

March 23, 2015

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## UPCOMING EAPS MEETINGS

### SPRING FACULTY MEETING SCHEDULE

March 24<sup>th</sup> & April 14<sup>th</sup>, 2015  
3:00-4:30 p.m.  
HAMP 3201

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### EAPS DISTINGUISHED SCIENCE ALUMNI AWARD RECEPTION

April 17, 2015

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### EAPS ANNUAL AWARDS BANQUET

April 20, 2015  
*Ross-Ade Pavilion*  
5:30-9:00 p.m.

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### EAPS ALUMNI ADVISORY BOARD MEETING

April 21, 2015

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### SPRING 2015 FINAL EXAMS

May 4<sup>th</sup> - 9<sup>th</sup>, 2015

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### COLLEGE OF SCIENCE COMMENCEMENT DATE

May 17, 2015  
*Elliott Hall of Music*  
2:00 p.m.

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### EAPS COLLOQUIA

Dr. Brent Newman  
Los Alamos National Labs  
*"Hydrological and Biochemical Characterization of the  
Danube River System using Isotopes"*  
**Thursday, Mar. 26, 2015**  
3:30 PM  
HAMP 1252

## UNDERGRADUATE AND GRADUATE STUDENT INFORMATION

### FALL AND SUMMER 2015 REGISTRATION

Undergraduate students will start to register for Purdue fall and summer 2015 classes beginning **March 24, 2015**.

Registration "weeks" are based on current semester classifications and will continue through **April 25<sup>th</sup>**. Open registration (open to all) will begin **April 27<sup>th</sup>**.

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### PURDUE UNIVERSITY GEOLOGICAL SOCIETY (PUGS)

PUGS is participating in this year's *Relay for Life* to raise money and awareness for the American Cancer Society; their goal is **\$1,000**.

Almost all of us have been touched by cancer in some way, so they've decided to make a difference by raising money and walking in our campus *American Cancer Society Relay For Life* event.

At the event, their team will take turns walking around the track to raise money and awareness to help the American Cancer Society in the world's largest movement to end cancer.

Their team is taking action to help finish the fight and prove that our generation is making a difference. Please join their team or make a donation. Saving lives from cancer starts with one team, one participant, and one dollar at a time.

You can find more information here:

<http://goo.gl/LbO813>

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### CAREERWISE TRAINING PROGRAM

The CareerWISE laboratory would like to introduce you to the newly expanded CareerWISE resilience training program. CareerWISE is an evidence-based and freely available online resource that assists women in science and engineering fields to progress through their PhD programs and prepare for future career environments. Developed at Arizona State University with the generous support of the National Science Foundation, the program is the first of its kind - an online, anytime coach customized for women pursuing PhDs in STEM fields.

Since its first release with a 2010 press conference at NSF, CareerWISE has been used by tens of thousands of individuals in over 130 countries. Its effectiveness in strengthening resilience, self-efficacy, problem solving, and interpersonal communication skills, all linked to persistence in education and careers, has been demonstrated in key studies, including nationwide randomized controlled trials.

Some details and benefits to students using the CareerWISE resource:

- Develops specific skills related to self-understanding, personal and interpersonal problem solving, and communication.
- Highlights skills in the context of four common concerns: strengthening working relationships with advisors, juggling academic and personal commitments, navigating a climate that can be unfriendly to women and managing delays and setbacks that are common in the course of pursuing research.
- Offers interactive, live actor-based simulations to practice interpersonal communication skills for Active Listening, Self-Expression, and Receiving and Responding to Feedback.
- Features over 180 HerStory video clips from interviews with women who have successfully navigated the hurdles of graduate school in a variety of STEM fields.

They invite you to familiarize yourself with the CareerWISE resource and recommend it to your students in your program. Attached is a recent news column that features CareerWISE and a brief guide that highlights popular sections of the resource. Please help them share the CareerWISE resource by forwarding this email to your students.

The CareerWISE team welcomes your questions and comments. You can reach us at [careerwise@asu.edu](mailto:careerwise@asu.edu) or find them on Facebook.

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**INDIANA ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS' (INAEP'S) SCHOLARSHIP SOLICITATION**

The Indiana Association of Environmental Professional (INAEP) is proud to announce this solicitation for scholarship applications for the **2015/2016** academic year.

The INAEP will be awarding two **\$2,000** scholarships, one for undergraduate studies and one for graduate studies. This scholarship is intended to promote and support the training of new environmental professionals in the State of Indiana.

Applicants must be:

Currently enrolled at an Indiana college or university as a full-time undergraduate (sophomore or higher level) or about

to begin or in the process of earning a graduate degree; Pursuing a degree in an environmental-related field; Possess a GPA of 2.9 or higher and plan to reside and work in Indiana following graduation Scholarship application forms and submittal guidelines are available on the INAEP's new website (<http://www.inaep.info/>).

Applications must be submitted no later than:

**Friday, March 27, 2015 by 5:00 PM**

Questions may be sent to Christy Darst, INAEP Vice President, at [Christy\\_Darst@efiglocal.com](mailto:Christy_Darst@efiglocal.com)

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**SUMMER DATA SCIENCE FELLOWSHIP OPPORTUNITY**

Program: The Data Incubator is an intensive 7 week fellowship that prepares masters, PhDs, and postdocs in STEM + social science fields seeking industry careers as data scientists. The program is free for fellows and supported by sponsorships from dozens of employers across multiple industries. In response to the overwhelming interest in our earlier sessions, we will be holding another fellowship.

Locations: There will be both an in-person (in NYC, DC, SF) and online section of the fellowship. There is a common application for both the online and in-person sections.

Dates: All sections will be from **June 1, 2015 to July 17, 2015.**

Application Link:

<http://www.thedataincubator.com/#apply?ref=wdGVlEBWdXJkdWUuZWR1>

Who should apply: Anyone within one year of graduating from a masters or PhD program or who has already obtained a masters or PhD is welcome to apply.

Applications from international students are welcome. Everyone else is encouraged to sign-up for a future session.

For additional information, checkout our blog, Venture Beat article, or Harvard Business Review piece.



### IMPORTANT NOTICE ABOUT THIS NEWSLETTER

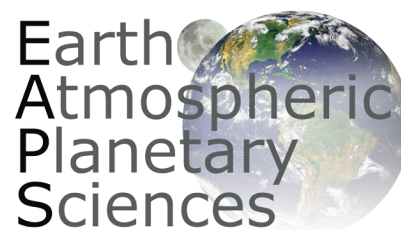
This newsletter is used as the primary information source for current and upcoming events, announcements, awards, grant opportunities, and other happenings in our department and around campus. Active links to additional information will be provided as needed. Individual email announcements will no longer 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 Fallon McQuern ([fmcquern@purdue.edu](mailto: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.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, etc., see our departmental calendar at <http://calendar.science.purdue.edu/eas/seminars>.



# Departmental Colloquium



## Hydrological and Biogeochemical Characterization of the Danube River System Using Isotopes

**Brent Newman**  
Los Alamos National Laboratory

Meeting Danube Basin water resources monitoring and management objectives such as those implied by the European Union Water Framework Directive, requires a comprehensive understanding about the hydrological and biogeochemical functioning of not only the river system, but also the connections between groundwater and surface water across the basin. While hydraulic and geochemical measurements can provide some of this understanding it is often difficult to obtain knowledge about some of the more critical aspects of basin functioning or it can take decades of intensive monitoring before adequate interpretations can be made. Isotope hydrology approaches can often provide critical insights on surface water/groundwater interactions and biogeochemical cycling with only moderate effort and cost. Such information can help clarify local behaviors as well as overall basin responses. Approaches using “environmental” stable- and radioactive-isotopes (i.e., isotopes that are already in the environment and not intentionally applied) have been used to understand sources and losses of water in the Danube, the importance of groundwater discharge, basin residence times, tributary mixing, and nitrate cycling. This presentation discusses a variety of isotope approaches that reveal important spatial and temporal dynamics occurring in the Danube River, tributaries, and across the basin.

**Thursday, March 26, 2015**  
**3:30 p.m.**  
**Room 1252 HAMP**

***Refreshments at 3:00 pm***  
***Room 2201/HAMP***

**PURDUE**  
UNIVERSITY