DEPARTMENT NEWS

PUBLICATIONS


37th ANNUAL INDIANA WATER RESOURCES ASSOCIATION

Professors Terry West and Marty Frisbee attended the 37th Annual Indiana Water Resources Association conference held in Pokagon State Park, Angola Indiana on June 8-10, 2016.

They each gave an oral presentation to over 100 attendees. Marty Frisbee’s talk was entitled “What is the Source of Baseflow in Small 1st
Order Tributaries to the Wabash River? Terry West’s talk was entitled “Overloading of Intermittent Stream by Local Waste Water Treatment Plant Tippecanoe County, IN”. The conference included two field investigations, the first on mitigating nonpoint pollution problems in agricultural areas and the second on limiting runoff problems to reduce combined sewer overflow volumes in an urban setting. The membership of IWRA is made up of many different specialties within the water resources community, including government, academic and industrial individuals.

67th ANNUAL MEETING OF THE HIGHWAY GEOLOGY SYMPOSIUM (HGS)

Terry West attended the 67th annual meeting of the Highway Geology Symposium (HGS) in Colorado Springs, CO, from July 11-14, 2016 where he gave the oral presentation “Concerns About Siting an Aggregate Quarry in a Dolomite Reef Deposit, Central Indiana”. He also attended the Steering Committee meeting. The governing body of twenty members that governs the conference. A full day field investigation on applied geology provided a special feature of the Symposium. Full papers from the Symposium are available on line via the HGS website.

UNDERGRAD/GRAD NEWS

AGEP WORKSHOP: EA/EO DISCRIMINATION & HARASSMENT

AGEP is hosting a workshop on Tuesday, August 2, from 11am-12pm, in YONG B64 titled “Graduate Student EA/EO”. This workshop will provide information on the equal access/equal opportunity policies, harassment, discrimination, sexual harassment, retaliation and the process for the resolution of complaints. The Office of Institutional Equity will be presenting this workshop and will be able to answer any questions you might have. Please register by Friday, July 29, 2016 at midnight if you are interested in going. We encourage you to share the attached flyer with students in your area who may be interested in attending and/or include in your weekly announcements.

How to register:
1. Click on the Training @ Purdue registration link
2. Identify the training session by date, time and schedule number - Aug 2, 2016 (Tues., 11 a.m.- 12 p.m.), Schedule # 19182
3. Click “+Add to Cart”
4. Click “Proceed to Checkout”
5. Click “Purdue Account Login”
6. Enter Purdue Career Account login & password
7. Follow the on-screen instructions to complete registration
8. Click “Continue”
9. Select an “Organizational Unit/College” (e.g., College of Engineering)
10. Select a “Department/School” (e.g., Chemical Engineering)
11. Select a “Staff Type” (e.g., Staff – Graduate Research Assistant)
12. Click “Continue”
13. Accept the Terms of Use and click “Continue”
14. Verify you have the correct registration information and click “Submit”
15. You should receive an email confirming your registration

If you experience any problems registering or are unable to register by the deadline, please contact Terri Huddleston at thuddle@purdue.edu and reference schedule #19182.

2016 BIG TEN GRADUATE SCHOOL EXPOSITION

Sunday & Monday Sept. 25-26, 2016

*Key networking opportunities
*Informational workshops
*Premier graduate school fair

http://www.eaps.purdue.edu/
*comprehensive information regarding graduate school education in:
  Engineering - Science - Science-related disciplines - Mathematics - Technology
  
  Please see attached flyer.

---

**PUPS**

**PURDUE UNIVERSITY PLANETARY SCIENCE**

There is a new student club called PUPS (Purdue University Planetary Science) – to provide a sense of community for students who are interested in planetary sciences, as well as, providing encouragement and information about the future of planetary science. The goal is to increase awareness of and the interdisciplinary nature of planetary sciences.

Advisor: Briony Horgan.
E-mail: briony@purdue.edu

---

**SUMMER 3-CREDIT FIELD COURSE OPPORTUNITIES WITH ECOSYSTEM FIELD STUDIES!**

Colorado Ecosystem Field Studies – Study, camp, & hike in the Colorado Rocky Mountains from July 18 – August 6

An opportunity to apply classroom & textbook learning while immersed in an incredible ecosystem setting! Gain valuable career skills in hands-on ecosystem field research. Earn 3 undergraduate transfer credits. Also offering post-course, extended credit options of Independent Research & Conservation Internship. Open to students from all universities & majors. Accredited by the University of Montana at Missoula’s Environmental Studies.
Program: ENST 391- for 3 undergraduate semester transfer credits.

For all course information visit the course website: [www.EcoFS.org](http://www.EcoFS.org) or see the attached flyer. Direct any further questions to Professor Steve Johnson, Course Director at [steve@EcoFS.org](mailto:steve@EcoFS.org)

---

10th ANNUAL GRADUATE CLIMATE CONFERENCE

The 10th Annual Graduate Climate Conference, which will be held **October 28-30, 2016** at the University of Washington Pack Forest Conference Center. The Graduate Climate Conference (GCC) is an interdisciplinary climate conference run by graduate students, for graduate students, with the goal of assembling a broad range of talks and posters featuring high-quality research focused on past, present, and future climate change and its impacts. They encourage students at all stages of their graduate career to apply and we seek abstracts on climate research from a variety of disciplines from the physical, natural, and social sciences and humanities, including: anthropology, atmospheric sciences, biology, Earth and environmental sciences, economics, engineering, ethics, geography, law, oceanography, public policy, and resource management.

They highly encourage abstracts from students with traditionally under-represented backgrounds.

The abstract submission period opens **April 11** and closes **June 1**. Lodging and meals are covered for all participants. Limited travel funding is also available. Please see our website for more information and for submitting abstracts: [www.graduateclimateconference.com](http://www.graduateclimateconference.com)

The GCC 2016 organizing committee.

---

OVERLEAF PRO

The Purdue University Graduate School is providing free Overleaf Pro accounts for all students, faculty and staff who would like to use a collaborative, online LaTeX editor for their projects, presentations and papers. See flyer for details.

---

[http://www.eaps.purdue.edu/](http://www.eaps.purdue.edu/)
HARRY S. TRUMAN FELLOWSHIP

Sandia National Laboratories is beginning its ad campaign to attract qualified candidates for its President Harry S. Truman Fellowship in National Security Science and Engineering. The deadline for proposal submission is November 1, 2016. Attached is a letter that was sent from Marcey Hoover (a Purdue grad) to Dean Svensson and a flyer that I hope you will share with qualified individuals in your programs.

The flyer contains a link to the Sandia web site which explains the Truman Fellowship in more detail. If you need additional information, please contact Yolanda Moreno (ymoreno@sandia.gov).

See attached letter/flyer.

“SKILLS PERFORMANCE” TRAINING OPPORTUNITIES AVAILABLE FOR STAFF

Purdue University - Training offers a wide selection of extension courses for both personal and professional growth. Taught by experts in their fields, the courses provide practical, hands-on experience. And, best of all, anyone can afford them. Take a look through their online catalog for courses that interest you. Then, register for the courses you want right now using the web site below!

Please click here to sign up for upcoming classes: https://www.eventreg.purdue.edu/training/Home.aspx

COSINE

Cosine is a FREE evening science help center

COSINE (College of Science Instructional Nightly Enrichment) is a free tutoring program to help students in first-year courses in Biology, Chemistry and Math. COSINE offers evening tutoring right in your own backyard. Our goal is to help you develop problem-solving skills needed to do your homework. Please visit their summer location for assistance. COSINE at Shreve Hall URSC (you may enter from the new dedicated entrance on 3rd street) from 6 - 9 pm on Tuesdays, Wednesdays, and Thursdays of summer school. Tutors will be available beginning June 14, 2016.

*** For optimal tutoring results, bring your textbook and class notes. ***

ENDOWMENT FUND CREATED IN REMEMBRANCE OF PAUL BIRKHIMER (SUZANNE ZURN-BIRKHIMER’S HUSBAND)

As you may know, Paul Birkhimer, Suzanne Zum-Birkhimer’s husband, lost his battle with pancreatic cancer last summer. An endowment has been set up in his name, with the funds being intended to support the professional development for advisors in the School of Engineering Education, Paul’s home school, where he was an advisor in the First Year Engineering Program. If you would like to contribute to this endowment, you may use the online form at https://goo.gl/tiq42I or you can set up a payroll deduction online.

Group trainings may be requested by sending an email to IRBCoeusLiteTraining@purdue.edu, or calling the HRPP office at 765-494-5942.

SUMMER WORKSHOP IN MATHEMATICAL MODELING OF EARTH’S DYNAMIC SYSTEMS

This workshop will be an intense, hands-on introduction to the creation and use of numerical models as a method for investigating the dynamics of Earth systems. Participants will learn how to translate their understanding of Earth processes into systems of differential equations, and solve them to test hypotheses concerning both modern and ancient systems. In addition, participants will learn how to apply and evaluate selected existing Earth system models. The short course is open to graduate students and faculty. The event is from July 31- Aug 5, 2016 in University Park, PA. See the
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 http://www.eaps.purdue.edu/news/newsletters.html and Click on News to access active links as needed. Material for inclusion in the newsletter should be submitted to Fallon McQuern (fmcquern@purdue.edu) by 5:00pm on 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.eaps.purdue.edu/resources/information_technology/index.htm

Also, as an additional resource for information about departmental events, seminars, etc., see our departmental calendar at http://www.EAPS.purdue.edu/events-calendar.html
Purdue Alumni & Friends Reception
at the Geological Society of America Meeting

Join us for a special reception for alumni and friends of the Purdue University Department of Earth, Atmospheric, and Planetary Sciences. Enjoy great food and drinks, as well an opportunity to reconnect and network with your fellow Purdue alumni, faculty and students.

MONDAY
SEPTEMBER 26, 2016
7:00 - 9:00 p.m.
Hyatt Regency Denver
Colorado Convention Center
Mineral Hall C
“There was a lot of really great information about applying for and being successful in grad school that is hard to find elsewhere.”

2015 Student Attendee

Take advantage of:

- Key networking opportunities
- Informational workshops
- Premier graduate school fair
- Comprehensive information regarding graduate school education in:
  - Engineering
  - Mathematics
  - Science
  - Technology
  - Science-related disciplines

Concerned about the cost to attend?

Travel Scholarships Available - Details at website below

www.purdue.edu/gradexpo

An equal access/equal opportunity university
AGEP WORKSHOP: GRAD STUDENT EA/EO

Tuesday, August 2
11am – 12pm

Young Hall, room B64

Presented by the Office of the VP for Ethics & Compliance

The Graduate Student EA/EO Harassment and Discrimination: Prevention and Response session is designed to provide graduate students with a foundation in the areas of equal access and equal opportunity. Information on discrimination, harassment, sexual harassment, Title IX, disabilities, retaliation and the process at the University for the resolution of complaints will be presented.

How to register:

1. Click on the Training @ Purdue registration link
2. Identify the training session by date, time and schedule number - Aug 2, 2016 (Tues., 11 a.m.- 12 p.m.), Schedule # 19182
3. Click “+Add to Cart”
4. Click “Proceed to Checkout”
5. Click “Purdue Account Login”
6. Enter Purdue Career Account login & password
7. Follow the on-screen instructions to complete registration
8. Click “Continue”
9. Select an “Organizational Unit/College” (e.g., College of Engineering)
10. Select a “Department/School” (e.g., Chemical Engineering)
11. Select a “Staff Type” (e.g., Staff – Graduate Research Assistant)
12. Click “Continue”
13. Accept the Terms of Use and click “Continue”
14. Verify you have the correct registration information and click “Submit”
15. You should receive an email confirming your registration

Please register by midnight, Friday, July 29, 2016

• ALLIANCE FOR GRADUATE EDUCATION & PROFESSORIATE (AGEP)
July 25, 2016

Dr. Craig Svensson
Interim Dean, College of Science
Purdue University
560 Oval Drive
West Lafayette, IN 47907-2084

Dear Dr. Svensson,

Sandia National Laboratories is seeking candidates for the President Harry S. Truman Fellowship in National Security Science and Engineering, a three-year appointment allowing recipients to pursue independent research that supports Sandia's national security mission. We ask that you encourage your top PhD students in science or engineering to apply. Please share this information with those top PhD students, deans, department chairs, faculty, research center directors, graduate studies offices, fellowship offices, and professional societies. We are proud to have selected Truman Fellows from Caltech, Georgia Tech, Stanford, University of Colorado-Boulder, and University of Texas-Austin, among others. This past year, we were pleased to also select our first Truman Fellow from Purdue!

Truman Fellowship candidates are expected to have solved a major scientific or engineering problem in their thesis work or will have provided a new approach or insight to a major problem, as evidenced by a recognized impact in their field. Fellows may work at either principal location, Albuquerque, NM or Livermore, CA. The salary is $111,200. Candidates must be able to obtain a security clearance and be seeking their first national laboratory appointment. They must have been awarded a PhD (with strong academic standing) within three years at the time of application or will have completed all PhD requirements by commencement of the appointment. Applications are due November 1, 2016.

For questions on the application process, please contact Carmen Hagin at 505.845.8255 or chagin@sandia.gov. For research mentor or technical questions, contact Yolanda Moreno at 505.284.2106 or ymoreno@sandia.gov. Complete application information is available at:
http://www.sandia.gov/careers/students_postdocs/fellowships/truman_fellowship.html

Sincerely,

[Signature]

Enclosure: Truman Ad
President Harry S. Truman Fellowship in National Security Science and Engineering

Seeking Applicants!

Sandia National Laboratories is seeking applicants for the President Harry S. Truman Fellowship in National Security Science and Engineering. Candidates for this position are expected to have solved a major scientific or engineering problem in their thesis work or have provided a new approach or insight to a major problem, as evidenced by a recognized impact in their field.

The Fellowship provides the opportunity for new Ph.D. scientists and engineers to pursue independent research of their own choosing that supports Sandia’s national security mission. The appointee is expected to foster creativity and to stimulate exploration of forefront science and technology and high-risk, potentially high-value research and development.

Sandia’s research focus areas are: bioscience, computing and information science, engineering science, materials science, nanodevices and microsystems, radiation effects and high energy density physics, and geosciences. To learn more about additional R&D programs that support Sandia’s mission areas, please visit: sandia.gov/missions

The Truman Fellowship is a three-year appointment. The salary is $111,200 plus benefits and additional funding for the chosen proposal. The deadline is November 1 of each year and normally begins on October 1 the following year.

Requirements:

Candidates must meet the following requirements:

• Ability to obtain a DOE “Q” clearance
• Ph.D. (3.5 undergraduate and 3.7 graduate GPA preferred) awarded within the past three years at the time of application or completed Ph.D. requirements by commencement of appointment.
• Candidates must be seeking their first national laboratory appointment (no previous postdoctoral appointments at a national laboratory).

For more information, visit: http://sandia.gov/careers/students_postdocs/fellowships/truman_fellowship.html

Apply online: sandia.gov/careers

Click on “View all Jobs” Search “Truman Fellowship” or Job ID: 653576

VISION
On behalf of our nation, we anticipate and solve the most challenging problems that threaten security in the 21st century.

MISSION
The synergy and interdependence between our nuclear deterrence mission and broader national security missions forge a robust capability base and empower us to solve complex national security problems.

VALUES
Sandia’s five core values inform our daily decisions, shape our performance, and enable us to achieve success as one lab.

• We serve the nation
• We team to deliver with excellence
• We respect each other
• We act with integrity
• We live safe and healthy lives

Equal opportunity employer/Disability/Vet/GLBT 05/2016
Sandia National Laboratories is a multiple-program laboratory managed and operated by Sandia Corporation, a wholly owned subsidiary of Lockheed Martin Corporation for the U.S. Department of Energy’s National Security Administration under contract DE-AC04-94AL85000. SAND2015-4263M