EAPS SEMINARS

No seminars until the Spring 2014 semester

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EAPS PUBLICATIONS


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EAPS PRESENTATIONS

Terry West attended the 125th annual meeting of the Geological Society of America on October 27 – 30, 2013 in Denver, CO. where he presented an oral paper “Verification of A Predictive Model for Locating Subsidence – Prone Underground Coal Mines, Southwest Indiana” by T.R. West and Kelsey Warden. He also attended the Board Meeting of the Environmental and Engineering Geology Division of GSA, and the Senior Fellows Reception.

Terry West attended the annual meeting of the Association of Environmental and Engineering Geologists (AEG) from September 9-14, 2013, in Seattle, WA., where he presented an oral paper “Age Dating of Wood Fragments from Tippecanoe County, Northwest Indiana”. He also received the highest award given by AEG, Honorary Member. Only one of these awards can be granted each year.

Terry West has attended three monthly meetings this Fall of the North Central Section, the Association of Environmental and Engineering Geologists, in Chicago. EAPS students were able to accompany Dr. West to these meetings to meet professional, applied geologists.

From Nov. 18-2, Professor Robert Nowack gave an invited talk at an international workshop entitled “Seismic Interferometry: Crust, Mantle and Core” at the King Abdullah University of Science and Technology (KAUST) in Saudi Arabia. The title of his was "Interferometric redatuming of scattered waveforms from low frequency earthquakes for fine-scale subduction zone structure".

KAUST is a new university founded by King Abdullah of Saudi Arabia in 2007, and is located north of the city of Jeddah along the Red Sea. As of October of this year, the new President of KAUST is Jean-Luc Chameau, the past President of Caltech. Some may recall that Prof. Chameau began his academic career at Purdue University in the Dept. of Civil Engineering (with an office on the ground floor of the HAMP building). Another connection between KAUST and Purdue is that a past President of Purdue, Martin Jischke, is on the current Board of Trustees of KAUST.
STORM-DAMAGED SCIENCE BALLOON RETURNED TO PURDUE BY IU FAN

WEST LAFAYETTE, Ind. — A science balloon launched by Purdue College of Technology students that was damaged by tornado-creating storms has dramatically returned to campus after crash-landing near Kalida, Ohio. The balloon was launched the day before dangerous storms lashed the Midwest. The Association of Mechanical and Electrical Technologists students who launched the balloon lost telemetry high above Peru, Ind. Calculations show it reached almost 100,000 feet, but there was no way to know where jet streams approaching 200 mph sent the balloon.

Friday the Purdue Earth and Atmospheric Sciences Department received a call from a farmer in Ottawa in northwest Ohio who found the balloon in his field. Severe weather had removed the contact information from the gondola. Joseph Recker, an uncle to former IU basketball player Luke Recker, almost ran the balloon over with his combine. He thought it was a party balloon at first, then stopped at the last second when he realized it was something far more important.

The storm had removed the balloon owner's contact information. So Recker pulled the chip out of the video camera hoping to find clues to the origins. His computer wouldn't play the chip, so he took it to his local fertilizer plant where he and others enjoyed the show, including the windy tumultuous launch. The video included an inadvertent "selfie" of the student mounting the camera. Fortunately, he was wearing a Purdue hat. Students in the background were wearing Purdue garb as well. Video clips can be seen at http://www.youtube.com/channel/UCa40x3b-Ozx-MkMk_BoPUjA

Recker hopped on the Purdue website and found the most likely department to launch such a thing. Within an hour the rightful owners called back. He kept the balloon waiting in his garage for the technology students until they could pick it up.

EAPS NEWS

PURDUE RECEPTION AT THE 2013 AGU FALL MEETING

The Purdue Reception at the 2013 AGU Fall Meeting in San Francisco, CA is on Wednesday, December 11 from 7 pm-9:30pm at the Thirsty Bear Brewing Company (661 Howard St). All EAPS faculty, students, and alumni are invited!

UNDERGRADUATE AND GRADUATE STUDENT INFORMATION

NSF AND NASA FUNDED PROGRAMS FOR STUDENTS

Here are links to specific portals for students:

For Undergraduates:
Paid Summer 2014 Undergrad Research Opportunities:
More than 650 programs – REU and other summer research opportunities for undergrads

For Financial Support in Graduate School:
Bridge to the Doctorate, IGERT and NSF Grad Research Fellowship programs provide generous stipend and tuition support for students through the National Science Foundation.

For Postdoc opportunities:
More than 250 openings nationwide.

For NASA-supported internships, fellowships and scholarships

Here is a link to a flyer for you to post or distribute, (attached)

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2014 SUMMER TERM INTERNSHIP/FELLOWSHIP OPPORTUNITIES

The Office of Science / Office of Workforce Development for Teachers and Scientists (WDTS) is pleased to announce that it is accepting applications to its 2014 Summer Term internship/fellowship opportunities at Department of Energy (DOE) Laboratories. These competitive, paid internships, are for 10 weeks during the Summer Term (May to August timeframe), and include support for travel and housing.

The three programs accepting applications are:

- Science Undergraduate Laboratory Internship (SULI). More information about SULI and access to the online application can be found at http://science.energy.gov/wdts/suli/
- Community College Internships (CCI). More information about CCI and access to the online application can be found at http://science.energy.gov/wdts/cc/i/
- Visiting Faculty Program (VFP). More information about the VFP and access to the online application can be found at http://science.energy.gov/wdts/vfp/

Applications for these three programs must be completed and submitted online by 5:00 PM ET on January 10, 2014 (including all required application materials and recommendations).
A Note from Our Academic Counselor

Congratulations to EAPS Undergraduate Candidates for December 2013

Nathan J. Bleeke
Kathryn R. Bosserman
Chase A. Miller

Commencement is Sunday, December 15, 2013, at 2:30 p.m. in the Elliott Hall of Music.

“The horizon leans forward, offering you space to place new steps….” Maya Angelou.

Congratulations to all as they take their new steps.

Spring Break Study Abroad Opportunity in Public Health

The study abroad course is titled: Contemporary Issues in International Public Health. This 3 credit course will be offered in Ireland over spring break in 2014—and is open to freshman.

Contemporary Issues in International Health: [http://www.studyabroad.purdue.edu/programs/flyer.cfm?flyer=1104](http://www.studyabroad.purdue.edu/programs/flyer.cfm?flyer=1104)

Scholarship Money is Available:
Purdue is offering up to a $1,000 travel grant for this spring break program. The deadline to apply for this travel grant is December 15, 2013.


REU in Education Research at North Dakota State University

North Dakota State University is excited to announce the 2nd year of our summer undergraduate research program in discipline-based education at North Dakota State University. Growing up STEM is an excellent opportunity for students interested in the learning and teaching of STEM at the undergraduate level to engage in an immersive, 10-week summer research experience. Our program includes on-campus housing, a $5000 stipend, and is a great opportunity for students to get hands-on research experience as part of a cohort of undergraduate scholars. Students may have the opportunity to present their research at a national conference.


For more information, including descriptions of potential research projects, please visit [http://www.ndsu.edu/cider/reu/](http://www.ndsu.edu/cider/reu/) or Email Warren Christensen (warren.christensen@ndsu.edu) or Jennifer Momsen (jennifer.momsen@ndsu.edu)

Mickey Leland Energy Fellowship Program – Now Accepting Applications for Summer 2014

The Mickey Leland Energy Fellowship (MLEF) Program, sponsored by the Office of Fossil Energy (FE), U.S. Department of Energy, is now accepting applications for a 10-week summer internship. MLEF’s mission is to improve opportunities for women and minority students majoring in Science, Technology, Engineering and Mathematics (STEM) disciplines, but all eligible candidates are encouraged to apply. The program allows students to apply their academic achievements to actual research while gaining hands-on experience.

Selected MLEF Fellows will receive a bi-weekly stipend, approved travel costs to/from their host site and will attend a Technical Forum to present their project at the end of the internship. See flyer in Newsletter.

To qualify for the program, students must:
Be at least 18 years of age
Be a U.S. Citizen
Have a cumulative GPA of 3.0 or higher
Be currently enrolled full-time in an accredited college or university (sophomore year or higher)

December Birthdays
Terri Moore – 2nd
Darryl Granger - 5th
Amy Cooper – 31st
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 Terri Moore (terri@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.
SEARCH for a program . . . find your future!

www.pathwaystoscience.org

Education and career training opportunities in Science, Technology, Engineering & Mathematics (STEM)

Searchable by discipline, keyword, institution or geographic area:

- 650+ Paid summer research experiences for undergraduates
- 300+ Graduate fellowships, mentoring and prof. development opportunities
- 250+ Post-doctoral opportunities
- Sign-up to receive notifications about programs and opportunities!

GRAD and UNDERGRAD Programs Funded by NSF and NASA

a variety of internships, fellowships, and scholarships nationwide in a wide range of STEM and related disciplines

Check out NASA OSSI!

A one-stop-shop for students applying for NASA opportunities

http://intern.nasa.gov/
The Mickey Leland Energy Fellowship (MLEF), sponsored by the U.S. Department of Energy's Office of Fossil Energy, is a 10-week summer internship program that provides opportunities to students who are pursuing degrees in science, technology (IT), engineering, or mathematics (STEM majors). The goal of the program is to improve opportunities for minority and female students in these fields, but all eligible candidates are encouraged to apply. Candidates who are selected will have the opportunity to participate in focused research projects consistent with the mission of the Office of Fossil Energy.

During the 10 weeks, students will be appointed at one of several locations including national laboratories. At the conclusion of the internship, students will attend a "Technical Forum" where they will present their research project and tour technical sites located nearby. The MLEF program allows students to gain valuable experience in DOE/FE mission-related research programs, and offers an "inside view" of federal employment which encourages students to consider future opportunities within the Department of Energy.

Eligibility Requirements
To qualify for the program, students must:
• Be 18 years of age;
• Be a citizen of the United States;
• Be currently enrolled full-time in an accredited college or university (sophomore year or higher);
and
• Have a cumulative GPA of 3.0 or higher.

A Paid Internship Opportunity
Students will be paid:
• A weekly stipend of $600 for undergraduate students;
• A weekly stipend of $750 for Master's students;
• A weekly stipend of $850 for Doctoral and Post-Doctoral students;
• Approved housing allowance based on appointment location;
• Approved travel costs to and from the host site; and
• Approved travel costs to the Technical Forum for presentations and awards.

• Applications accepted from November 15, 2013 through January 10, 2014
• Internship runs from June 2014 to August 2014

For more information about DOE/FE and to complete the MLEF application, please visit our Web page below or contact us at MLEF@hq.doe.gov

http://energy.gov/fe/mickey-leland-energy-fellowship