**EAPS WEEKLY NEWSLETTER**

December 4, 2023

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**EAPS MEETINGS & EVENTS**

**PURDUE CALENDAR 2023-24**

**EAPS K-12 OUTREACH CALENDAR OF EVENTS**

**REPORT YOUR OUTREACH AND ENGAGEMENT ACTIVITIES**

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**NEWS/OPPORTUNITIES AT PURDUE**

**EAPS COLLOQUIUM - ANA LOBO**
Thursday, December 7, 3:30 – 4:30pm
HAMP 1252

Ana Lobo is a PostDoc Researcher at UC Irvine.
Host: Prof. Stephanie Olson

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**CCO PROFESSIONAL CLOTHING DRIVE**

The CCO needs New or Lightly used professional clothing for students in need.

- Students get to make an appointment
  - 30-Minute Session
  - BoilerConnect (CCO/QuickChat)
- No-cost to Purdue students in need
- Students get one full outfit per academic year
  - Blazer, trouser or skirt, shirt or blouse, tie or scarf, belt, and shoes
- Attire is theirs to keep!

There will be a box in the supply room to drop your donations from December 4 – 7 at noon. I will be taking our donations to the CCO on December 7 in the afternoon. Any donations made after December 7 at noon will need to be taken directly to the CCO. More info

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**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

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**EAPS GRAD STUDENT RESEARCH OPPORTUNITIES**

If you are interested in an EAPS grad research opportunity, click here for more information.

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**PUBLICATIONS**

- Youmi Oh, Lori Bruhwiler, Xin Lan, Sourish Basu, Kenneth Schuldt, Kirk Thoning, Sylvia E. Michel, Reid Clark, John B. Miller, Arlyn Andrews, Owen Sherwood, Giuseppe Etiope, Monica Crippa, Licheng Liu, Qianlai Zhuang, James Randerson, Guido van der Werf, Tuula Aalto, Stefano Amendola, Sébastien C. Andra, Marcos Andrade, Nhat A. Nguyen, Shuji Aoki, Francesco Apadula, Ikhsan B. Arifin, Sabrina Arnold, Mikhail

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


OUTREACH NEWS

SUPERHEROES OF SCIENCE PODCAST ALERT!
FEATURING PROF. ANDY FREED

Steven and Sarah of Superheroes of Science discuss Moon Facts vs Myths with Dr. Andy Freed. View on YouTube here or listen on Apple podcasts here.

K-12 Outreach would like to ask for your help in getting this request out to professional organizations.

Teachers are desperately requesting resources related to STEM careers. Please consider sharing what you do with students and teachers by making a recording.

Calling all STEM Professionals! Join our mission to inspire students and support educators!

Students lack awareness of the vast possibilities in STEM fields. Teachers are tasked with integrating college and career readiness into their curricula. To support both students and their teachers, Purdue University College of Science K-12 Outreach is creating an extensive STEM Career Repository. We need YOUR expertise to make a difference! Record a short video (2-3 minutes) introducing the captivating work you do as a STEM professional. Help us shed light on potential careers in STEM and ignite young minds with passion and curiosity!

For the video, consider introducing yourself along with your job/career, then follow with important background information relevant to your job. Finish with something interesting that you do as part of your job.

Video clips (2-3 minutes) should be filmed horizontally and submitted to mrsmith@purdue.edu. If you would prefer, we can record you on Zoom. Many people are recording in both English and another language that they are

http://www.eaps.purdue.edu/
fluent in speaking. If you do record in a second language, please let us know the language. Please share this request with your fellow professionals in the STEM fields to amplify our impact! Together, we can shape the future of STEM exploration and education. Let’s inspire the next generation of scientists, engineers, and innovators! Connect with us and contribute to the STEM Career Repository: https://www.purdue.edu/science/K12/LabPages/careers.php

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/EAPSOut

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!

MEETINGS/EXPOS/OPPORTUNITIES OUTSIDE OF PURDUE

ENVIROMENTAL COMPLIANCE INTERNSHIP OPPORTUNITY IN VALPOROISO
The environmental compliance intern will support the work of the NiSource Environmental department and cross-functional Health, Safety and Environmental Execution Team, which is responsible for supporting compliance with all federal, state, and local environmental regulations across NiSource. The intern will receive experience in environmental compliance activities, data gathering, management and reporting processes, and will ultimately be involved with both desk-based and hands-on work in the field. The intern will report to the Manager, Environmental Compliance, and collaborate with the Environmental Compliance Team and other internal business partners. Successful candidate must be capable of working in an outside setting and industrial conditions. Learn more

EUROPA CLIPPER ICONS INTERNSHIPS – NASA SCIENCE
The new Inspiring Clipper: Opportunities for Next-generation Scientists (ICONS) internships will bring members of the Europa Clipper mission team together with undergraduate students for 10-week programs that give students the opportunity to conduct original scientific research. Internships may be in-person at the mentor’s institution, virtual, or hybrid, depending on the research project and needs of the mentor and intern.
At the end of the 10 weeks, students and mentors will convene for a two-day conference at NASA’s Jet Propulsion Laboratory in Pasadena, California. Interns will receive a $12,000 stipend for the duration of the program, and may be eligible for travel, housing, and relocation allowances, depending on the location of their research activities.
The first Europa ICON internship will run June 3-Aug. 9, 2024.

• Student applications are due Feb. 2, 2024, and can be found on the NASA STEM Gateway by searching “Europa ICONS.”
• Mentor project proposals are due Dec. 18. Info here.

2024 RIPS SUMMER PROGRAM OPPORTUNITY FOR UNDERGRADS
Research in Industrial Projects for Students (RIPS) Program at the Institute for Pure and Applied Mathematics (IPAM) has a summer program opportunity for undergraduate students. Program details.

SCHLANGER OCEAN DRILLING FELLOWSHIP
The Schlanger Ocean Drilling Fellowship Program offers merit-based awards for graduate students enrolled in a Ph.D. program to conduct research related to scientific ocean drilling. Research may be related to the objectives of past expeditions or it may address broader science themes. Selected fellows will receive an award of $30,000 for a 12-month period that can be used for research, stipend, tuition, or other approved costs. Schlanger Fellowships are open to all graduate students enrolled at U.S. institutions in full-time Ph.D. programs. Applications require reference material from two referees, one of which must be the
student’s faculty advisor. Learn more.

All application materials, including reference material, must be submitted by the December 22nd deadline.

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**CIWRO PETER LAMB POSTDOCTORAL FELLOWSHIP**
The Cooperative Institute for Severe and High Impact Weather Research and Operations (CIWRO) has established the Peter Lamb Postdoctoral Fellowship that is offered annually. CIWRO is a research organization that promotes collaborative research between scientists at the National Oceanic and Atmospheric Administration (NOAA) and a consortium of universities led by the University of Oklahoma (OU) on problems of mutual interest. CIWRO research seeks to improve the basic understanding of weather and transitioning that understanding to operations in order to help produce better forecasts and warnings that save lives and property. CIWRO also investigates the societal impacts of such phenomena. The recipient will be an OU employee but may conduct her/his research at OU, Howard University (HU), the Pennsylvania State University (PSU), Texas Tech University (TTU), or the University at Albany (UA).

Apply by: January 15. More info.

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**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. 15th of each year.

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**MERCURY EXPLORATION ASSESSMENT GROUP (MExAG) ANNUAL MEETING**
February 6-8, 2024
Virtual
Meeting info

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**TEGRATING OCEAN DRILLING & NASA SCIENCE: WORKSHOP TO EXPLORE MISSIONS TO PLANET EARTH**
February 20-23, 2024
Washington D.C. / virtual
Meeting info

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**PLANET CHARACTERIZATION IN THE SOLAR SYSTEM AND THE GALAXY WORKSHOP**
February 21-23, 2024
Houston, TX / virtual
Meeting info

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**55th LUNAR AND PLANETARY SCIENCE CONFERENCE (LPSC)**
March 11-15, 2024
The Woodlands, TX / virtual
Meeting info

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**URANUS FLAGSHIP WORKSHOP**
May 21-23, 2024
NASA Goddard Space Flight Center, Greenbelt, MD
Meeting info

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**POSITIONS AVAILABLE-CAREER OPPORTUNITIES**

**FACULTY CLUSTER HIRE AT TAYLOR GEOSPATIAL INSTITUTE / SAINT LOUIS UNIVERSITY**

Faculty cluster hiring initiative with Saint Louis University and the Taylor Geospatial Institute (TGI). This initiative will advance TGI’s vision to become the nation’s leader in geospatial research, fueling innovation and creating the next generation of talent in the burgeoning field of geospatial science and technology.

As part of this hiring initiative, SLU and TGI are recruiting for faculty in the following areas:

- **Aerospace and Mechanical Engineering** (2 positions) – GPS/PNT; Autonomous Vehicle Operations
- **Civil Engineering** (1 position) – Transportation Engineering (photogrammetry, digital twin, smart cities)
- **Earth and Atmospheric Science** (2 positions) – GPS/PNT; Satellite Geodesy
- **Public Health** (1 position) – Behavioral Science and Health Equity, Geospatial
- **Biology** (1 position) – Plant Breeding and Genetics

The position descriptions for the positions listed above are viewable here.
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]

ASST. PROFESSOR OF EARTH MATERIALS - UNIVERSITY OF NORTH CHARLOTTE
Apply by Dec. 15th, 2023 [Apply here.]

UW-MADISON - PROFESSOR OF ATMOSPHERIC & OCEANIC SCIENCES
faculty position opening, with interests in satellite meteorology, atmos radiation, weather-climate dynamics. [Apply here.]

PATHWAYS RECENT GRADUATE PROGRAM – SEVERAL FEDERAL GOV. EMPLOYMENT LISTINGS
Eligible: Recent graduates from a qualifying educational institution having completed an academic program within the preceding two years OR will be receiving a degree or certificate within 120 days of closing date of this announcement.
Note: Veterans who were precluded by their military service obligation from meeting this requirement will have up to six years to apply.
Agronomist Archaeologist Archeologist-FPL 11
Civil Engineer Civil Engineer- FPL 12 Economist
Forester GIS Specialist Management Analyst
Natural Resource Specialist Soil Conservationist
Range Management Specialist Soil Conservationist
Range Mgmt Specialist-FPL 11 Hydrologist

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.]

POSTDOCTORAL RESEARCH ASSOCIATE POSITION - PURDUE UNIVERSITY
A postdoctoral position investigating cloud-aerosol interactions using stable water vapor isotopes and cloud microphysics observations is available in the Department of Earth, Atmospheric, and Planetary Sciences at Purdue University. The postdoctoral researcher will join Professor Lisa Welp analyzing observations measured during the Southern California Interactions of Low cloud and Land Aerosol (SCILLA) airborne experiment, complementing the Eastern Pacific Cloud Aerosol Precipitation Experiment (EPCAPE) DOE ARM mobile facility deployment in La Jolla, CA. The SCILLA research flights investigated the stratocumulus-topped boundary layer off-shore during the month of June 2023. The postdoctoral researcher will be supported by DOE ASR funding to quantify dry air entrainment and cloud drizzle processes drying the cloud layer using water vapor stable isotopes. They will also work closely with the cloud microphysics data measured by collaborator Professor Patrick Chuang’s research group at the University of California Santa Cruz.
Candidates for this position should have recently completed their Ph.D. or should expect to complete their degree requirements by the start date, in atmospheric science or relevant Earth science program. Previous experience with the analysis of atmospheric gases or isotopes or a strong understanding of marine boundary layer processes is preferred. Candidates interested in this position should have a record of scientific achievement, and excellent verbal and written communication skills. Initial appointments are for 12-18 months with renewal for up to a total of 2.5 years upon review. The start date is flexible. A background check is required for employment in this position.
Applications should supply (a) a curriculum vitae, including a list of publications, (b) a statement of research interests and goals including qualifications for the position (maximum 2 pages) and (c) e-mail address of three references to: Lisa Welp (lwelp@purdue.edu). Potential applicants are welcome to contact Professor Welp prior to applying to learn more about the project.
Applications will be reviewed immediately, and the position will remain open until filled. Applications can also be submitted here.

NYS MESONET FIELD TECHNICIANS
NYS Mesonet is hiring two field technician positions to maintain and repair 126-site standard network.

http://www.eaps.purdue.edu/
and 85 subnetwork sites. Competitive pay + benefits, learn more and [apply here](http://www.eaps.purdue.edu/).

**MONTANA MESONET FIELD MANAGER, MONTANA CLIMATE OFFICE**
The Montana Climate Office within the W.A. Franke College of Forestry and Conservation and at the University of Montana is seeking applications for an Applied Meteorologist/Mesonet Field Manager position. The Mesonet Field Manager (MFM) will oversee the installation and maintenance of climate monitoring stations (Montana Mesonet) across the state. The MFM will lead three Mesonet field crews: three full-time technicians and six seasonal employees in the construction and maintenance of the Montana Mesonet and ensure high-quality performance and operation of all stations. The Montana Mesonet is being developed through a US Army Corps of Engineers (USACE) award to the Montana Climate Office. [Link](http://www.eaps.purdue.edu/)

**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](http://www.eaps.purdue.edu/) and apply today! [Click here to apply](http://www.eaps.purdue.edu/)

**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](http://www.eaps.purdue.edu/)

**INDIANA EHS ADVISOR JOB POSTING**
U.S. Compliance: Searching for high performing EHS professionals who want to make a difference. Join our fast-growing EHS compliance firm to help us care for people, Protect the environment and grow our clients’ business. [Link to posting](http://www.eaps.purdue.edu/)

**METEOROLOGIST POSITIONS AVAILABLE TEGNA**

**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](http://www.eaps.purdue.edu/AFSTFP). 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.eaps.purdue.edu/afstfp).

**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](http://www.eaps.purdue.edu/).

**POSITIONS AVAILABLE IN METEOROLOGY AND ATMOSPHERIC SCIENCE**
[View current career listings](http://www.eaps.purdue.edu/)

**AGI GEOSCIENCE JOB CENTER**
[Check listings here](http://www.eaps.purdue.edu/).
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.

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.

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