

EAPS SEMINARS

No seminar scheduled for this week

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## EAPS PRESENTATIONS

Upon invitation, **Prof. Qianlai Zhuang** gave a lecture, entitled "Land-use and land-cover changes and their effects on carbon and water cycling in Northern Eurasia" to the Computational Information Technologies for Environmental Sciences: "CITES-2013" Event and the Northern Eurasia Earth Science Partnership Initiative (NEESPI) Workshop in Petrozavodsk, Russia, 28 Aug.- 6 Sept. 2013.

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## UPCOMING DEFENSES

**PhD Defense-September 11, 2:00pm, 2201/HAMP**  
Zhangcai Qin – "Quantifying Crop Yield, Bioenergy Production and Greenhouse Gas Emissions from Cropland and Marginal Land Using a Model-Data Fusion Approach"  
Advisor: Qianlai Zhuang

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## GRADUATE STUDENT INFORMATION

### OIL COMPANY INTERVIEWS

#### EXXONMOBIL October 1-2

If interested in obtaining an interview slot, please fill out an online application and post a copy of your resume and transcripts on their website by **September 23**. The ExxonMobil website is [www.exxonmobil.com/apply](http://www.exxonmobil.com/apply). Also, see Kathy Kincade (HAMP 2169D) to sign up for an interview timeslot. Lisa Ryan, Recruiter for ExxonMobil will also hold a pre-interview presentation on **September 30** at 5:00pm in Room 2201/HAMP. See attached flyer for additional information.

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GRANT AND PROPOSAL WRITING WORKSHOP

Dr. Peter Dunn (Professor of Entomology and Research Integrity Officer) will provide tips, advice, and instruction on how to write a proposal for funding. The workshop will be held on **Tuesday, September 17, from 7:00 – 8:30 PM**. Please register at:
https://ias.itap.purdue.edu/rgs/wgb_workshop.disp_online_workshop

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## A.H. ISMAIL INTERDISCIPLINARY TRAVEL AWARD

The A. H. Ismail Interdisciplinary Program Doctoral Research Travel Award competition provides funds to assist students in the presentation of their doctoral research at a national or international conference. Deadline to apply is **October 18**. Application information may be found at:  
<http://www.gradschool.purdue.edu/downloads/fund/fellowships/Ismail%20Announcement%202013.pdf>

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GRADUATE STUDENT RESOURCES

The Office of Graduate Admissions wants to make sure you are aware of a couple resources they make available to all Purdue graduate students.

The first is their [Facebook](#) page, and the second resource is their [Twitter](#) feed, on which they publicize and share stories about graduate students here at Purdue and announce events that you may want to take part in. You can also share your experiences and observations of Purdue graduate life on the Facebook page.

Finally, we invite you to visit the [Facebook](#) page where we have added a post asking, "What is the one thing every new Purdue graduate student needs to know?" Please take a moment to consider this question and then add your response to our page. Your many responses will help new members of our graduate community avoid mistakes and take advantage of opportunities they would otherwise not know about.

DeGRASSE STUDENT LECTURE

Dr. Neil deGrasse Tyson, world-renown astrophysicist, as part of this year's Discovery Lecture Series will present a lecture entitled "The Just In: Latest Discoveries in the Universe" at 7:00pm in Elliott Hall of Music on **September 19**. Dr. Tyson will also be available for an informal Q&A with undergraduate and graduate students from 2:30-3:30pm IN LWSN 1142. Space is limited for this Q&A so you are asked to register online at https://purdue.qualtrics.com/SE/?SID=SV_9WYETH0N6i68hkF by September 11. Additional information about Dr. Tyson's lecture is available at <http://www.convocations.org/portfolio/dr-neil-degrasse-tyson-9-19-13/>.

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**A NEW ENERGY FUTURE**

There is an upcoming conference at Purdue, “**A New Energy Future**” that may be of interest to students. The conference will be in Loeb Hall on the afternoon of **Friday, Sept. 13, 2013**.

Together, the new Purdue Institute for Civic Communication (PICC), Bloomberg View (the opinion and analytical platform of Bloomberg News), and C-SPAN will present a series of forums on the issue of energy. The conference will start at 1:30 pm and wrap up at 6 pm. “A New Energy Future” will address questions including: What are future needs for fossil fuels, and can or should they be eliminated and replaced? Can we rely on renewables? Do practical solutions exist to reduce carbon emissions? How does natural gas change the equation? Is energy independence within reach?

Bloomberg View is inviting speakers from its talent line-up of writers and analysts, as well as representatives from Bloomberg New Energy Finance, which provides news and analytical tools to the energy sector. Brian Lamb is expected to interview a CEO of a major corporation on energy use. The forum will feature several Purdue faculty, including Jim Braun, Maureen McCann, and Wally Tyner in a panel. Program details will be available soon.

The format will encourage student Q&A. Please contact the PICC Executive Director, Ambassador Carolyn Curiel, at [curiel@purdue.edu](mailto:curiel@purdue.edu), or her student assistant, Alison Gayer, [agayer@purdue.edu](mailto:agayer@purdue.edu), with any questions.

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**ENVISION CENTER TOUR**

A **September 17** open house and tour of ITaP’s Envision Center is aimed at faculty, graduate students and research staff who may want to visualize, animate or employ virtual reality in their research, or for teaching purposes. More information is available at [www.itap.purdue.edu/newsroom/news/130821\\_envisioncenter\\_2013openhouse.html](http://www.itap.purdue.edu/newsroom/news/130821_envisioncenter_2013openhouse.html).

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**CAMPUS NEWS**

**TOUR OF NEW HIGH-TECH HOME FOR PURDUE SUPERCOMPUTER CARTER**

Faculty and staff will have two opportunities in September to tour the new high-tech home of Purdue’s powerful Carter supercomputer, a portable, self-contained, modular computer center. ITaP will conduct tours of the POD from **3:30-4:30pm on Tuesday, September 10** and **1:30-2:30pm on Friday, September 20**. Those taking the tour will meet in the main lobby of Freehafer Hall. To register, email Shirley Skeel, [sskeel@purdue.edu](mailto:sskeel@purdue.edu). For complete story, see [http://www.itap.purdue.edu/newsroom/news/130819\\_communityclusters\\_podtours.html](http://www.itap.purdue.edu/newsroom/news/130819_communityclusters_podtours.html)

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PRESIDENT’S FORUM

The Purdue community is invited to join President Mitch Daniels for a President’s Forum on **September 12** in the North Ballroom, Purdue Memorial Union scheduled for 8-9:30 a.m. The forum, will focus on Purdue’s new agenda -- initiatives developed from across the University that are designed to place Purdue among the great academic institutions of the world. The September forum will be one of three during the fall semester to focus on Purdue’s next big moves. All will feature President Daniels along with panelists who are leading the new initiatives. The forum will be live streamed at www.kaltura.com/tiny/z0mgo.

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**DISABILITY RESOURCE CENTER THURSDAY EVENING EXAMS**

The Disability Resource Center’s accommodated exam area, DRC Testing, will be open Thursday evenings beginning **September 19**. The change is being made in response to faculty and student requests for extended hours. The new hours for Thursdays will be 8 a.m.-8:30 p.m. Hours for Monday-Wednesday and Friday are 8 a.m.-5 p.m. unless closed for a campus-designated holiday. DRC Testing is located in Young Hall, Room 853. For more information, call 49-41246, email [drctesting@purdue.edu](mailto:drctesting@purdue.edu) or visit [www.purdue.edu/odos/drc/contact\\_information.php](http://www.purdue.edu/odos/drc/contact_information.php).

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FACULTY SEARCH AND SCREEN PROCEDURES WORKSHOPS

ADVANCE Search Committee Workshop on Faculty Hiring

Note: This workshop is now required (to be taken once every 5 years) if a faculty member plans to Chair a Search Committee.

Sept. 16. 8 a.m.-noon. Purdue Memorial Union, West Faculty Lounge

Oct. 10. 8 a.m.-noon. Purdue Memorial Union, West Faculty Lounge

This 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 round-table 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. Continental breakfast provided. For questions, contact Barb Clark at BarbClark@purdue.edu or 49-41765.

The Office of Institutional Equity is committed to making all programs accessible to participants with disabilities. If you require an accommodation or assistance due to a disability for this program, contact the Office of Institutional Equity before the program begins at 49-47253, 49-61343 (TTY), or oiie@purdue.edu.

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**CAPTURING RESILIENCE SUMMIT**

On **October 21 & 22**, the Ecological Science and Engineering (ESE) program and the Office of University Sustainability invite you to: "[Capturing Resilience: The bridge between recovery and prosperity.](#)"

Capturing Resilience is a summit to bring together leaders from government, industry, agriculture, and academia to draft and implement strategies to enhance economic prosperity and environmental preservation in the region.

**Highlights:**

- Nationally renowned speakers in sustainable development and resilience strategy
- Poster and 3 minute thesis competitions with cash awards.
- Lunch served with locally grown produce
- Panel discussions and focus groups
- Career and academic networking opportunities

Click [here](#) to learn more and register

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**A Note from Our Academic Counselor**

**2014 MAYMESTER IN TANZANIA CALLOUT**

Wednesday, **September 11**, 2013 @ 6:00 pm in BRNG 3276 (Pizza Served)

Additional Fall Callouts (10/9, 11/6, 12/4 – same time and location)



**Live on the Indian Ocean! Work in Local Schools! Enjoy a Safari!**

- Earn 7-9 credits in four weeks
- Three weeks living on the Indian Ocean working in local schools
- Swahili culture and language immersion
- 4-day Tanzanian safari

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Industrial Round Table

The Industrial Round Table will be held **Tuesday September 17th and Wednesday September 18th** at the Purdue Memorial Mall (*Rain Locations: Mackey Arena and Lambert Fieldhouse*).

Repeatedly recognized as one of the largest student-run job fairs in the nation, the Industrial Roundtable is an interactive, two-day job fair that annually attracts roughly 300 companies and over thousands of students from Purdue University. For the most current information about the fair, contact pescir@ecn.purdue.edu (765) 496-2660.

The fair is open to all undergraduate and graduate students throughout the wide variety of majors offered in engineering, management, science, technology, and business. Thirteen companies have indicated an interest in EAPS majors. The Industrial Roundtable is a perfect opportunity for employers to personally network with hundreds students. For current information about the fair, go to: <http://www.purdueesc.org/>. Go to CCO (Center for Career Opportunities) <https://www.cco.purdue.edu/> for help with your resume (many of which are submitted online prior to the event) and interview tips!

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**Big Ten+ Grad School Exposition**

The Big Ten+ Graduate School Exposition is specifically designed for those interested in graduate study in the fields of Engineering, Mathematics, Science, Technology and related disciplines. The Grad Expo features: educational workshops on funding graduate study, applying to graduate school, and careers in related fields; a networking reception with recruiters; and talking with current professors and graduate students about their schools and programs.

The 2013 Grad Expo will be held on **October 20 and 21, 2013**. This annual event is held at Purdue's West Lafayette, Indiana campus. \*Please note: The Big Ten+ Grad Expo focuses on graduate education such as the Master's or PhD. Professional degrees such as the DVM, PharmD, JD, and MD are not represented.

Online registration found here:

[https://purdue.qualtrics.com/SE/?SID=SV\\_cwnaYHjPQSEw\\_bYx](https://purdue.qualtrics.com/SE/?SID=SV_cwnaYHjPQSEw_bYx).

For more information:

<http://www.gradschool.purdue.edu/gradexpo/index.html>.

<http://www.gradschool.purdue.edu/gradexpo/student/about.cfm>.

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Lafayette Crisis Center Seeking New Volunteers

"We are a 24/7 non-profit organization that provides a variety of services to our community. Our organization is operated by caring volunteers; these volunteers answer the National Suicide Hotline, First Call 2-1-1, Crisis Line and Teen Line every day. In addition to answering any call that comes across our phones our volunteers can act as Rape Survivor Advocates and have the opportunity to move on to become a Crisis Center intern and/or trainer.

Volunteers participate in an intensive training program to help them gain the skills needed to answer our phones, no prior experience is necessary. Our organization relies heavily on the fantastic volunteers that continue to work on our phones and we could not do without them.

So once again we are currently seeking new volunteers. This experience is beneficial to the students and gives them a chance to become involved in their community. It offers them hands on experience in working with real people, helping them to work through real life problems, and connecting them with services. The volunteers will learn about community resources and gain interpersonal skills that will benefit them far beyond their time at the Crisis Center.

Our volunteers come from a variety of backgrounds and have gone on to various careers, where they've found the skills they learned during their time at the Crisis Center valuable. Some examples of these vocations are: law, education, social services, engineering, management and counseling. This experience has helped them to further their professional development while giving them the opportunity to become involved in their community."

Contact:

Beth Lutes
Volunteer Coordinator
Lafayette Crisis Center
1244 N. 15th Street
Lafayette IN 47904-2114
Business/Fax: 765-742-0247
Crisis Line: 765-742-0244

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**THE GREEN PROGRAM**



The GREEN Program is a short-term experience which combines hands-on education, adventure, service learning, cultural immersion and global networking to create an unparalleled learning experience in Iceland & Costa Rica. This program becomes a launch pad for the future innovative leaders of tomorrow.

Upon completion of the GREEN program you will receive:

- \* Experiential Education visiting several renewable energy facilities
- \* Service Learning through community service projects in impoverished areas
- \* Adventures such as surfing, glacier & jungle hiking or tectonic plate snorkeling
- \* Cultural Immersion in local indigenous tribes, eco-lodges or animal rehabilitation reserves
- \* Entrepreneurial inspiration developing your own green venture
- \* Access to our alumni network with job opportunities and industry connections
- \* Custom letters of recommendation based on your capstone project
- \* Transferable academic credit awarded by Reykjavik University

**Costa Rica 12 days Summer and Winter, 9 days Spring**

Five forms of renewable energy, action-packed adventures, cultural immersion, memories for a lifetime all in paradise.

**Iceland 10 days Summer, 8 days Winter and Spring**

Noted as the greenest country in the world, Iceland is an untapped reserve of energy and adventure. We have partnered with Reykjavik University's Renewable Energy and Sustainability Master's Program (REYST) and the School of Science and Engineering to provide quality insight into the industry from the leading innovators.

[Apply Today](#)

### 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/](http://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](mailto: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 EAPS Technology Support staff, please visit [http://www.purdue.edu/eas/info\\_tech/index.php](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>.





**Purdue University**  
**Department of Earth and Atmospheric Science**  
**September 30 – October 2, 2013**  
**Recruiter: Lisa Ryan**  
**ExxonMobil Geoscience**

Applicants are required to fill out an online application and post a copy of their resume on our website one week prior to interviewing with our campus recruiter. **We do not accept hard copy applications.** Copies of transcripts should also be posted on the website or brought to the interview. At this stage of the process, "unofficial" school versions of transcripts will be accepted as attachments to the online submittal. The ExxonMobil website is [www.exxonmobil.com/apply](http://www.exxonmobil.com/apply).

**The recruiters will conduct a pre-interview presentation on September 30.** The time and location of the orientation will be designated by the Department.

**Candidates for Regular Employment:**

For those interested in careers in Exploration, Development and/or Production, we will be interviewing outstanding students receiving a BS, MS or a PhD 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. We have excellent proprietary capabilities in teaching petroleum science and technology, and therefore do not require new geoscientists to have any prior petroleum course work or experience. There is, however, a requirement for demonstrated leadership, business awareness, adaptability, teamwork, excellent communication skills in English, and a commitment to high safety and ethical standards. The company regards its global and long-term approach to hiring and career development as the foundation of its future success as a company, and as a source of great opportunity for geoscientists who want to grow their skills and capabilities for a long-term career.

For those interested in a career in Research, we will be interviewing outstanding students receiving a MS or PhD in Geology or Geophysics. Fundamental and applied research opportunities exist for applicants in three general areas:

- Hydrocarbon systems research includes, geochemistry, basin evolution, structural dynamics, petrophysics and geomechanics
- Reservoir performance prediction research includes controls on flow in clastic and carbonate reservoirs, geologic modeling and visualization
- Geophysics research includes advanced processing, acquisition, interpretation and modeling of seismic and other geophysical data

Research in all areas includes a significant component of field studies and takes advantage of state-of-the-art analytical and experimental laboratories and processing and numerical modeling capabilities.

For those interested in careers blending Geoscience and Computing, we will be interviewing graduate students receiving a MS degree in Geology or Geophysics who have an interest in computing.

**Candidates for Internships:**

ExxonMobil is dedicated to an ongoing recruiting program and our geoscience internship and recruiting short courses are the primary avenue we utilize to find qualified candidates. Internships (typically three months) and recruiting short courses are available year-round for students participating in BS, MS or PhD programs.

Internships are available throughout the year. Although we will give preference to those students graduating in 2014 or 2015, we will be happy to discuss career opportunities with other students as the interview schedule permits.

**ELIGIBILITY INFORMATION APPLICABLE TO CANDIDATES FOR REGULAR AND INTERNSHIP EMPLOYMENT**

Applicants must have the permanent right to work in the United States. Under very limited circumstances, visa sponsorship may be available for applicants with an MS with significant, relevant work experience and/or a PhD in certain research or geophysical specialty disciplines.

Applicants for internship must have the legal right to work in the U.S. during the period of the internship. If you are interested in regular U.S. employment after your internship, you must be able to meet the regular U.S. hiring criteria at the time of regular U.S. hiring.

Individuals who have authorization to work in countries where ExxonMobil has geoscience staff such as Angola, Nigeria, Europe, Malaysia, Indonesia, Russia, and the Middle Eastern countries, may be considered for employment by our affiliates in these locations and should sign up to interview for such employment. Students currently attending school in the U.S. who have authority to work in one of the above countries and are interested in these opportunities should utilize the [www.exxonmobil.com/apply](http://www.exxonmobil.com/apply) website.