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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/47U9VP

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

Facebook
Twitter
Department Magazine
Website News

CONSTRUCTION PROJECTS FOR HAMPTON HALL OF CIVIL ENGINEERING

Please review the attached list of upcoming constructions projects for the HAMP building.

http://www.eaps.purdue.edu/
FACULTY NEWS
Professor Harshvardhan presented a seminar at the Environmental Science Division of Argonne National Laboratory on December 7.

EAPS OMBUDSMEN
What is an Ombudsman? The ombudsmen are an informal, neutral, confidential resource for people in the department, especially students, to raise questions or concerns about any aspect of their academic experience.

The EAPS Ombudsmen are Barbara Gibson (HAMP 2169B; barbara@purdue.edu) and Ken Ridgway (HAMP 3277B; ridge@purdue.edu) – please feel free to contact either of them if needed.

EAPS OUTREACH
In the 2016 - 2017 school year EAPS K-12 Outreach had 106 events with 11,870 total student interactions and 293 teacher interactions.

Many of these events are the result of collaborations with community groups, faculty, and schools. They would be happy to help you with your next grant and synergistic activities for your broader impacts. Contact the EAPS K-12 Outreach Coordinator, Steven Smith, to discuss how they can help you! Have you seen the updated EAPS K-12 Outreach page? Check it out here:

http://www.eaps.purdue.edu/

STUDENT NEWS

COLLEGE OF SCIENCE GLOBAL DIALOGUES PROGRAM
Begins: 1/15/18
Attention: College of Science sophomores, juniors, and seniors: You are invited to apply for the College of Science Global Dialogues program.

See attached fliers 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

TUTORS NEEDED FOR EAPS COURSES!
The Purdue University Athletic Department is seeking students to tutor EAPS courses. Tutors are needed for EAPS 104, EAPS 116, and EAPS 120. Tutors must have no lower than a B in the respective course(s). This position is paid! If you are interested, please contact Candace Britten: Tutor Mentor Coordinator @ cbritten@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](https://science.energy.gov/wdts/suli/) and share widely with students who may be interested in this program. Program information, including the [online application](https://science.energy.gov/wdts/suli/), can be found on our [website](http://www.eaps.purdue.edu/).

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SULI PROGRAM FOR UNDERGRAD STUDENTS

The Science Undergraduate Laboratory Internship (SULI) program encourages undergraduate students to pursue science, technology, engineering, and mathematics (STEM) careers by providing research experiences at the Department of Energy (DOE) laboratories. Selected students participate as interns appointed at one of 17 participating DOE laboratories/facilities. They perform research, under the guidance of laboratory staff scientists or engineers, on projects supporting the DOE mission.

The SULI program is sponsored and managed by the DOE Office of Science's, Office of Workforce Development for Teachers and Scientists (WDTS) in collaboration with the DOE laboratories/facilities.

Applications for the SULI program are solicited annually for three separate internship terms. Internship appointments are 10 weeks in duration for the Summer Term (May through August) or 16 weeks in duration for the fall (August through December) and spring (January through May) Terms. Each DOE laboratory/facility offers different research opportunities; not all DOE laboratories/facilities offer internships during the fall and spring Terms.

The link below goes to a summer undergraduate internship opportunity with the US Department of Energy, sent to me by our recent colloquium speaker, Dr. Scott Collis (who is one of the available mentors at nearby Argonne National Laboratory). The application deadline is [12 January, 2018](https://science.energy.gov/wdts/suli/).

Please disseminate to any EAPS undergrads you think might be interested. DOE does work involving virtually all sub-disciplines within EAPS (atmospheric science, geology, environmental science, hydrology, etc.). Please direct any questions about the internship directly to SULI, or see their [FAQ](https://science.energy.gov/wdts/suli/).

EXPLORATION SCIENCE SUMMER INTERNSHIP PROGRAM

APPLICATION DEADLINE: January 19, 2018

Applications are now being accepted for the exploration science summer intern program. The Lunar and Planetary Institute (LPI) is hosting a special summer intern program to involve students in activities that support missions to the Moon that utilize the Orion crew vehicle, the Deep Space Gateway, and robotic assets on the lunar surface. It is a unique opportunity to integrate scientific input with exploration activities in a way that mission architects and spacecraft engineers can use. Activities may involve assessments of landing sites and traverse plans for multiple destinations that are responsive to NASA objectives. The LPI invites applications from graduate students in geology, planetary science, and related programs.

The Exploration Science Summer Intern Program builds on the success of the Lunar Exploration Summer Intern Program that was designed to evaluate possible landing sites on the Moon for robotic and human exploration missions. Over a five-year period (2008–2012), teams of students worked with LPI science staff and their collaborators to produce A Global Lunar Landing Site Study to Provide the Scientific Context for Exploration of the Moon. The program for 2018 is designed to have the same impact on future exploration activities. This will be a unique team activity that should foster extensive discussions among students and senior science team members.

The 10-week program runs from [May 29, 2018](https://science.energy.gov/wdts/suli/), through [August 3, 2018](https://science.energy.gov/wdts/suli/). Selected interns will receive a $5,883 stipend, and up to a $1,000 travel expense reimbursement for U.S. citizens, or $1,500 for foreign nationals.

Applications are only accepted using the online application form found at the LPI’s [website](http://www.eaps.purdue.edu/).
Exploration Science Summer Intern website: https://www.lpi.usra.edu/exploration_intern/

For more information, contact: Brittany McNeal
Exploration Science Summer Intern Program
ExplorationIntern@lpi.usra.edu

SUMMER 2018 @ NASA AIRBORNE STUDENT AIRBORNE RESEARCH PROGRAM

Application deadline is: Jan. 31, 2018

Applications are open for the summer 2018 @NASA Airborne Student Airborne Research Program (SARP)! It's a great opportunity for undergrads to experience research on the DC-8!

https://t.co/dzXHR4yh7d
https://t.co/8t3IESjatu
https://airbornescience.nasa.gov/nsrc/content/National_Suborbital_Research_Center_SARP_2017

WINTER BREAK

For students who are planning to stay at Purdue over winter break, please use the following link to get more information about available housing: https://www.housing.purdue.edu/Housing/WinterBreak.html

FOREIGN LANGUAGE PLACEMENT TESTING

Interested in taking a placement test to determine your foreign language course? The next testing session for the languages we test in the FLPT lab will be on the first two nights of the spring semester, Mon. and Tues. 1/8-1/9. A flyer is attached. Students will be charged a $35 for each placement test starting in the spring 2018 term. The Bursar’s Office will bill students the rate for placement testing after the exam. We will waive the rate for students who are Pell Grant eligible.

*Note: you will need a form 231 signed by Alicia before you can take the placement exam*

WOMEN IN SCIENCE FELLOWSHIP PROGRAM

L’Oréal USA for Women in Science The L’Oréal USA For Women in Science fellowship program honors female scientists at a critical stage in their careers with grants of $60,000 each. Candidates are selected from a variety of fields including the life and physical/material sciences, technology (including computer science), engineering, and mathematics. Candidates must have completed their PhD and have started in their postdoctoral position by the application deadline.

Deadline: February 2

BIRTHDAYS

Harshvardhan  Jan. 1
Qianlai Zhuang  Jan. 2

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 McQuem (fmcquem@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
**Upcoming CE Projects**

**2131/2135 Lab Remodel:**
- Tentative Start Date = 12/18/17
- Tentative End Date = 6/15/18

**Basement/Ground Floor Renovation:**
Areas affected by Phase (1): B146 / B150 / B157 / B289
- Movers for Phase (1) = 10/24/017
- Tentative Construction Start Date Phase (1) = 11/6/17
- Tentative Construction End Date Phase (1) = 2/16/18

Areas affected by Phase (2): G146 / G157 / G159 / G277 / Courtyard
- Tentative Date - Movers for Phase (2) = 2/19/18
- Tentative Construction Start Date Phase (2) = 2/26/18
- Tentative Construction End Date Phase (2) = 6/22/18
School of Languages and Cultures

Foreign Language Placement Testing

For French, German, Japanese, Latin, Russian, Spanish, and Spanish for Heritage Speakers

**Placement Testing during Spring 2018 Semester:**

**January:** Mon., 1/8, Tues. 1/9, 6 PM, SC 231
**April:** Wed. 4/4, Thurs. 4/5, Fri. 4/6, 6 PM SC 231

$35 Purdue Students, $55 non-students

**Students billed by Bursar’s Office *after* testing**

Contact your advisor for eligibility and permission form

Bring to exam:

Form 231 signed by advisor
Purdue ID

For placement questions in other languages, please visit the SLC website: https://www.cla.purdue.edu/slc/placement/index.html

Questions: Dr. Jason Baumer, jbaumer@purdue.edu
In the 21st century, science is no longer just a “subject” to be taken at school or a profession to be pursued. More than ever science is a site of struggle—a space that requires our collective action and our commitment to become more scientifically literate. For example, science is impacting what we eat (e.g. genetically modified organisms: organic vs. pesticide rich foods); medicine (e.g. the mapping of the human genome; pharmaceutical companies’ profit vs. universal health care); engineering (e.g. profits vs. ethics; the NGSS for K-12 schools vs. critically deconstructing unfunded policies); environmental sustainability (managed growth vs. climate change; environmental racism); and so on.

For over 5 decades, we have seen great advancements in educational research. Through multicultural education research, we now have a better understanding of the sociocultural, institutional and historical factors that influence students’ access and success in schools. Why is that then that educational research continues to have so little impact on teachers’ practice, student achievement, state/national policy, and on the public at large? In this course, we will review relevant research literature on science education in order to explore these and other important questions. We will also closely examine how promising research on teaching and learning for social justice is being used as a sociotransformative tool. Since the course is designed to be a hands-on and minds-on seminar, at least two culturally/socially relevant science/STEM activities will be modeled and deconstructed in class. Participants will also have multiple opportunities to connect course content and projects to their own working contexts. This broad seminar course is open to all students and a background in science or curriculum is not required. Thus, science will not be used in its traditional content-based disciplinary focus; instead, science will be discussed as a site of social struggle. Students interested in increasing their knowledge of critical cross-cultural education, transformative/activist research, and science literacy for social justice and planet sustainability are encouraged to enroll.
COLLEGE OF SCIENCE GLOBAL DIALOGUES PROGRAM
Attention: College of Science sophomores, juniors and seniors

You are invited to apply for the College of Science Global Dialogues program. **BEGINS 1/15**

**On the bus to Chicago**  **At a dinner meeting**  **On the bus to Chicago**

Would you like to add value to your Purdue degree by transforming the ways you view yourself and the world? Would you like to stand out from the crowd? Would you like to improve your cross-cultural communication skills?

If any of these apply to you, Global Dialogues may be the program for you!
The Global Dialogues program will consist of eight dinner meetings and **DINNER IS ON US**! The Program will also include a field trip to Chicago, a community service event, and more!

**Having fun at the Chicago Museum of Science and Industry**  **Hanging out at the Art Institute in Chicago**  **Bollywood dancing at the GD Amazing Race Purdue**

Check out our web page: [http://www.science.purdue.edu/gsp/](http://www.science.purdue.edu/gsp/)

This opportunity is open to College of Science students only. The Global Dialogues group will consist of 15-20 students representing all CoS majors and classes (sophomore-senior) and we aim to include equal numbers of domestic and international students. The 1st dinner meeting is Jan.15........so act now if you’re interested.

For more information contact: globalsciencepartners@purdue.edu or hamt@purdue.edu
To Apply: [https://purdue.qualtrics.com/jfe/form/SV_3K7P1U2cign62UZ](https://purdue.qualtrics.com/jfe/form/SV_3K7P1U2cign62UZ)
ATTENTION ALL FIRST YEAR COLLEGE OF SCIENCE STUDENTS

Now that you have almost completed your first semester in the Purdue College of Science, it's time for you to step out of your comfort zone.

Join us during the spring semester for monthly dinners, trips and activities (free for you!) that are designed to help you learn about other cultures... while having fun!

To find out more about the Global Science Partnerships Learning Community, follow this link: http://www.science.purdue.edu/gsp/

To join Global Science Partnerships Learning Community, please follow this link: https://purdue.qualtrics.com/jfe/form/SV_6YjQjrSC5kPQSmp

Or contact Terry Ham:
hamt@purdue.edu or globalsciencepartners@purdue.edu

Halloween Service Event at the YMCA – October 2016