

January 26, 2015

[Like EAPS on Facebook](#)  
[Follow EAPS on Twitter](#)

## UPCOMING EAPS MEETINGS

### SPRING FACULTY MEETING SCHEDULE

Tuesday, Jan. 27<sup>th</sup>, Feb. 10<sup>th</sup> (Dean's Visit to Dept.),  
Mar. 24<sup>th</sup>, and Apr. 14<sup>th</sup>, 2015  
3:00-4:30 p.m.  
HAMP 3201

~~~~~

### GRAD EXPO

February 27<sup>th</sup> & 28<sup>th</sup>, 2015

~~~~~

### OTHER IMPORTANT DATES TO REMEMBER

#### FORM 40s DUE

Mar. 14<sup>th</sup>, 2015

~~~~~

### EAPS DISTINGUISHED SCIENCE ALUMNI AWARD RECEPTION

Friday, April 17, 2015

~~~~~

### EAPS ANNUAL AWARDS BANQUET

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

~~~~~

### EAPS ALUMNI ADVISORY BOARD MEETING

Tuesday, April 21, 2015

~~~~~

### EAPS COLLOQUIA

Professor Daniel Perissin  
Civil Engineering

*"Synthetic Aperture Radar Interferometry: From Large-Scale  
Ground Subsidence to Single Building Settlement  
Monitoring"*

**Thursday, Jan. 29, 2015**

3:30 PM  
HAMP 1252

## SPECIAL COLLOQUIA

Karin Ardon-Dryer

EAPS ATMS faculty search candidate

*"The Mystery of Ice in Clouds: field and laboratory studies of  
cloud microphysics"*

**Monday, Feb. 2, 2015**

10:30 AM  
HAMP 2108

## UNDERGRADUATE AND GRADUATE STUDENT INFORMATION

### SURF'S UP AT PURDUE: PURDUE SUMMER UNDERGRADUATE RESEARCH FELLOWSHIPS

The SURF program is helping students across engineering, science, and technology disciplines discover a world of opportunity available to them through research. By closely working with other creative and innovative people, students explore, discover, and transform ideas into reality to advance society and improve people's lives.

#### SURF 2015!

The program dates for 2015 are **May 26 - August 7**. Applications available now, and the review process will begin **February 19**; however, applications will continue to be accepted through **March 9**.

#### SURF Program Benefits

- Receive pay to conduct hands-on research under the direction of a faculty member and a graduate student
- Attend professional development and research seminars
- Present research discoveries at the SURF Symposium
  - Enjoy social activities with other SURF students
  - Celebrate at the end-of-summer banquet

#### Eligibility

Undergraduate students enrolled at Purdue and other U.S. institutions of higher education in a baccalaureate degree program with at least four academic semesters completed by the start of the program are eligible to apply.

### Applicants must

- continue to be enrolled as an undergraduate the following Fall session
- have a minimum cumulative GPA of 3.0 out of 4 at the time of application
  - be at least 18 years old by the time the program begins
  - participate for the scheduled program period; alternate program dates are not available

~ ~ ~ ~ ~

### **NASA OPPORTUNITY FOR STUDENT AIRBORNE RESEARCH**



The NASA Airborne Science Program invites highly motivated advanced undergraduates who will be rising seniors in summer 2015 to apply for participation in the *7th annual NASA Student Airborne Research Program (SARP 2015)*. The purpose of the Student Airborne Research Program is to provide students with hands-on research experience in all aspects of a major scientific campaign, from detailed planning on how to achieve mission objectives to formal presentation of results and conclusions to peers and others. Students will work in multi-disciplinary teams to study surface, atmospheric, and oceanographic processes.

Participants will assist in the operation of instruments onboard the DC-8 research aircraft to sample and measure atmospheric gases and to image land and water surfaces in multiple spectral bands. Along with airborne data collection, students will participate in taking measurements at field sites. Each student will complete an individual research project from the data collected. Outstanding faculty and staff for this program will be drawn from several universities and NASA centers, as well as from NASA flight operations and engineering personnel.

The eight-week program begins **June 14, 2015** and concludes **August 7, 2015**.

Instrument and flight preparations, and the research flights themselves, will take place during the first two weeks of the program at NASA's Armstrong Flight Research Center, in Palmdale, CA. Post-flight data analysis and interpretation will take place during the final six weeks of the program at the University of California, Irvine.

SARP participants will receive a \$3,000 stipend, free housing during the 8-week program, local transportation, and a \$3000 travel and food allowance.

Applicants must be US citizens.

The application deadline is **Thursday, February 5, 2015**.

Please download the SARP 2015 application form (<http://www.nserc.und.edu/sarp/sarp-2015/Application/view>) and email all application materials requested on the form to: [SARP2015@nserc.und.edu](mailto:SARP2015@nserc.und.edu).

Email questions to the SARP Project Manager, Dr. Emily Schaller, at: [SARP2015@nserc.und.edu](mailto:SARP2015@nserc.und.edu). SARP staff will also be present at the NASA booth at the 2014 AGU Fall Meeting in San Francisco.

Follow us on Facebook for frequent updates:  
<http://facebook.com/nasasarp>

Watch a video about the program:  
<https://www.youtube.com/watch?v=vjRYmVKbqSw>

### **OTHER**

### **CIC COMMITTEE ON INSTITUTIONAL COOPERATION**



The Summer Research Opportunities Program (SROP) is a gateway to graduate education at CIC universities. The goal of the program is to increase the number of underrepresented students who pursue graduate study and research careers. SROP helps prepare undergraduates for graduate study through intensive research experiences with faculty mentors and enrichment activities. By participating in SROP, you will gain valuable research experience on a CIC campus and enhance your qualifications for admission to graduate school:

- Study in your field of choice
- All-expenses paid plus stipend
- Housing and transportation included
- Top faculty-mentored research experience
- Enrichment workshops and opportunities
- Participation in academic research conference

Get more information and complete program details on their website: <http://www.cic.net/home>

### **How to Apply**

Watch the "Applying to CIC SROP" video to get started! The first step in completing the CIC SROP application is to gain an overall understanding of the application process and guidelines. It is highly suggested that you read the SROP Application Guide before initiating your application.

Deadline: **February 10, 2015**

The CIC SROP application allows you to apply to a variety of widely-recognized summer research programs at participating CIC institutions using a single application. One of the benefits of using the CIC SROP application is that you only need to send one transcript to a central location (the CIC) and your faculty recommenders will only be required to submit one online letter of recommendation. Upon

completion, your application will be viewable by faculty from eight top research universities. Don't wait- apply today! Please see attached flyer.

~~~~~  
**MARINE SCIENCE SUMMER COURSE**

KAUST's Marine Science program will be hosting a three-week summer course this year (**July 24 - August 14**). The course will highlight a range of topics relevant to the Red Sea Research Center's work: genomics, microbiology, ecology, and biological oceanography. Several KAUST faculty will be participating. The course will be a combination

of lectures, fieldwork, labwork, and data analysis workshops, with an emphasis on hands-on experiences. The course is open to undergraduate or Master's students, or people who have recently graduated from these degrees.

KAUST is covering all costs for the program, including travel and housing, and is even providing a small stipend. A flyer for the summer program is attached. The application deadline is **February 15th**. To read more info or find the application link, please visit: <http://reefecology.net>

---

**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>.

