

# EAPS WEEKLY NEWSLETTER

20 June 2016 | [EAPS on Facebook](#) | [EAPS on Twitter](#)

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## WATER GONE AWRY

The Purdue College of Science Spring edition of Insights magazine focused several articles on sustainability issues. One story featured research from EAPS Assistant Professor Marty Frisbee. He studies the interactions between groundwater and surface water of rivers and streams. He and Kerry Rabenold, professor emeritus from the Department of Biological Sciences, spoke with Tim Brouk and discussed growing concerns as they relate to our global water supply and ways to better manage water resources.

Read the full article at:  
<http://purdueinsights.freeflowdp.com/purdueinsights/7566424464779141?pg=12#pg12>

## PURDUE TEAM'S RESEARCH HIGHLIGHTED

A Purdue research team, comprised of Indrajeet Chaubey, EAPS Dept. Head/Prof. and Prof. Agricultural and Biological Engineering; Raj Cibin, Prof. Agricultural and Biological Engineering; and Agronomy professors, Elizabeth Trybula, Sylvie M. Brouder, and Jeffrey J. Volencwas, was recently featured on the cover of the GCB-Bioenergy Journal. Their article is titled "*Watershed scale*



## EAPS MEETINGS & EVENTS

### EAPS FACULTY & STAFF FALL RETREAT

**August 18, 2016**

Beck Ag Center, Rm 111  
8:30 AM – 4:00 PM

### EAPS FALL WELCOME BACK PICNIC

**August 18, 2016**

Happy Hollow Park, Shelter 1  
4:30 – 7:00 PM

### FALL 2016 - PRIMARY COMMITTEE MEETINGS

**September 6, 2016**

3:00 PM  
HAMP 3201

### FALL 2016 - FACULTY MEETINGS

**Tuesday, Sept. 13, 2016**

**Tuesday, Oct. 18, 2016**

**Tuesday, Nov. 29, 2016**

3:00 PM  
HAMP 3201

## IMPORTANT ANNOUNCEMENT

### DEADLINE APPROACHING FOR CLERICAL, SERVICE STAFF TO USE PERSONAL HOLIDAY

Clerical and service staff must use their fiscal year 2015-16 personal holiday no later than **June 30**. The paid personal holiday does not carry over from one fiscal year to the next.

impacts of bioenergy crops on hydrology and water quality using improved SWAT model".

They are studying the impacts that bioenergy crop production may have on watershed hydrology and water quality.

Read the entire paper online at <http://onlinelibrary.wiley.com/doi/10.1111/gcbb.12307/full>.

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## PUBLICATIONS

Zhu, X., and Q. Zhuang (2016), Relative importance between biogeochemical and biogeophysical effects in regulating terrestrial ecosystem-climate feedback in northern high latitudes, *J. Geophys. Res. Atmos.*, 121, doi:10.1002/2016JD024814.

Lu, X., Q. Zhuang, Y. Liu, Y. Zhou, and A. Aghakouchak (2016), A large-scale methane model by incorporating the surface water transport, *J. Geophys. Res. Biogeosci.*, 121, doi:10.1002/2016JG003321.



## UNDERGRAD/GRAD NEWS

### 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](mailto: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

**June 21 – July 10 or 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)

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## 10<sup>th</sup> ANNUAL GRADUATE CLIMATE CONFERENCE

The 10<sup>th</sup> 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.

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### 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.



### "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>

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### 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. \*\*\*



### OTHER NEWS

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

As you may know, Paul Birkhimer, Suzanne Zurn-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/tiq42l> or you can set up a payroll deduction online.

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

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### 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 attached flyer for additional details and registration information.

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### JOB OPPORTUNITY

Aqsa School is looking to hire a female Earth and Atmospheric Science teacher for the 2016-2017 school year. She would teach one section of high school Earth and Atmospheric, one section of honors Earth and Atmospheric, and one section of 6th grade Earth and Space. She may also teach a section of 8th grade Physical Science. Because we are a private school, an Illinois teaching license is not required; the Indiana license that they earn upon graduating is sufficient.

### FULL TIME JOB OPPORTUNITY FOR EARTH AND ATMOSPHERIC SCIENCE TEACHER

Aqsa School boasts small class sizes and a warm, family atmosphere. Our students annually earn top scholarships and awards in science, English, history, and math. Our parent committee, the Mothers Club, is very supportive of the science department and has a history of finding extra money to make sure we have sufficient resources for our classes, clubs, and competitions. As a member of the Aqsa staff, teachers would be joining the ranks of a dynamic team that includes a Golden Apple winner, and a principal who was recently honored with the Education Excellence Award.

Those interested in applying should send their resume to [info@aqsa.edu](mailto:info@aqsa.edu).

#### 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](mailto:fmcquern@purdue.edu)) by 5:00pm on Thursday of each week for inclusion in the Monday issue.

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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:

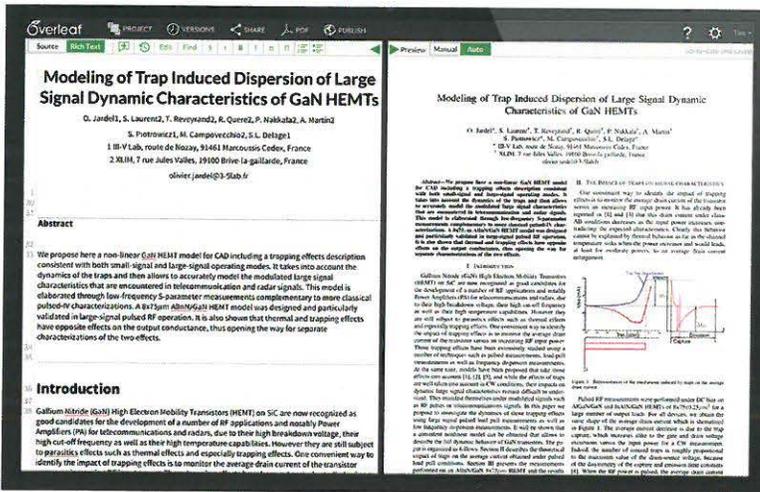
[http://www.eaps.purdue.edu/resources/information\\_technology/index.htm](http://www.eaps.purdue.edu/resources/information_technology/index.htm)

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>



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create



present



publish



teach

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.

Overleaf is designed to make the process of writing, editing and producing your research papers and project reports much quicker and easier for you and your collaborators. Overleaf also links to other services such as Mendeley, Git and Plot.ly to best fit into your workflow.

**FACULTY:** Teaching accounts are available to create, distribute, and review assignments.



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