

October 11, 2010

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## UPCOMING MEETINGS

### Wednesday, October 13

- EAS Primary Committee VOTING meeting, CIVL 3201 (11:30 a.m.)

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## EAS SEMINAR

### Thursday, October 14, at 3:30 p.m. in CIVL 1252:

"Using a Simple Mathematical Model to Understand Arctic Sea Ice Behavior in a Future Warmer Climate." Dorian Abbot, University of Chicago

Refreshments at 3 p.m. in CIVL 2201

For more information, see the EAS online [calendar](#).

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## EAS 226 PRESENTATION

The EAS 226 (sophomore level lab, Intro to Atmospheric Research) is nearing the end of their first research module, and will be presenting "The Warm Rain Process in Convective Clouds Influenced by Regional Aerosol and Climate Change", both in PowerPoint and poster form on Wednesday, October 13 (the day we return from Fall Break), at 3:30 pm in CIVL 4251. Please join us and allow the students to showcase their hard work, and to benefit from interacting with a scientific audience. Refreshments served!

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## OUR RECENT PUBLICATIONS

Chesson L. A., **Bowen G. J.** and Ehleringer J. R., 2010: Analysis of the hydrogen and oxygen stable isotope ratios of beverage waters without prior water extraction using wavelength-scanned cavity ring-down spectroscopy. *Rapid Communications in Mass Spectrometry*, 24, 3205-3213. doi: 10.1002/rcm.4759.

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## RECENT PRESENTATIONS

Terry West attended the Annual AEG meeting (Association of Environmental and Engineering Geologists) in Charleston, South Carolina from September 20 to 25, 2010 and presented a paper entitled, "Delamination of Reinforced Concrete Structures Due to Salt Water Attack, A Case Study, Fort Myers Beach, Florida". He also attended an environmental geology field trip to the Department of

Energy's Savannah River Facility where radioactive weapons were produced during the Cold War and extensive clean up operations are now underway.

Graduate students Ryan Neufelder, Tommy Lovell, and Raul Ochoa and Postdoc Nathan Wilkens attended the American Association of Petroleum Geologists Eastern Section meeting in Kalamazoo, Michigan September 26-28 to give a talk on behalf of their professor, Brenda B. Bowen. The talk was entitled: "Distribution and Abundance of Potentially Reactive Minerals With Geologic CO<sub>2</sub> Sequestration in the Mount Simon - Eau Claire Sedimentary System" by Bowen, B.B., Ochoa, R., Wilkens, N., Neufelder, R., Lahann, R., Brophy, J., Medina, C., and Rupp, J. While at the meeting, they discovered that Brenda was being presented with an award for "Best Poster in the Division of Environmental Geosciences" from the 2009 AAPGES meeting that was in Evansville, Indiana.

D. Sarah Stamps and Assistant Professor Ayhan Irfanoglu from the School of Engineering gave the opening presentation at the 8th annual CINCH conference (Central Indiana Churches for Haiti <http://www.saintmaryhaiti.com/CINCH.htm>) on Sunday, October 3, 2010. Their presentation was entitled, "Scientific background and engineering lessons from the January 20, 2010 Haiti earthquake".

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## OVRP WORKSHOP: RESEARCH INTEGRITY AND REGULATORY REQUIREMENTS

The Office of the Vice President for Research will host a workshop entitled: Research Integrity and Regulatory Requirements on November 3<sup>rd</sup> in STEW 202 from 11:30 a.m. to 1 p.m., lunch provided. The workshop will be an excellent opportunity for new faculty to gain valuable insight and to learn about the resources available to assist in ensuring the integrity of their research. [Read more...](#)

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## EAS LIBRARY'S NEWEST BOOKS

Click [here](#) to see a list of new books in the EAS library in the last two weeks.

## AN ACTIVE WEEK IN BOULDER: UCAR, NCAR, AMS AND AGU

The week of October 4-8 was filled with many activities in Boulder, Colorado, involving Purdue, the COS and EAS. Dean Jeff Roberts (Administrative Representative) and Professor Ernie Agee (Scientific Representative) attended the Annual Member Meeting of UCAR. Also, attending, as a Member of the UCAR President's Advisory Committee on University Relations (PACUR), was Professor Jeff Trapp. The week was also highlighted by the 50th Anniversary Celebration of the founding of UCAR and the establishment of NCAR (see

[http://www.50th.ucar.edu/events/ucar\\_members\\_meeting/](http://www.50th.ucar.edu/events/ucar_members_meeting/))

It is also noted that adjunct EAS faculty member, Noah Diffenbaugh, attended the UCAR meetings as Stanford's Scientific Representative. Further, the biennial meeting of the AMS and AGU Heads and Chairs was hosted by UCAR/NCAR and Professor Jon Harbor was in attendance as our department head.

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## NEW PEOPLE IN EAS

### Zhongfan Liu

#### Postdoctoral Research Associate



Zhongfang is a postdoctoral associate in the Department of Earth and Atmospheric Sciences at Purdue University. He received his M.S. in Physical Geography from

Shanxi Normal University, and his Ph.D. in Physical Geography from the Institute of Tibetan Plateau Research of the Chinese Academy Sciences. His interests are in stable isotope variations in the hydrological processes. During his Ph.D. research, he worked on understanding the climatic controls on stable isotope variations in precipitation and surface water over the Tibetan Plateau. His current research focuses on developing and applying models for the spatial analysis of water isotope data.

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## EAS ALUM RECOGNIZED WITH HOMELAND SECURITY HONOR



Budhendra Bhaduri (PhD '98) of Oak Ridge National Laboratory has been named a recipient of a 2010 Homeland Security Award presented by the Christopher Columbus Fellowship Foundation and AugustaWestland North

America. [Read more...](#)

## FROM OUR BUSINESS OFFICE

In light of the recent travel alerts issued for Europe, there have been discussions on what this means for the form 17 routing process. Travel alerts are very general and do not preclude travel, whereas a Travel Warning is a significant and more specific determination that warrants careful administrative review by Purdue's Security and Risk Assessment Committee.

After consulting with the director of business managers, comptroller, risk management, and the office of the Dean for International Programs, the following business process has changed **effective immediately**:

International Programs will no longer require review of Form 17s for Purdue travelers going to countries tagged with a Travel Alert. In addition, the waivers do not need to be submitted for travel alerts. Only countries with travel "warnings" need to be forwarded and need a signed waiver.

The Form 17 (available from the business office, and online at <http://www.purdue.edu/eas/business/index.php> under *Travel Authorization Request*) has been revised to reflect this decision.



## 2010 GSA Annual Meeting

31 October – 3 November • Denver, Colorado

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## GEOSCIENTISTS IN THE FINANCE SECTOR: GEOCONNECTION CAREER WEBINAR

GeoConnection Webinar - Career Series  
Geoscientists in the Finance Sector  
October 14, 2010: 1:00 - 2:00 pm (US EDT)

Join us to hear speakers discuss their career paths, give an overview of their work environment and daily activities, and provide some tips and advice to students and graduates interested in combining their geoscience background with the exciting and lucrative world of finance. [Read more...](#)

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## A NOTE FROM OUR ACADEMIC COUNSELOR Internships

Discovery Park Undergraduate Research Internship (DURI) and Interns for Indiana Internship (IFI) opportunities are available now. With a part-time

internship you can engage in cutting edge interdisciplinary projects, gain valuable skills and knowledge for a possible career in research or start-up companies, become part of a community of researchers or entrepreneurs, and receive a \$500 scholarship for the Spring Semester. Enrollment in the GS49000 course is required for participation in the internship programs.

You can search project descriptions and submit applications online at <http://www.purdue.edu/dp/duri> or <http://www.purdue.edu/dp/ifi> from October 18-November 12, 2010. Internships begin January 10<sup>th</sup>, 2011. In order to qualify for **DURI**, you must have Sophomore status Spring semester and a minimum 3.0 GPA. In order to qualify for **IFI**, you must have Junior status Spring semester and a minimum 2.8 GPA.

**Informational Callouts will be held in UNIV 101 from 3:30-4:30 p.m. on October 19<sup>th</sup>, October 28<sup>th</sup>, and November 3<sup>rd</sup>.**

**Graduate School Information this Week  
Joint PUGS-PUMA Event on Graduate School  
Information**

Wednesday, **October 13** at 7 p.m. in CIVL 2201, PUGS and PUMA are hosting a joint event to present graduate school information. Dr. Jon Harbor, the head of the Department of Earth and Atmospheric Sciences, will be giving a talk on Graduate Schools. FREE PIZZA and drinks will be provided for all in attendance.

**Workshop on Applying to Graduate School**

Golden Key International Honor Society will hold a workshop on Grad Admissions, Financing your Degree, Interviewing Skills on **October 14**, 2010. Arrive between 4:30 and 5:00 p.m. in Stewart Center, Room 206. Dr. Donald Martin is guest speaker and author of "Road Map for Graduate Study: A Guide for Prospective Graduate Students." The event is free, and you can enter a raffle to win a \$500 book stipend.

**SACNAS Callout**

Thursday, **October 14**, at 5:30 p.m. in LILY 1-117, sponsored by the Society for Advancement of Chicanos and Native Americans in Science. Free food. Contact [sacnas.purdue@gmail.com](mailto:sacnas.purdue@gmail.com) for information. "The mission of the SACNAS is to encourage Chicano/Latino and Native American students to pursue graduate education and obtain the advanced degrees necessary for science research, leadership, and teaching careers at all levels." ([www.sacnas.org](http://www.sacnas.org)).

Nancy

**HAPPY BIRTHDAY!!!**

Carolyn Laffoon – October 13



**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/](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 Gina Richey ([grichey@purdue.edu](mailto: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/resources/it>.

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>.





# ADVANCE Research Open House Oct 19

**Join us to learn about ADVANCE-Purdue's innovative research!**

We will be having short presentations and lots of discussion throughout the afternoon as we describe our research projects and how they will help to improve Purdue University's climate for science, technology, engineering, mathematics, and agriculture faculty. All community members are welcome to drop by -- we look forward to meeting you!

<http://www.purdue.edu/dp/advance/>

**What:** ADVANCE Research Team's Open House

**When:** October 19, 2010

**Where:** West Lafayette Public Library -  
Elm and Walnut rooms  
208 W. Columbia St, West Lafayette

**Time:** 4:00-5:00 pm, drop in and out.

**Other:** Afternoon snacks will be provided.

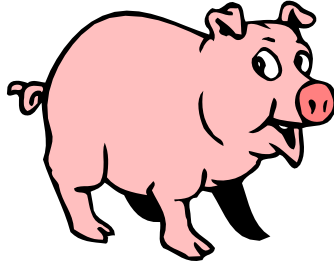
**ADVANCE PURDUE**

**CENTER FOR FACULTY SUCCESS**



This material is based upon work supported by the National Science Foundation under Grant No. HRD 0811194.

# 8<sup>th</sup> Annual EAS/PRIME Lab Hog Roast & Bonfire



**October 23, 2010**  
**5:30pm-??**

At the home of Darryl and Allison Granger  
3025 State Road 25 West  
Shadeland  
471-4654

## **Please Bring:**

A side dish or drinks, and a chair to sit on!

## **Directions:**

From West Lafayette, take 231 S across the river and turn right at State Road 25 W. Continue for about 3 miles (just past the gas station). Look for a white farmhouse on the left and a big red barn.

**Title**

Web Developer Graduate Assistant

**Functions**

Under the supervision of the Director of Information Technology for the Graduate School, the successful candidate will perform the following technical and administrative functions. This position represents one 0.50 FTE, 20 hours per week, and is a fiscal year appointment.

**Responsibilities**

- Perform maintenance work on the various Graduate School Web pages, including such things as updating text and links, removing or adding information, and rearranging basic information layout
- Design, develop, and implement new Web pages
- Work with staff to develop a solution that meets their need, including gaining a proper understanding of their request and timeline, and establishing realistic expectations of the completed project
- Gather feedback from staff during the process and after the implementation of the changes

**Qualifications**

- Enrolled in a degree-granting graduate program at Purdue
- Programming skills to design, develop, and maintain Web pages in a ColdFusion environment
- Proficient in HTML, CSS, and Dreamweaver
- Knowledge in SQL/database design
- Excellent written and oral communication skills
- Excellent analytical and problem solving skills
- Good understanding of customer service
- Good organizational skills
- Experience with ColdFusion and browser compatibility issues helpful
- Experience with graphic design helpful, including use of tools like Photoshop and Fireworks

**Application Procedure**

Submit the following materials to Don Brier, Graduate School Administration, YONG B-89, [brierd@purdue.edu](mailto:brierd@purdue.edu), or 494-0304.

- 1) CV with cover letter highlighting relevant experience and training
- 2) Contact information (name, e-mail, phone) of thesis/dissertation adviser
- 3) Contact information of two additional references

**Deadlines**

Submit CV by October 22, 2010

Interviews will be conducted November 1 – 12

Duties to begin on December 13, 2010 (preferred), but no later than January 3, 2011

## **Title**

Database Programmer Graduate Assistant

## **Functions**

Under the supervision of the Director of Information Technology for the Graduate School, the successful candidate will perform the following technical and administrative functions. This position represents one 0.50 FTE, 20 hours per week, and is a fiscal year appointment.

## **Responsibilities**

- Build PL/SQL procedures for performing various processes related to the Graduate School Database running in Oracle
- Perform maintenance work on the Graduate School Database Web pages that are created through PL/SQL, including such things as removing or adding information or functionality, and rearranging page layout
- Design, develop, and implement new Web pages constructed through PL/SQL
- Work with staff to develop a solution that meets their need, including gaining a proper understanding of their request and timeline, and establishing realistic expectations of the completed project
- Gather feedback from staff during the process and after the implementation of the changes

## **Qualifications**

- Enrolled in a degree-granting graduate program at Purdue
- Programming skills to develop and maintain PL/SQL procedures and packages in Oracle
- Excellent written and oral communication skills
- Excellent analytical and problem solving skills
- Good understanding of customer service
- Good organizational skills
- Proficient in PL/SQL, SQL, and HTML

## **Application Procedure**

Submit the following materials to Don Brier, Graduate School Administration, YONG B-89, [brierd@purdue.edu](mailto:brierd@purdue.edu), or 494-0304.

- 1) CV with cover letter highlighting relevant experience and training
- 2) Contact information (name, e-mail, phone) of thesis/dissertation adviser
- 3) Contact information of two additional references

## **Deadline**

Submit CV by October 29, 2010

Interviews will be conducted November 15 – December 3

Duties to begin on January 3, 2011, or as soon as possible after that date

# Ecological Sciences & Engineering Symposium 2010

**Bridging the Gap from Science to Policy:**

**Technology, Environment, and Sustainable Development**

⇒ **Registration is now open!**

- ⇒ **Call for abstracts for graduate and undergraduate student poster competition until October 21, 2010.**
- ⇒ **Attendance is FREE.**



**OCTOBER 27, 2010**

**Purdue University**

**[www.purdue.edu/esesymposium](http://www.purdue.edu/esesymposium)**