

# EAPS WEEKLY NEWSLETTER

April 15, 2024

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## EAPS MEETINGS & EVENTS

[PURDUE REGISTRAR CALENDARS](#)

[EAPS SEMINARS AND EVENTS CALENDAR](#)

[EAPS K-12 OUTREACH CALENDAR OF EVENTS](#)

[REPORT YOUR OUTREACH AND ENGAGEMENT ACTIVITIES](#)

## NEWS/OPPORTUNITIES AT PURDUE

JOIN US FOR THE 2ND ANNUAL  
**EAPS Spring Bake-Off!**  
APRIL 26 | 1:00 PM  
HAMP 2201  
COME HANG AND TRY DELICIOUS BAKED GOODS AND VOTE FOR YOUR FAVE!  
Questions/Accommodations?  
Giovanni Bacon | [bacong@purdue.edu](mailto:bacong@purdue.edu)  
EAPS GSA Social Committee Chair

### MS AND PHD EAPS STUDENTS BROADEN YOUR GRAD EXPERIENCE

For those MS and PhD students in EAPS that would like to broaden their graduate experiences while at Purdue, EAPS is affiliated with the Computational Interdisciplinary Graduate Programs (CIGP) at Purdue. While working toward a graduate degree in EAPS, graduate students can also have a concentration (specialization) in the area of Computational Science and Engineering (CSE). For more information, [click here](#). A short video about the CIGP/CSE program can be found [here](#).

**Spring Application Deadline:** March 1  
**Fall Application Deadline:** October 1

**EAPS COLLOQUIA - GANNET HALLER**  
Associate Prof. at the University of Utah  
Thursday, April 18, 3:30 pm HAMP 1252  
Host: Graduate Student Chris Rapp  
[EAPS calendar](#)

**PRELIMINARY EXAM – IAN PAMERLEAU**  
Monday, April 15<sup>th</sup> at 12pm in HAMP3201.  
"Interior structures of non-tidally heated icy worlds from geophysical models."  
Advisor: Mike Sori

## EARTH DAY

With Purdue's Earth, Atmospheric, and Planetary Science Department

Plant seeds! Dig for fossils!

Saturday, April 20th  
10:30am - 1:30pm  
Lafayette  
Imagination Station

Filter groundwater! Sort recyclables!

Earth Atmospheric Planetary Sciences  
Address: 600 N 4th St, Lafayette, IN 47901  
Website: [www.imagination-station.org](http://www.imagination-station.org)

## **EAPS GRAD STUDENT RESEARCH OPPORTUNITIES**

If you are interested in an EAPS grad research opportunity, [click here](#) for more information.

SVBIG (the Silicon Valley Boilermaker Innovation Group, <http://svbig.org>) is a group of Silicon Valley Purdue alumni, made up of executives and former entrepreneurs, who offer mentoring to selected tech startups at Purdue, whether undergrads, grad students, faculty, recent grads, or any combination of these. SVBIG will soon select our next Cohort of companies for mentoring, on this schedule:

- **Applications for mentoring due April 19, 2024**
- **“Pitch for Mentors” Day will be May 22, 2024, via video conference (More on this below)**

Our “Pitch for Mentors” events are not traditional “Venture Pitch” competitions, and we make no claim of picking the “best” startups. Rather, the objective is to seek potential mentorship relationships between Purdue startups and members of our volunteer group here in Silicon Valley, all of whom are hand-picked as having extensive experience in high tech entrepreneurship (startup founders, VCs, IP attorneys, etc.). Mentor relationships are formed only when there is mutual interest on both sides (startup team and mentor team.). Each successful mentoring relationship will target at least six months of pro bono, unbiased mentor support from our group. Mentor backgrounds can be viewed at our [website](#).

**Applications are due by Friday April 19, 2024**, and are submitted online in the form of a simple “one-pager” [template](#). We recognize that some startups are at an early stage where they do not yet have clear answers to all of the prompts, yet nevertheless, fill in the information as best you can. By early May, we will select a subset of all applicants to be invited to the “Pitch for Mentors” event on May 22. Optional Further Information: We are often asked “What Kind of Startups Does SVBIG Seek?”

The ideal candidates for SVBIG are companies that are technology-based and which aspire to achieve “Vventure scale,” meaning they have potential for rapid growth once product market fit is established, followed eventually by substantial market penetration and revenue at scale. As for the team, we seek founders with the ability to describe their business mission with clarity and simplicity, along with dedication, conviction, and ideally a diversity of skills amongst the founding team.

## **PUBLICATIONS**

- **Sori, M.M., I.T. Lawrence, K. Izquierdo, and D.E. Granger** (2024), Implications of MOLA topography on the presence of liquid water under the south polar cap of Mars, *Icarus*, 116083. <https://doi.org/10.1016/j.icarus.2024.116083>.

## **OUTREACH NEWS**

If you or your group has worked with or helped with an activity for K-12 students or teachers, please fill out the departmental outreach activity form.

<https://bit.ly/EAPSOOut>

Social sites:

[Twitter](#)

[Instagram](#)

[Facebook Superheroes of Science](#)  
[EAPS departmental outreach web page](#)

**SUPERHEROES OF SCIENCE**

Please help us by subscribing and sharing our podcast and our [YouTube](#) channel!

On Apple: [https://bit.ly/SOS\\_apple](https://bit.ly/SOS_apple)

On Spotify: [https://bit.ly/SOS\\_spotify](https://bit.ly/SOS_spotify)

On Amazon: [https://bit.ly/Superheroes\\_amazon](https://bit.ly/Superheroes_amazon)

## **MEETINGS/EXPOS/ OPPORTUNITIES OUTSIDE OF PURDUE**

**DIVISION OF EARTH AND ATMOSPHERIC SCIENCES**  
**FACULTY OF SCIENCE, THE CHINESE UNIVERSITY OF**  
**HONG KONG**

**STUDENT SUMMER WORKSHOPS**

We invite applications to the **Student Summer Workshop in Earth and Atmospheric Sciences** to be held 9-11 July, 2024 at The Chinese University of Hong Kong.

This workshop is open to all potential applicants to our PhD programme. We welcome undergraduate students in their 3<sup>rd</sup> / final year of study or master students to apply. Every participant will have the PhD admission interview opportunity. The first batch of PhD offers will be made shortly after the workshop.

Please [visit workshop website](#) for more information.

**Application Process:** [submit application online](#)

**Application Deadline: 26 April 2024 (Friday)**

**Enquiry:** [eas@cuhk.edu.hk](mailto:eas@cuhk.edu.hk); Tel: +852 3943 9323 / 3943 9624

**Leaflet:** [http://www.cuhk.edu.hk/sci/essc/docs/SW\\_Poster\\_2024.pdf](http://www.cuhk.edu.hk/sci/essc/docs/SW_Poster_2024.pdf)

**Feedback from Past Participants**

- *“The arrangements for the workshop were fantastic. We were lucky to get an opportunity to attend the workshop and learned a lot about the EASC Ph.D. program. The communication way of professors was excellent.”*
- *“It was a great opportunity to learn about the application procedure and I was able to get adequate information. I also would like to thank the speakers for answering our queries about the application.”*
- *“The presentations are very interesting, and the speakers are very passionate about their field. I aspire to be like them.”*
- *“This workshop provides a great opportunity to directly communicate with skilled professors.”*

**WATERSHED SCHOLARS PROGRAM**

For students interested in pursuing a Master’s degree in biology, chemistry, civil engineering, environmental sciences, or geography with an emphasis in Watershed Sciences at Southern Illinois University Edwardsville (SIUE). Selected students will receive a tuition waiver and \$10,000 scholarship for each of the two years they are in the program, as well as funding to attend conferences and to purchase equipment and tools needed to complete their research. In addition, students will participate in thesis and research workshops, career panels, scientific and technical seminars, and mentoring from a variety of sources. Eligible students are required to have an income of \$25,515 or less while a student at program start date (Fall 2024). Scholars must be U.S. citizens, permanent residents, or admitted refugees. Interested individuals can read more about the program [here](#). SIUE is located near the confluence of the Mississippi and Missouri Rivers and offers opportunities to study watersheds at multiple scales and from rural to urban settings. The SIUE campus is on 2,600 acres of beautiful rolling hills and woodlands, on the bluff of the Mississippi floodplain. Students applying to SIUE master’s programs in [Biological Sciences](#), [Chemistry](#), [Civil Engineering](#), [Environmental Sciences](#), or [Geography & GIS](#) are eligible to apply for the Watershed Scholars program. Students with an interest in sustainable watersheds and backgrounds in biology, chemistry, engineering, ecology, geography, geology, environmental sciences, fisheries sciences, wildlife management, natural resources, and geosciences, are encouraged to apply.

After being admitted to the SIUE graduate program, potential scholars must then apply to the [Watershed Scholars Program](#) (or they should apply to both the graduate program and scholarship program at the same time). Potential scholars will be asked to provide a written statement (250-500 words) describing their interest in watershed science research and, if applicable, any prior relevant research experience.

Applications are being considered on a rolling basis, but students should apply before April 1 for priority consideration. Further information, including details on how to apply, can be found on the [Watershed Scholars website](#). If students have any questions, please encourage them to contact the Watershed Scholars project lead, Dr. Adriana E. Martinez at [admart@siue.edu](mailto:admart@siue.edu). This program is funded by the National Science Foundation DUE Award #2130471.

**UNIVERSITY OF NOTRE DAME’S SOCIETY OF SCIENCE FELLOWS**

At the University of Notre Dame, the Society of Science Fellows is a Postdoctoral Fellowship Program established by the Dean of the College of Science to support highly motivated and accomplished individuals who represent the best of the next generation of scientists. These prestigious fellowships are designed for early-stage scientists who are bound for research intensive careers in research universities, institutes or industries. The Society Fellows will be initially appointed for two years, receive a stipend corresponding to the NRSA NIH pay scale for postdoctoral fellows and individualized support from College of Science Director of Postdoctoral Studies. Each fellow will work with the director of postdoctoral studies to identify a suitable primary research mentor from the five departments in the College of Science. Additional co-mentors can also be appointed, and must have an appointment at the University of Notre Dame. The primary research mentor will provide research space, supplies, and travel support. [More info. Deadline April 30.](#)

**NSF NCAR | UCAR | UCP STUDENT OPPORTUNITIES**

NCAR | UCAR | UCP offer many different summer experiences for students in Earth System Science. Labs and Programs have unique opportunities with separate applications and different deadlines. We invite you to explore the compiled list below and apply to opportunities you find interesting.

[UCAR Next Generation Fellowship](#)

<a href="http://www.eaps.purdue.edu/">http://www.eaps.purdue.edu/</a>	Page 3 of 6
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The UCAR Next Generation graduate Fellowship is a prestigious, multi-faceted opportunity to explore the interplay between the areas of scientific research, diversity and inclusion, and public policy within the field of Earth Systems Science. Fellows engage with, and learn from, UCAR's leaders in these three arenas while participating in dedicated professional development and leadership training opportunities. **Application will open in January 2024.**

**UCAR STUDENT OPPORTUNITIES WEBSITE**

Check the opportunities website for other opportunities that are not currently accepting applications but may during other times of the year.

**POST-DOC OPPORTUNITY - AIR FORCE SCIENCE & TECHNOLOGY FELLOWSHIPS**

The National Academies of Sciences, Engineering, and Medicine administers postdoctoral and senior research awards at the U.S. Air Force Research Laboratory (AFRL), the U.S. Air Force Institute of Technology (AFIT), and the U.S. Air Force Academy (USAFA) under the [Air Force Science & Technology Fellowship Program \(AF STFP\)](#).

Seeking highly qualified candidates who are U.S. citizens and hold, or anticipate earning, a doctorate in a variety of fields of science or engineering.

**Application deadline dates (four annual review cycles): February 1, May 1, August 1, November 1**

Awardees have the opportunity to:

- Conduct independent research in an area compatible with the interests of the Air Force laboratories
- Devote full-time effort to research and publication
- Access the excellent and often unique Air Force research facilities
- Collaborate with leading scientists and engineers
- Awardee benefits:
- Base stipend starting at \$76,542; may be higher based on experience
- Health insurance (including dental/vision), relocation benefits, and a professional travel allowance

Applicants should contact prospective AFRL, AFIT and USAFA Research Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.

For detailed program information, to search for AFRL, AFIT, and USAFA Research Opportunities, and to contact prospective Research Adviser(s), visit [www.nas.edu/afstfp](http://www.nas.edu/afstfp).

**AWG BRUNTON AWARD AND**

**BRUNTON FIELD PROJECT AWARD**

The AWG Brunton Award and Brunton Field Project Award promote the future of field mapping and data acquisition for the upcoming generation of people whose gender identity has been historically underrepresented in the geosciences. Applicants should have a passion for and exceptional experience with field work, including internships, field camp, coursework with a field-based research component, or research. The AWG Brunton Award has been active for >20 years and provides Brunton compasses to 1–2 awardees each year. The AWG Brunton Field Project Award started in 2022 and awards a Brunton compass and up to \$1000 to support field activities to each of 1–2 awardees each year. [Learn more here](#). **Deadline for entry is Dec. 15<sup>th</sup> of each year.**

**URANUS FLAGSHIP WORKSHOP**

May 21-23, 2024

NASA Goddard Space Flight Center, Greenbelt, MD

[Meeting info](#)

**8<sup>th</sup> INTERNATIONAL CONFERENCE ON MARS POLAR SCIENCE AND EXPLORATION**

July 8-12, 2024

Whitehorse, Yukon, Canada

[Meeting info](#)

**METSOC 2024**

July 28-Aug. 2, 2024

Brussels, Belgium

[Meeting info](#)

**MODERN SEM TECHNIQUES WORKSHOP**

August 12-14, 2024

Lunar and Planetary Institute

Houston, TX

[Meeting info](#)

**POSITIONS AVAILABLE-  
CAREER OPPORTUNITIES**

**VISITING PROFESSOR FOR PURDUE EAPS**

[LINK](#)

**UNIVERSITY OF OK – AVIATION METEOROLOGY ASSOC. PROFESSOR**

The School of Meteorology and School of Aviation at the University of Oklahoma have an open tenure-track position at the Associate Professor level focused on Aviation Meteorology. If you or someone you know are interested, the [full announcement is here](#). Reach out to the search chair Dr. Jens Redemann ([jredemann@ou.edu](mailto:jredemann@ou.edu)) with any questions.

**MEDITERRANEAN INSTITUTE OF OCEANOGRAPHY  
MARSEILLE, FRANCE – POST DOC**

2-year postdoc position in modelling the habitability of the atmosphere (applied to Earth's atmosphere and exoplanets). The position would suit someone with an interest in habitability/astrobiology, theoretical approaches to environmental microbiology, and who has strong numerical skills (ecosystem, habitability, bioenergetics modelling). The post is based at the Mediterranean Institute of Oceanography, in Marseille, France, with the possibility for remote/flexible working arrangements. [More details](#).

**WOOSTER – VISITING ASSISTANT PROFESSOR**

Wooster is hiring a 2-year Visiting Assistant Professor in Environmental Science. We are open to any expertise in the environmental sciences as long as the candidate can teach GIS. Next year, we will be developing an Environmental Science major – this person would play a critical role in that process and the administration has been supportive of our plan to convert this position to tenure track. This is a great opportunity for an early career scientist to launch a future in the liberal arts. Our small, supportive department fosters a vibrant environment for students, staff, and faculty to thrive. We are looking for someone who is passionate about teaching and eager to contribute to our intellectual and inclusive community. [Full details and application instructions can be found here](#).

**UCHICAGO – TWO POSITIONS AVAILABLE**

- Assistant Instructional Professor (<https://apply.interfolio.com/136612>)
- Senior Instructional Professor (<https://apply.interfolio.com/137371>).

These are career-track (although not tenure-track) teaching positions.

**FULL-TIME WEEKEND METEOROLOGIST/WEEKDAY REPORTER - WVVA TV IN BLUEFIELD, WV.**

An immediate opening for a full-time weekend meteorologist/weekday reporter (for weather/science stories). [Link](#)

**TENURE TRACK METEOROLOGY FACULTY POSITION - VALPARAISO UNIVERSITY**

We are excited to announce an opening for a Tenure Track Assistant Professor of Meteorology at Valparaiso University starting in August 2024. We especially need someone for mesoscale meteorology at the undergraduate level.

[Apply here](#).

**DePAUW SEEKING PART TIME INSTRUCTOR**

The department of Geology and Environmental Geoscience at DePauw University is looking for a part-time instructor to teach an undergraduate course in Hydrogeology in next spring semester. This is a great opportunity for a graduate student to get some teaching experience in a Liberal Arts setting (at least a Master's degree is required). [Apply here](#).

**NYS MESONET FIELD TECHNICIANS**

[NYS Mesonet](#) is hiring a field technician position to maintain and repair 126-site standard network and 85 subnetwork sites. Competitive pay + benefits, learn more and [apply here](#).

**MULTIPLE POSITIONS OPEN WITH ENVIROFORENSICS**

EnviroForensics is hiring! We're looking for motivated and collaborative individuals to join us as a Project Manager (Indianapolis or Louisville), Staff Professional (Indianapolis), Field Professional (Indianapolis), and Field Technician (Indianapolis). If you're interested in joining our team, visit our Careers and apply today! [Click here to apply](#)

**ASSISTANT PROFESSOR OF ENVIRONMENTAL & GEOSPATIAL SCIENCES - WESTERN KENTUCKY UNIVERSITY**

The Department of Earth, Environmental, & Atmospheric Sciences (EEAS) at Western Kentucky University is seeking highly qualified applicants for a 9-month tenure-track Assistant Professor of Environmental & Geospatial Sciences position. [Learn more here](#).

**METEOROLOGIST POSITIONS AVAILABLE  
TEGNA**

Multiple [meteorology positions](#) are open with TEGNA.

**PURDUE ENVISION CENTER (UNDER ITAP)**

### **RECRUITING EAPS STUDENTS**

The Envision Center is recruiting EAPS students with background and interest in weather visualization.

Details on the job opening can be found [here](#).

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### **POSITIONS AVAILABLE IN METEOROLOGY AND ATMOSPHERIC SCIENCE**

[View current career listings](#)

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### **AGI GEOSCIENCE JOB CENTER**

[Check listings here.](#)

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### **GRADIENT CORP**

#### **MULTIPLE OPPORTUNITIES**

Please feel free to contact [Qian Zhang](#) if you are interested in applying and/or have any questions about the company and the opportunities.

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### **NATIONAL WEATHER SERVICE POSITIONS AVAILABLE**

[Check here for available positions](#) with the National Weather Service.

## **NEWSLETTER INFO**

### **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. Material for inclusion in the newsletter should be submitted to [Cheryl Pierce](#) by **5:00pm on Thursday of each week for inclusion in the Monday issue.**

For answers to common technology questions and the latest updates from the EAPS Technology Support staff, [click here](#). As an additional resource for information about departmental events, seminars, etc., see our [departmental calendar](#).