computer and Information Sciences and Engineering; Materials Research;
- November 14, 2012 - Mathematical Sciences; Chemistry; Physics and Astronomy;
- November 16, 2012 - Social Sciences; Psychology; STEM Education and Learning;
- November 19, 2012 - Life Sciences; Geosciences

**Eligibility Criteria**

Fellowship applications must be submitted by the prospective Fellow. Applicants must register with Fastlane (https://www.fastlane.nsf.gov/fastlane.jsp) prior to submitting an application. Confirmation of acceptance in an NSF-approved graduate degree program is required at the time of Fellowship acceptance, by May 1, 2013. Prospective Fellows must enroll in an accredited United States university, college, or non-profit academic institution of higher education offering advanced degrees in science and engineering by Fall 2013.

**Available Formats:**


**The Graduate School will hold New Faculty Mentoring Workshops** on the following dates, times, and locations:

- Friday, August 31, 9:00-11:00am, STEW 322
- Thursday, September 6, 2:00-4:00pm, STEW 322

The purpose of the workshop is to help prepare new faculty to supervise and mentor graduate students. Participation in the workshop is required for new faculty who have had minimal experience directing graduate students and who seek appointment to the Graduate Faculty. For more information, and to register for a workshop, please see http://www.gradschool.purdue.edu/whatsnew/Mentoring-Fall2012.cfm.
**EAPS GRADS - JChevron Interviews September 10-11, 2012**

On Sept. 10th & 11th, 2012, Michele Gutenkunst will be in the department interviewing M.S. and Ph.D. students interested in an Earth Science career with Chevron. If you are interested in an interview, send your current resume/CV, cover letter, and unofficial undergraduate and graduate transcripts to mgutenkunst@chevron.com by Friday, August 31.

In addition, on Monday, September 10th at 6:00PM in Room 2201/HAMP, Michele will present an Earth Science Careers Information Session to all interested students. After the presentation, Chevron will take the graduate students out for dinner at Puccini's.

Job descriptions and qualifications are listed below and are also posted in Room 2279/HAMP. Candidates chosen for an interview will be notified on Sept. 5th. (See three attached flyers for more details)

**Chesapeake Energy Corp. Interviews September 14, 2012**

Chesapeake Energy Corporation will present an informational session on Thursday, Sept. 13th in Room 2201/HAMP at 5:30PM. All interested students are invited to attend. Food will be provided.

On Friday, September 14, Chesapeake Energy Corporation will be interviewing for their summer Internship program. These are full time, paid internships based in Oklahoma City, Oklahoma. (See attach flyer for more details)

**GEM GRAD LAB**

Purdue will be hosting a GEM GRAD Lab. GEM, it is a consortium of corporations and universities working together to provide funding for students interested in graduate school. This partnership promotes the participation of underrepresented groups in post-graduate science and engineering education and the technical workforce. The GEM GRAD Lab is provided at no cost to the students. Saturday, September 22nd, 1:00-6:00 pm. (See attached flyer)

You can register for the GEM GRAD Lab at: https://egem.gemfellowship.org/events/ViewEvent.aspx?contextId=10065%20

**NUMEROUS STUDENT AWARD OPPORTUNITIES**

The American Meteorological Society has numerous student presentation competitions and awards at the AMS Annual Meeting, 6-10 Jan., 2013 in Austin, TX. Check out all the award opportunities at: http://annual.ametsoc.org/2013/index.cfm/information-for/students/student-award-opportunities/

**AAPG STUDENT JOB FAIRS AND EVENTS FALL 2012**

http://students.aapg.org/expo/index.cfm

**HARDROCK GEOLOGIST ASSISTANT PROFESSOR QUEENS COLLEGE (CUNY)**

As part of a college-wide Urban Ecosystem initiative, the School of Earth and Environmental Sciences (SEES) seeks a tenure-track Assistant Professor in the general area of “hardrock” geology. Applicants with expertise in mineralogy/petrology and structural geology/tectonics/neotectonics are invited to apply.

Teaching responsibilities, appropriate for the candidate’s background, are at all curricular levels, including: introductory general education courses; required majors classes [Mineralogy, Petrology (igneous, sedimentary, metamorphic), Internal Processes (structural geology, tectonics, geophysics), and Field Geology] and graduate courses in our MA, MS, and consortial CUNY PhD programs.

The successful candidate must demonstrate the ability to design, carry out, and support an active research program with external funding. Preference will be given to those able to teach GIS, Optical Mineralogy, and SEM/EDX analyses and enrich our urban ecosystem initiative by collaborating with our environmental scientists and colleagues in other departments.

The SEES community includes 14 full-time faculty members, 25 Masters and PhD candidates, and approximately 150 Geology, Environmental Science, and Environmental Studies majors. For details of curricula, faculty research interests, and departmental resources, please log onto our website http://www.qc.cuny.edu/ACADEMICS/DEGREES/DMNS/SEES/.

Assistant Professor salary range: $42,873–74,133 with excellent benefits. EOE/AA

Review of completed applications will begin on February 1 and continue until a candidate has been hired. Applicants should submit a letter of interest, statements of teaching and research goals, transcripts for all undergraduate, and arrange for three recommendation letters to:

Dr. Cecilia McHugh, Search Committee Chair, School of Earth and Environmental Sciences, Queens College, 65-30 Kissena Boulevard, Flushing, NY 11367.

For other information, contact: Cecilia.mcHugh@qc.cuny.edu

**A SYMPOSIUM ON THE INTERSECTION OF LITERATURE, MATHEMATICS, AND PHYSICS**

**BORGES AND THE SCIENCES, Wed. Oct. 3, 2012, STEW 214 ABCD, 9:30 am–12:00 pm; 1:30 pm–4:00 pm; Free Event, All Welcome.**

http://masters.krannert.purdue.edu/borges-symposium/
**Thesis Office:**
**Formatting Assistance Service (Fall 2012)**

For Fall 2012 graduation, formatting assistance, an optional service, will be provided to graduate students. It is especially beneficial for Microsoft Word users who have finished their thesis up to 90% or final examination and experience difficulty formatting document on following areas: breaks, margins, page numbers, captions, Table of Contents, landscapes, etc.

To take the advantage of this opportunity, students must schedule an appointment with Anita Park, Thesis/Dissertation Office, 494-2600 or apark@purdue.edu at least 2-3 days in advance. For more information, please visit Thesis/Dissertation Office Calendar at http://www.gradschool.purdue.edu/calendar/calendar.cfm?type=Thesis.

**CALL FOR AUTHORS: VERSITA OPEN ACCESS BOOKS PROGRAM, EARTH SCIENCES**

Versita Ltd., an emerging science publisher with many open-access journals to its name is proud to announce a call for authors for its Open-Access Books Program in Earth Sciences. The open-access model will ensure much wider readership of monographs than the traditional model!

Please read the attached announcement for details. If you or anyone you know might be interested in submitting or discussing a book proposal with us, or have any questions or concerns, please contact me, Shawn Milrad, Managing Editor, Earth Sciences at smilrad@versita.com

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**A Note from Our Academic Counselor**

**Calendar:**
- **Monday, August 27:** Fall Cancellation Run (5 p.m.) for non-payment or registration was not confirmed.
- **Monday, September 3:** Last day to drop a class without it appearing on your transcript. Starting Sept 4 you need to see your advisor for paperwork.
- **Monday, September 3:** Labor Day—No Classes.

**EAPS Student Organization Callouts This Week! Wednesday, August 29 in CIVL:**
- 6:00 p.m. PUMA – Purdue University Meteorological Society Callout – Rm. 4251 CIVL
- 7:00 p.m. PUGS – Purdue University Geologic Society Callout – Rm. 3201 CIVL (See flyer)

**Study Abroad Fair**

Wednesday, September 5, from 10 – 3:30 on the Purdue Memorial Mall (just west of Stewart Center). SA programs vary from 1 week to 1 year; staff and students will be at the fair to answer your questions. Visit online at http://www.studyabroad.purdue.edu/ for more information on and planning for SA. We are welcoming back 3 EAPS students from study abroad…and sending more this academic year.

Where to Find: Check out the Purdue event calendar: https://calendar.purdue.edu/calendar/

Also look for news and events for Getting Involved: http://www.getinvolved.purdue.edu/Community?action=getMyHome

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**PURDUE ANNOUNCEMENT**

The Disability Resource Center (DRC) Centralizes Exam Proctoring Services for Students With Disabilities.

The DRC is now responsible for administering and proctoring exams for students with disabilities!

This effort continues the Disability Resource Center’s attempts to streamline and make the process for receiving accommodations easier for students. Included in these changes is a brand new testing facility within the Disability Resource Center, located in Young Hall, as well as a web based system to request exam proctoring.

Historically, students who needed accommodations during exams would either arrange a time and place with the instructor or request an appointment with The Testing Center, located in Schleman Hall. Instructors still have the option to accommodate students within their own departments. However, if the student and instructor agree to have the exam proctored by the Disability Resource Center, the student and instructor will utilize the online scheduling system (www.purdue.edu/drctesting) to make that request.

*PLEASE NOTE: For Math exams, please visit MA 242 for further instruction.*

If you’d like more information about these changes, please visit: http://www.purdue.edu/odos/testingcenter/classroomexams.php
EAPS LIBRARY NEWS

The Earth, Atmospheric, and Planetary Science Library has duplicate copies of maps which we no longer need. We are giving them away for free. Please stop by the library during the hours of 8:00am-5:00pm from now through August 31. Check with the person at the circulation desk and they will show you where these maps are located. The maps will be recycled if they are unable to find a new home.

Thank you, Terry Wade

AUGUST BIRTHDAYS!!

David Minton – August 5
Lucy Flesch – August 12
Terry West – August 15

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 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 Wanitta Thompson (thompsow@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.
CICP Faculty Commercialization Award
Funded by the Central Indiana Corporate Partnership (CICP)

Nomination Form/Criteria

Purpose of the Faculty Commercialization Award

The Faculty Commercialization Award will involve a cash prize of $5,000, as well as official recognition at a major campus event and at the Inventor’s Recognition Dinner. The Award is offered in recognition of Purdue tenure-track faculty members and research scientists who have been most active and/or successful in their efforts to contribute directly to the commercialization of Purdue-generated/owned technologies. The award is intended as an official acknowledgement of the importance of technology commercialization by Purdue faculty, as well as its relevance for preeminence in the Discovery, Learning and Engagement priorities of the University.

Timeline for nomination(s) submission and Award Presentation:

Nominations (including self-nominations) for the annual Faculty Commercialization Award should be submitted by September 7, 2012 to:

John A. Schneider
Assistant Vice President for Industry Research/Outreach
Chair, Faculty Commercialization Award Committee
Office of the Vice President for Research
610 Purdue Mall
Hovde Hall, Room 303
W. Lafayette, IN 47907-2040
E-mail: jas@purdue.edu
Fax: 496-3829

Nominations can be sent electronically, faxed or sent campus mail.

The annual award is expected to be presented the end of October or early November 2012.

Selection Criteria(s) (Submissions must be prepared to address the following criteria, must be drafted in fonts not smaller than 12-pt., with not less than 1-inch margins all around, and must not exceed 2 pages in length.)

1. Award candidates must be tenure-track faculty members or research scientists of Purdue University.
2. Commercialization outcomes must be materially influenced by the inclusion of intellectual property, copyrights, or other creative works emerging from Purdue University tenure-track faculty or research scientists, and by the direct contributions or involvement of the faculty member or research scientist.
3. To what extent do the nominee’s commercialization activities advance the Discovery, Learning and Engagement objectives of the University?
4. To what extent do the nominee’s commercialization activities contribute, in rank order, to the economies and culture of Indiana, the USA, and to the other nations and societies of the world?
5. How commercially successful has/have been the nominee’s (or licensees’) business(s) through which the innovation(s) was/were brought to market?
Gathering and Drought Information Session

Thursday, September 6, 2012
4:00 p.m. - 7:00 p.m.
Discovery Learning Research Center
DLR 131 and 134

Join us on for our 2012 school year kickoff featuring an information session on the effects of this year’s drought.

Our program will include two 20 minute presentations on the impact of the ongoing drought on our natural resources and the price of food. The evening will also include a reception and a chance to converse with others interested in all aspects of water.

Presentations include:
1) Indiana’s Water Storage Plan and comments on the impact of the drought on water supplies. Mark Basch, Indiana Department of Natural Resources
2) The impact of the Midwest’s drought on food prices. Corinne Alexander, Department of Agricultural Economics, Purdue University
Hey Boilermakers! Welcome to a new semester at Purdue. For those of you who might be settling into a new lab, let me introduce you to REM. REM stands for Radiological and Environmental Management and we’re here to help you make your labs a safe and compliant place to work. We’re happy to assist you with any questions you have, as well as provide training and waste removal services. REM’s Occupational Safety group also does building inspections, so you might see them around campus. Be safe and Boiler Up!

Who You Gonna Call?

- Have a question about Chemical Waste or Biological Waste Pick-ups? Or need help with a chemical spill?
  - Call 40121 or e-mail:
    - Adam: arkrajiçek@purdue.edu
    - Amy: atheivag@purdue.edu
    - or Dan: dnmiller@purdue.edu

- Need answers on Controlled Substances, Animal Protocols, or Biological Agents?
  - Contact Bob Golden: 41496, rwgolden@purdue.edu

- Have a question about Radioactive Waste pick-ups?
  - Contact Sharon Rudolph: 47969, skrudolph@purdue.edu

- Need Radioactive training or have a contamination issue?
  - Contact Zach Tribbett: 41478, ztribbet@purdue.edu

- Have a question about your Fume Hood?
  - Contact Joe Henseler: 40110, jhensele@purdue.edu

- Have a question about your Biological Safety Cabinet?
  - Contact Rachael DeRudder: 47968, rederudder@purdue.edu

- Having a problem with Mold, Odors, or Indoor air quality?
  - Contact Heath Bentley: 43134, hebentle@purdue.edu

- Questions about the Integrated Safety Program (ISP)?
  - Contact Judah Young: 47293, judah@purdue.edu

- Have a question about the Chemical Hygiene Plan?
  - Contact Linda Swihart: 43244, swihart@purdue.edu

- Need to Ship Chemicals or get Shipment training?
  - Contact Lanie Hazlewood: 67367, lshazlewood@purdue.edu

- Need help with PPE or Hazard Assessments?
  - Contact Eric Butt: 49227, embutt@purdue.edu

Spill Something?

Check out REM’s website for tips on dealing with high-hazard emergency spills, non-emergency spills and mercury spills.

http://www.purdue.edu/rem/hmm/spills.htm

It will help you determine if you need to call 911 or just call REM.

“Lab Coat Rationale”

“Piled Higher and Deeper” by Jorge Cham
www.phdcomics.com
Waste Pick-up Procedures

Chemical Waste:

If you have chemical waste you would like to dispose of, first make sure that all the containers are closed, labeled and set aside in a designated pick-up area inside your lab. Fill out a Hazardous Materials Pick-up Request form entirely, making sure to include location information. When listing your chemicals for disposal, give a complete description of the waste without using chemical acronyms or abbreviations. If there are multiple constituents in one container, list them as percentages, such as, “Chemical A 60%, Chemical B 40%, Chemical C Trace.” Make sure the description you use on the pick-up request matches the label on the waste container. Once your pick-up request is submitted, a technician from the Hazardous Materials Management team will be there to pick up your waste in 1-2 days.

For more information on chemical pick-ups, as well as pick-up forms, go to: http://www.purdue.edu/rem/hmm/chemwast.htm

Biological Waste:

If you have biological waste, first determine if it is Category 1 or 2. Category 1 waste is biological material that is known, assumed, or suspected to be infectious to humans and must be treated by autoclave or with a chemical disinfecting agent before submission for pick up. If it is Category 2 (“look-alike”) waste, it does not need to be treated. All biological waste must be placed in the provided black bags and cardboard boxes. Do NOT use orange bio-bags! Once the box is full it needs to be shut with the provided tape. Fill out a Bio-Materials Treatment and Certification form, place it on the waste you would like to be removed and call REM at 49-40121 to request a pick-up. The waste is usually picked up within one business day. The technician will leave the same number of boxes as were picked up.

For more information on biological pick-ups, as well as information on categories of biological waste and pick-up forms, go to: http://www.purdue.edu/rem/eh/biowaste.htm

Can I put this down the drain?

Do you ever generate waste and wonder, “Could I just dump this in the sink?” Most often, the answer to that question is no because Purdue must comply with West Lafayette’s Wastewater Treatment Plant’s regulations. If your waste contains any solvents, acids, bases, toxics, or oxidizers, etc. it must be submitted to REM on a Hazardous Materials Pick-up Request form. REM created a reference guide called “Chemical Handling and Disposal Guidelines;” check out Table II for a short list of items that are allowed to go down the drain in small quantities. Hint: The Chemical Handling and Disposal Guidelines document is also a great resource for lots of other lab information.

For those of you that run ethidium bromide gels, here’s a reminder. All ethidium bromide solid debris, such as gels and pipette tips, must be submitted to REM on a pick-up request. The buffers and solutions you use with Ethidium Bromide gels can be submitted to REM as waste or put down the drain only if you use filter especially designed for removal of ethidium bromide. I would recommend the Whatman Extractor™ System sold on Fisher Scientific’s website.

Do you have a lab safety question or issue you’d like Amy to address in this newsletter? Let her know!

E-mail atheivag@purdue.edu; Phone 49-69359
Chevron Earth Science Recruiters visiting Purdue University’s Campus September 10th and 11th

- Chevron invites students interested in an Earth Science career to join us for an informational session Monday, September 10th at 6:00 pm
  - Following the info session, we invite you to join us for dinner at Puccini’s
- Chevron will be interviewing students interested in both Full-Time and Internships positions on September 10th and 11th
  - Please see job descriptions for more information and qualifications
  - If interested in obtaining an interview slot, please send the following documents to Michele Gutenkunst (mgutenkunst@chevron.com) by August 31st:
    - Resume
    - Transcripts (both undergraduate and graduate)
    - Cover letter
  - Candidates chosen for an interview will be notified on Sept. 5th and will be asked to sign up for an interview time slot at that time
Chevron Corporation is one of the world's leading integrated energy companies with subsidiaries that conduct business across the globe. The company's success is driven by the ingenuity and commitment of approximately 62,000 employees who operate across the energy spectrum. Chevron explores for, produces and transports crude oil and natural gas; refines, markets and distributes transportation fuels and other energy products and services; manufactures and sells petrochemical products; generates power and produces geothermal energy; and develops and commercializes the energy resources of the future, including biofuels and other renewables. Chevron is based in San Ramon, California.

Chevron is accepting online applications for the position of entry-level Geologists and Geophysicists located in:
- Bakersfield, California
- San Ramon California
- Covington, Louisiana
- Lafayette, Louisiana
- Houston, Texas
- Midland, Texas
- Moon Township, Pennsylvania

Geologists and Geophysicists may work at any of Chevron’s worldwide operations or Chevron Energy Technology Company*. Geologists and Geophysicists within Chevron are part of multi-disciplinary teams which vary in make-up but can include reservoir engineering, production engineering, simulation engineering, facility engineering and well engineering operations functions. These positions will provide technical geological or geophysical support and risk assessment for prospect generation, reserves recovery and major capital projects.

For most recent graduates, Chevron has a competency-based employee development program that includes two to three technical assignments in the first 5 years of your career supported by strong technical mentoring and comprehensive technical training. Mobility is encouraged as there are many opportunities for Chevron geologists and geophysicists to work in a variety of assignments at different locations, both domestic and international.

Responsibilities for this position may include but are not limited to:

**Geologic Skills:** Successful geology candidates must be familiar with development geology work processes and have the ability to integrate seismic, well, and production data to evaluate reservoirs. Reservoir Management skills such as reservoir mapping, modeling and characterization must be demonstrated. The successful candidate also needs to be adept at volumetric, reserve and risk assessments. Formation evaluation and planning for and managing reservoir surveillance programs or new well, sidetrack and work over planning could also be expected job functions.

**Geophysical Skills:** Successful geophysical candidates must be familiar with geophysical tools (velocity, amplitudes, AVO modeling, rock physics, seismic processing, etc.) to assist earth scientists and engineers in prospect generation and reserves recovery. The candidate must keep abreast of new and emerging technologies, maintain close ties with geophysical vendors and intra-company technology networks and leverage when appropriate.

**Required Qualifications:**
- Students completing the last year of the requirements for their Masters or Doctorate program in geology, geophysics, geological engineering or related fields or individuals with a Masters or Doctorate degree in geology, geophysics, geological engineering or related fields with less than 2 years of directly related work experience.
- GPA – 3.0 or above
- Strong academic performance in core programs, communication, leadership, teamwork and problem-solving skills.

**Preferred Qualifications:**
- Masters or Doctorate students with specialties in the fields of geophysics, seismic data acquisition and processing, seismic velocity modeling, reservoir properties from seismic, carbonate and clastic stratigraphy and petrography, structural geology, field mapping, depositional systems, petrophysics and well log technologies, geochemistry, and basin, geostatistical and fluid flow modeling. These skill sets are needed for our Chevron Energy Technology Company. The Energy Technology Company provides project technical services, new technology development, and research and development activities for Chevron Corporation world-wide.
Relocation Options:
Relocation may be considered within Chevron parameters.

Additional Application Instructions:
Please submit your resume and unofficial Transcript(s) for review.

* Please note that this position involves Chevron Energy Technology Company technologies that are subject to export controls under U.S. law. Because of these U.S. export controls, Chevron Energy Technology Company will be unable to engage individuals who are (a) not U.S. citizens, permanent resident aliens, temporary resident aliens, applicants for temporary resident status, refugees, or asylees; and who are also (b) current or former citizens or permanent residents of a country that is subject to comprehensive trade sanctions under U.S. export control law. These embargoed countries are identified by the U.S. government. If both (a) and (b) apply, we regret that we will not be able to consider you for this position due to U.S. export controls.

EOE M/F/D/V
Chevron Corporation is one of the world’s leading integrated energy companies with subsidiaries that conduct business across the globe. The company's success is driven by the ingenuity and commitment of approximately 62,000 employees who operate across the energy spectrum. Chevron explores for, produces and transports crude oil and natural gas; refines, markets and distributes transportation fuels and other energy products and services; manufactures and sells petrochemical products; generates power and produces geothermal energy; and develops and commercializes the energy resources of the future, including biofuels and other renewables. Chevron is based in San Ramon, California.

Chevron is accepting online applications for the position of Geologist and Geophysicist Interns located in:

- Bakersfield, California
- San Ramon California
- Covington, Louisiana
- Lafayette, Louisiana
- Houston, Texas
- Midland, Texas
- Moon Township, Pennsylvania

**Geologist and Geophysicist Interns** may work at any of Chevron’s worldwide operations or Chevron Energy Technology Company*. Geologists and Geophysicists within Chevron are part of multi-disciplinary teams which vary in make-up but can include reservoir engineering, production engineering, simulation engineering, facility engineering and well engineering operations functions. These positions will provide technical geological or geophysical support and risk assessment for prospect generation, reserves recovery and major capital projects. Mobility is encouraged as there are many opportunities for Chevron geologists and geophysicists to work in a variety of assignments at different locations, both domestic and international.

**Responsibilities for this position may include but are not limited to:**

**Geologic Skills:** Successful geology candidates must be familiar with development geology work processes and have the ability to integrate seismic, well, and production data to evaluate reservoirs. Reservoir Management skills such as reservoir mapping, modeling and characterization must be demonstrated. The successful candidate also needs to be adept at volumetric, reserve and risk assessments. Formation evaluation and planning for and managing reservoir surveillance programs or new well, sidetrack and work over planning could also be expected job functions.

**Geophysical Skills:** Successful geophysical candidates must be familiar with geophysical tools (velocity, amplitudes, AVO modeling, rock physics, seismic processing, etc.) to assist earth scientists and engineers in prospect generation and reserves recovery. The candidate must keep abreast of new and emerging technologies, maintain close ties with geophysical vendors and intra-company technology networks and leverage when appropriate.

**Required Qualifications:**

- Students pursuing their Masters or Doctorate degree in geology, geophysics, geological engineering or related fields.
- Strong academic performance in core programs, communication, leadership, teamwork and problem-solving skills.
- GPA – 3.0 or above

**Preferred Qualifications:**

- Masters or Doctorate students with specialties in the fields of geophysics, seismic data acquisition and processing, seismic velocity modeling, reservoir properties from seismic, carbonate and clastic stratigraphy and petrography, structural geology, field mapping, depositional systems, petrophysics and well log technologies, geochemistry, and basin, geostatistical and fluid flow modeling. The Energy Technology Company provides project technical services, new technology development, and research and development activities for Chevron Corporation world-wide.

**Relocation Options:**
Relocation may be considered within Chevron parameters.

**Additional Application Instructions:**
Please submit your resume and unofficial Transcript(s) for review.
* Please note that this position involves Chevron Energy Technology Company technologies that are subject to export controls under U.S. law. Because of these U.S. export controls, Chevron Energy Technology Company will be unable to engage individuals who are (a) not U.S. citizens, permanent resident aliens, temporary resident aliens, applicants for temporary resident status, refugees, or asylees; and who are also (b) current or former citizens or permanent residents of a country that is subject to comprehensive trade sanctions under U.S. export control law. These embargoed countries are identified by the U.S. government. If both (a) and (b) apply, we regret that we will not be able to consider you for this position due to U.S. export controls.

EOE M/F/D/V
Chesapeake Energy Corporation will present an informational session on Thursday, September 13th in Room 2201/HAMP at 5:30PM. All interested students are invited to attend. Food will be provided.

On Friday, September 14, Chesapeake Energy Corporation will be interviewing for their summer Internship program. These are full time, paid internships based in Oklahoma City, Oklahoma.

You could be one of over one hundred summer interns on their OKC campus. Interns work within one of their geology teams (districts). In this role you will work closely with their talented geoscience staff on an applied "hands-on" technical project, with results presented directly to the team. This internship is designed to advance your professional growth, expose you to their high-tech industry, and exemplify the critical role geoscience careers play in CHK's success. Summer internship start and end dates are somewhat flexible, but typically span from May through early August. Online applications through the Chesapeake website are due by midnight on Monday, September 4.

Qualifications:
- Currently enrolled in an accredited college or university
- Current cumulative GPA of 2.8 or higher on a 4.0 scale
- Graduate students preferred

To apply for this position, please follow these 4 steps:
2. Search for “Purdue University” in the “Keywords” field.
3. Select the specific position that coincides with your major, then click “Apply.”
4. Create a profile and attach a resume and unofficial transcript.

Should you encounter any issues during the online application process please call 1-855-855-CHKU.
The National GEM Consortium  |  www.gemfellowship.org  |  info@gemfellowship.org

GRAD Lab
Getting Ready for Advanced Degrees Lab

Sponsored by
College of Engineering,
Purdue University
in Collaboration with the
Big Ten+ Graduate School Exposition

Register online www.gemfellowship.org

The College of Engineering at Purdue University is extremely proud to host the GEM GRAD Lab: Getting Ready for Advanced Degrees Laboratory. This fun event designed to inform….a FREE event with afternoon snacks and dinner provided.

Date:  Saturday, September 22, 2012
Registration:  12:30 pm
Program:  1:00 pm–6:00 pm (Eastern Time)
Location:  Stewart Center, Room 214/128
Memorial Mall/West Lafayette, IN

Who Should Attend:  Any science/engineering undergraduate, graduate or working professional who is interested (or should be interested) in furthering their education in a STEM field.

The National GEM Consortium  |  www.gemfellowship.org  |  info@gemfellowship.org
PUGS Callout

When: Wednesday August 29th 2012 at 7:00 PM

Where: Civil 3201

Why join PUGS: We are an organization dedicated to unifying all levels of the EAPS department to better establish a community like setting for educational and social events (ie: FUN!)

For questions regarding PUGS, please email: Elisa Baumgardt (President) (ebaumgar@purdue.edu)
To donate to PUGS, please email: Austin McGlannan (Treasurer) (amcglann@purdue.edu)