EAPS WEEKLY NEWSLETTER

26 Feb. 2018 | EAPS on Facebook | EAPS on Twitter

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DEPARTMENT NEWS

INSIDE EAPS NEWSLETTER

Read all of the latest news in our department magazine, Inside EAPS, including Antarctica research, public outreach, and clean energy for hybrid vehicles. The latest version of Inside EAPS newsletter can be found here:
https://goo.gl/47U9yP

BE SURE TO CHECK OUT ALL OF THE EAPS COMMUNICATIONS MEDIA!

Facebook
Twitter
Department Magazine
Website News

EAPS SEMINARS

Karen Kosiba
Center for Severe Weather Research
Feb. 27, 2018
1:30 PM
HAMP 2201

EAPS MEETINGS & EVENTS

EAPS FACULTY MEETINGS

Mar. 6, 2018
Mar. 27, 2018
3:00-4:30 PM
HAMP 3201

CoS FACULTY MEETINGS

April 17, 2018
3:30-4:30 PM
TBD

EAPS PRIMARY COMMITTEE MEETING

Apr. 3, 2018
3:00-5:00 PM
HAMP 3201

EAPS AWARDS BANQUET

Apr. 23, 2018
5:30 - 9:00 PM
Buchanon Club, Ross-Ade Pavilion

EAPS ALUMNI ADVISORY BOARD MEETING

Apr. 24, 2018
8:30 AM - 4:30 PM
HAMP 2201

http://www.eaps.purdue.edu/
Patrick Boehnke
Geochronology faculty candidate
University of Chicago
Feb. 27, 2018
3:30 PM
HAMP 2201

Linda Kah
University of Tennessee, Knoxville
Mar. 1, 2018
3:30 PM
HAMP 1252

James Chapman
Geochronology faculty candidate
University of Arizona
Mar. 2, 2018
10:30 AM
HAMP 2201

**MS DEFENSES**

Patrick Saunders
March 27, 2018
9:00 AM
HAMP 4173

Kevin Burris
March 29, 2018
8:00 AM
HAMP 2107

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**SUMMER FELLOWSHIP (PAID) OPPORTUNITY AT VIRGINIA TECH**

https://vtconfluence-reeu.weebly.com/

Announcing their new USDA-funded research & extension experiences for undergraduates (reeu), training future leaders to solve resource challenges at the confluence of water and society.

and part-time staff members ($9/hr.) in order to accommodate students who are taking summer classes. The callouts for the position are on February 26th and 27th at 6pm in PHYS 203 (see attached flyer and job description for additional details).

The application will open on **Wednesday, February 28th** at 12pm and will close on **Sunday, March 18th** at 11:59p.m. Application information can be found at http://www.purdue.edu/orientation/star/ambassadors.html

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**APA/MLA STYLE AND CITATION PRACTICES**

**Wednesday, March 7th | 1:30 – 2:30 PM**

HEAV 220

To get the most out of this workshop, bring a draft. Join us to learn more about using sources in your writing, from your introduction to your bibliography. We will focus specifically on MLA and APA styles.

Free and open to all Purdue students, staff and faculty. Registration is required, so sign up online at https://cla.purdue.edu/wlschedule/ and choose the “Group Workshops” schedule from the menu.

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**2018 CLIMATE DYNAMICS SUMMER INTERNSHIP PROGRAM FOR UNDERGRADUATE STUDENTS**

Are you in your junior year, have a strong interest in Atmospheric or Oceanic Science, and strong quantitative skills?

The department of Atmospheric, Oceanic, & Earth Sciences at George Mason University is accepting applications from undergraduate students in their third/penultimate year for a six-week summer internship position from **Monday, June 25 to Friday August 3, 2018**. Successful applicants will participate in a six-week research project under the supervision of one of our Climate Dynamics Faculty. They are looking for qualified students interested in the field of Climate Dynamics and gaining research experience. The two successful applicants will receive accommodation at George Mason University for the duration of the internship, and a $2400 stipend (*note travel costs will not be
covered). Interested applicants should apply through the following link before March 11: https://goo.gl/forms/bx7YCXCdX7nU4SYE3

If you have any questions please email: Natalie Burls – nburls@gmu.edu

For more information about our department, faculty and students visit: https://cos.gmu.edu/aoes/

PAID SUMMER INTERNSHIP IN INDIANAPOLIS!

Project transformation Indiana is a nonprofit looking to hire college students for their paid summer internship in Indianapolis. This opportunity provides a stipend, housing, and most meals during the summer!! The internship involves working in a team to run a summer camp for elementary-age students in low-income communities. The day camp includes a variety of enrichment activities for the children with a focus on literacy, including daily reading with volunteers to address the summer slide. On Fridays, instead of camp for the elementary kids, interns get to tour nonprofit, ministry, and service settings around Indianapolis to explore their calling. During the summer, interns live in community together eating meals, hanging out, and having a weekly worship service together. This internship is a full-time commitment from May 29th until August 4th in Indianapolis. This is more than just a summer job; it is an opportunity to enter into new relationships, explore your calling, engage in a summer of service, and hopefully experience transformation! This internship is open to students of all majors and is an especially ideal opportunity for those interested in education, nonprofits, ministry, and service.

Please consider applying to spend your summer with Project Transformation Indiana! If you have questions or need to know more, email galloway@ptindiana.org

They are already accepting applications and interviewing for summer 2018! Here is the website to find out more information and find the application for the summer https://projecttransformation.org/indiana/

CALLING ALL GRADUATE STUDENTS AND EARLY CAREER SCIENTISTS!

The second ARM Summer Training and Science Applications event on observations and modeling of clouds and precipitation will take place July 14 to 21, 2018. The training will be held at the National Weather Center in Norman, Oklahoma.

Deadline to apply is March 30, 2018.

Sponsored by the ARM Climate Research Facility to support the next generation of atmospheric scientists, this training will cater to graduate students and early career scientists (within four years of receiving their PhD) who are interested in observations and modeling of aerosols and cloud and precipitation processes.

The summer training will provide theoretical and practical instruction on the application of ground-based observations from a wide array of active and passive sensors and will encourage innovative methods for using ARM facilities to address complex scientific inquiries.

Submit your application (i.e., a one-page motivation letter, one recommendation letter, and curriculum vitae [CV]) in a single PDF to Sarah Fillmore at sarah.fillmore@pnnl.gov. Selected participants will have their accommodation expenses covered by the ARM Facility.

Read more about the topics that will be covered during the event: https://www.arm.gov/news/facility/post/47506

DISCUSSION GROUPS AT PURDUE COUNSELING AND GUIDANCE CENTER

If you are stressed about a romantic breakup, or are grieving the loss of someone important to you, the Purdue Counseling and Guidance Center (PCGC) can help. The PCGC will be offering discussion groups on each of these topics on Wednesday nights, the next being April 25th. Each
night will start with a free meal from 6:00 to 6:30pm and the groups will be from 6:30 to 8:00pm.

Topics for the groups are as follows:

* Grief discussion group—opportunity for college students who have experienced the death of someone important to them to talk about their experiences with grieving during college, with an emphasis on the uniqueness of grief.

* Romantic breakup discussion group—opportunity for college students who have recently experienced a breakup to talk about their reactions and responses, with an emphasis on the losses and gains that are often connected with the ending of significant relationships.

Students interested in attending one of these groups must contact the PCGC—spaces are limited. For more information and/or to sign up, call 494-9738. Limited spaces are also available for individual counseling for general concerns. Our email address is pcgc@purdue.edu and our website is www.edst.purdue.edu/pcgc.

**PURDUE UNDERGRADUATE RESEARCH CONFERENCE—NOW ACCEPTING PAPERS & ABSTRACTS**

The Purdue Undergraduate Research Conference (formerly the Purdue Undergraduate Research Symposium) is scheduled for April 10, 2018 and they are now accepting papers and abstracts for oral presentations and posters at the conference. For the submission site and “How to” guide, visit: http://purdue.edu/undergrad-research. Please see attached flier for more details.

**CROSSROADS GEOLOGY CONFERENCE**

**MARCH 23 & 24, 2018**

**INDIANA UNIVERSITY, BLOOMINGTON, INDIANA**

Abstract Deadline: **March 10, 2018**!

The student members of the Rho chapter of Sigma Gamma Epsilon at Indiana University invite you to participate in the annual Crossroads Geology Conference at Indiana University. This conference is a student-organized event featuring research presentations by graduate and undergraduate students in the geological, atmospheric, and environmental sciences from a number of regional colleges and universities, at Indiana University in Bloomington.

For more information, please see http://www.indiana.edu/~sgeweb1/

**ENTERPRISE AND THE ENVIRONMENT SUMMER SCHOOL**

July 1-13, 2018

The Smith School of Enterprise and the Environment at the University of Oxford. We would like to invite students at the Purdue department for earth, atmospheric and planetary sciences to apply for our Enterprise and the Environment Summer School which will take place from 1st - 13th July 2018 in Oxford. It is a summer school intended for undergraduates, as well as recent graduates passionate about leading environmental change in business, society and government. See attached for more information.

**GLOBAL SCIENCE PARTNERSHIPS LEARNING COMMUNITY**

Attention: all first year college of science students! See the attached flier for information about free dinners, trips, and activities that are designed to help you learn about other cultures…while having fun!

POC: Terry Ham: hamt@purdue.edu or globalsciencepartners@purdue.edu

**BOILER WELLNESS E-NEWSLETTER**

Please check out the attached January Boiler Wellness E-Newsletter. In it, you will find information about upcoming Mindfulness, Resilience and Crave Series, the Lunch and Learns, and the Crockpot Meals.

http://www.eaps.purdue.edu/
2018 SUMMER RESEARCH EXPERIENCES FOR UNDERGRADUATES PROGRAM

The 2018 Summer Research Experiences for Undergraduates (REU) Program in climate change in semi-arid regions hosted by the Environmental Science Institute at the University of Texas at Austin. The program is currently in its 15th year, with 130 alumni, many of whom have presented the results of their REU research at national conferences and/or published in peer reviewed journals.

The program is aimed at rising juniors and seniors and open to students who are US citizens in good academic standing. We especially invite applications from members of traditionally underrepresented groups.

Please feel free to download the program flyer and share widely with students who may be interested in this program. Program information, including the online application, can be found on our website.

PURDUE TO ADD TWO-FACTOR AUTHENTICATION FOR ALL FACULTY AND STAFF DURING SPRING SEMESTER

Coming soon, all of Purdue’s faculty and staff will need to begin using two-factor authentication, known at Purdue as BoilerKey, to log into the new employee portal, SuccessFactors, improving security of personal and University data alike. Signup for BoilerKey is now ready for all Purdue employees at www.purdue.edu/boilerkey. Purdue faculty and staff can expect reminders to sign up in the form of direct emails, social media posts and Purdue Today articles to give instructions on how and where to sign up throughout the coming spring semester. The employee portal allows employees to create leave requests and check paystubs. It also handles many of the University’s business functions.

BoilerKey adds a second login requirement to go with your password. At Purdue, it’s a numerical code randomly generated on a smartphone app called Duo or a key fob. Essentially, even if someone were to get ahold of your password (if you fall for a phishing email, for instance), your account would still be protected because only you can physically access your smartphone or key fob to get the necessary login code.

What is two-factor authentication?

http://www.eaps.purdue.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) 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
The Doppler on Wheels (DOW) mobile radars have been used, often in tandem with other instrumentation, to study tornado formation and structure, the boundary layer of landfalling hurricanes, the internal structure of lake effect snow bands, the gust front structure of potentially severe-wind producing MCSs, and other mesoscale phenomena. Some key findings include the existence of rear-flank downdraft surges, which may impact tornadogenesis, the existence of strong winds in tornadoes very close to the surface, small scale structures that may impact energy distribution and wind speeds in the near surface hurricane boundary layer, and the existence of misovortices in intense lake-effect snow bands.

I will share with you the adventures (and misadventures!) of learning about tornadoes, hurricanes, winter storms, and other high impact weather from over a decade of field work...and discuss what projects are on the horizon.
Geochemistry provides our only path to quantitatively constrain geologic processes operating in deep time. But to fully exploit the power of geochemical data to reveal the history of our planet, they must be interpreted through physical models. However, the geochemical culture can be comfortable interpreting their data through ad-hoc, and even nonphysical stories, which can create the illusion of consensus and thus authority. In this talk I show examples from my own work, using rocks ranging from the Hadean to the Pleistocene, of how novel quantitative models can be employed to not only assess the physical plausibility of proposed hypotheses, but also explore hitherto unrecognized non-uniqueness.
We typically envision lacustrine environments on Earth as lush oasis for life. But with a second thought, we recognize that lakes on Earth are also represented by much more inhospitable and extreme environments: permanently ice-covered lakes of Antarctica, acid lake systems of Western Australia, hypersaline lake systems of the high Andes, and alkaline lake systems of East Africa. For the last 1000 sols, the Mars Science Laboratory’s Curiosity Rover has been examining lacustrine sedimentation of the Murray formation, Gale crater, Mars. In this talk, we will examine depositional features of the Murray formation and explore how we can use sedimentological evidence to interpret this fascinating lacustrine environment.
Subduction-related magmatism is one of the most valuable geologic records available for interpreting tectonic and geodynamic processes in Cordilleran orogens. This talk explores orogen-scale spatial and temporal trends in the radiogenic isotopic composition of magmatism. Data from the U.S. Cordillera, central Andes, and southern Tibet are investigated to help resolve the origin of these trends and what they can tell us about the chemical and structural evolution of the lithosphere. Periodic shifts to more evolved isotopic compositions of magmatic rocks is a key component to models of orogenic cyclicity. These isotopic shifts have traditionally been linked to retroarc underthrusting of continental lithosphere, however, they may also be explained by arc migration and upper mantle dynamics.
Project Transformation Indiana is looking for college-age young adults seeking a summer of hands-on ministry with underserved children in the Indianapolis area:

- Work in a team to lead a summer day camp program for elementary school students!
- Live in Christian community with other young adults who have a passion for service!
- Explore your calling through our weekly trips to discover different forms of service and ministry!
- Build strong relationships with the children and other interns!
- Receive a living stipend, plus room and board!

Applicants must have completed at least 1 year of college or be at least 19 years old before the internship begins.

Apply & learn more at: projecttransformation.org/indiana

Questions? Email galloway@ptindiana.org

The mission of Project Transformation is to engage young adults in purposeful leadership and ministry, support children in holistic development, and connect churches with communities.
Write it, cite it.

WORKSHOP

APA/MLA Style and Citation Practices

Wednesday, March 7th | 1:30 – 2:30 PM
HEAV 220

To get the most out of this workshop, bring a draft. Join us to learn more about using sources in your writing, from your introduction to your bibliography. We will focus specifically on MLA and APA styles.

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More Spring Semester Workshops

Integrating Sources into Writing Assignments  Wed., Mar. 21
Revising and Proofreading Drafts  Wed., Apr. 4
Professional Email Communication  Wed., Apr. 18

Contact Us
HEAV 226  |  (765) 494-3723
http://owl.english.purdue.edu
@PurdueWLab
/PurdueUniversityWritingLab
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