

EAPS WEEKLY NEWSLETTER

April 24, 2023

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EAPS MEETINGS & EVENTS

[PURDUE CALENDAR 2023](#)

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

[REPORT YOUR OUTREACH AND ENGAGEMENT
ACTIVITIES](#)

NEWS/OPPORTUNITIES AT PURDUE

2023 ANNUAL EAPS AWARDS

Thursday, April 20, 2023 | Buchanan Club | Ross-Ade Pavilion

2022-23 EAPS AWARDS

Congrats to all to received EAPS awards or recognition last week.

Steven Smith took photos and they can be [located here](#).

The website that recognizes winners is [here](#).

COLLOQUIA – RUBY LEUNG

THURSDAY, APRIL 27

Ruby Leung is from Pacific Northwest National Lab.

Hosts: Qianlai Zhuang

3:0 – 4:30 pm HAMP 1252

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 GRAD STUDENT RESEARCH OPPORTUNITIES

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

- SAVE THE DATE -

LAVENDER GRADUATION

CLASS OF 2023

Lavender Graduation is a unique opportunity for LGBTQIA+ and ally students to acknowledge their achievements, contributions, and unique experiences at Purdue University. Graduates are encouraged to invite their friends, family, and people who have been influential while at Purdue University. This event is free and open to the public. Refreshments will be provided.



MAY 8TH | 6PM-8PM
HILER THEATER (WALC 1055)

PLEASE ATTEND TO SUPPORT OUR GRADUATES

PUBLICATIONS

- **Liu, X.** and **Zhuang, Q.**: Methane emissions from Arctic landscapes during 2000–2015: an analysis with land and lake biogeochemistry models, *Biogeosciences*, 20, 1181–

1193, <https://doi.org/10.5194/bg-20-1181-2023>, 2023. PDF

- **Zhuang, Q., Guo, M.,** Melack, J. M., Lan, X., **Tan, Z., Oh, Y., & Leung, L. R.** (2023). Current and future global lake methane emissions: A process-based modeling analysis. *Journal of Geophysical Research: Biogeosciences*, 128, e2022JG007137. <https://doi.org/10.1029/2022JG007137/acc1f7> PDF
- **Xu, Y. and Q. Zhuang** (2023), The importance of interactions between snow, permafrost and vegetation dynamics in affecting terrestrial carbon balance in circumpolar regions, *Environ. Res. Lett.* 18 044007, DOI 10.1088/1748-9326/acc1f7 PDF
- Ralph D. Lorenz, Sylvestre Maurice, Baptiste Chide, David Mimoun, Alexander Stott, Naomi Murdoch, Martin Giller, Xavier Jacob, Roger C. Wiens, Franck Montmessin, Håvard Grip, Theodore Tzanetos, Bob Balaram, Nathan Williams, Matt Keennon, Sara Langberg, Jeremy Tyler, Tanguy Bertrand, Adrian Brown, Nicolas Randazzo, Benjamin Pipenberg, "The sounds of a helicopter on Mars," *Planetary and Space Science*, Volume 230, 2023, 105684, ISSN 0032-0633, <https://doi.org/10.1016/j.pss.2023.105684>

OUTREACH NEWS

Anyone working with minors on campus is required to go through the Required Reporting training. It should only take 10-15 minutes to complete the training.

- **Step 1:** Log into the Protection of Minors Portal (<https://apps.ideal-logic.com/purdue>) with boiler key.
- **Step 2:** If you use different email accounts, you may enter them on the first screen under email addresses. This allows all of your emails to be under the one account.
- **Step 3:** If you're volunteering, you only need to do the "Required Reporting" training. This should only take about 10 minutes to go through the training and take the short quiz.

Once you have completed the quiz you are all done and compliant for the next 24 months :)

If you have not completed this training, you may not volunteer or work with any minors on campus as part of University events. It only takes 10-15 minutes to be compliant, and that will allow you to volunteer for any programs that involve minors.

Upcoming Outreach Events:

April

- April 25, HoPs lab: AP Chem Buffers Lab (*high school*)
- April 27, HoPs lab: AP Chem Buffers Lab (*high school*)

May

- May 02, HoPs lab: Atmospheric Lab - Introduction to Air Pollution (*high school*)

- May 10, HoPs lab: Intro to paleontology and past environments (*2nd Grade*)
- May 11, HoPs lab: Atmospheric Lab - Introduction to Air Pollution (*high school*)
- May 16, HoPs lab: Atmospheric Lab - Introduction to Air Pollution (*high school*)

June

- June 12-13, Teacher Professional Development: Preparing for the Solar Eclipse in the Middle School Classroom
- June 15-16, Teacher Professional Development: Preparing for the Solar Eclipse in the Elementary Classroom
- June 27, Virtual Teacher PD: Preparing for the Solar Eclipse in the Middle School Classroom

July

- July 13-14, Grandparents University: Understanding the Atmosphere (*Middle school aged students with their grandparents*)

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

On Spotify: https://bit.ly/SOS_spotify

On Amazon: https://bit.ly/Superheroes_amazon

MEETINGS/EXPOS/ OPPORTUNITIES OUTSIDE OF PURDUE

IL-IN SEA GRANT PANEL DISCUSSION: CAREERS OUTSIDE OF ACADEMIA

**When: April 24 2:00-3:00 pm Eastern
(1:00-2:00 pm Central)**

Where: Zoom (registration required)

Register at:

https://bit.ly/IISG_Outside_Academia_Panel-2023

Join Illinois-Indiana Sea Grant staff as they host a panel discussion with individuals who completed advanced graduate degrees and then secured

jobs outside of the traditional academic (i.e., tenure) track. Panelists will share how their career path brought them to their current position, and audience members will have an opportunity to ask questions. **The primary audience for this webinar is students or post-doctoral graduates currently affiliated with universities and colleges in Illinois and Indiana.**

Panelists include Kristi Arend, Biologist, U.S. Bureau of Reclamation, Bay-Delta Office, Sacramento, CA; Leanne Baker, Senior Consultant, Scientist, ERM – Environmental Resource Management; Natalie Chin, Climate and Tourism Outreach Specialist, Wisconsin Sea Grant, Superior, WI; and David Cannon, Postdoctoral Research Fellow, Cooperative Institute for Great Lakes Research, Ann Arbor, MI.

DATA SCIENCE FOR ALL 2023 WOMEN PROGRAM

The DS4A / Women program is designed to help female students and professionals develop into data-driven leaders of tomorrow. It is a free program that provides world-class technical training, professional development workshops, mentorship from senior leaders, competitive employment opportunities, and the opportunity to build your network of data-driven peers and leading organizations.

When: June - August (full schedule [here](#))

Where: Virtual

Who: Open to PhD and Master's students who are graduating from academia and looking to transition into industry. Relevant fields include Computer Science, Math, Applied Math, Engineering, Financial Engineering, Statistics, Quantitative Finance, Data Analytics, Data Science, among other quantitative fields.

Cost: Free, by application only

How to Apply: [Apply Here!](#)

Deadline: May 6, 2023. The deadline is in a few weeks so we encourage students to apply as early as possible as our Admissions Committee works on a rolling basis.

If you'd like to find out more information about the program or sign up for DS4A / Women program, please visit our [website](#). If you know someone else who might benefit from this event, feel free to pass this link and information along!

FREE COURSE PROVIDED BY THE ASSOCIATION FOR WOMEN GEOSCIENTISTS

Starting March 1, 2023 American Geosciences Institute, in partnership with the AAPG Foundation is offering AGI Member Societies FREE access to the

Geologize online course, "Practical Geocommunication." This course, valued at \$400 per person, provides an excellent opportunity for geoscientists to become more effective and powerful public ambassadors for our field, something that is urgently needed. Given the challenges facing both our field and society more broadly, it has perhaps never been more vital to effectively communicate geoscience to the public and other stakeholders. **The free offer is available for one year**, so you are encouraged to take advantage soon!

How to get free access to the training:

- Go to the AGI [society landing page here](#).
- Click on the 'AGI Access' button
- Register for the course (free)
- Click on the link 'Have a Coupon?'
- Enter the code 'awg-agi-pggz-2324' to remove the price.

NAGT – 9TH ANNUAL EARTH EDUCATORS' RENDEZVOUS

The National Association of Geoscience Teachers (NAGT) is excited to announce that registration and abstract submissions are now open for the [ninth annual Earth Educators' Rendezvous, taking place in Pasadena, California, from July 10-14, 2023!](#) [registration](#), [programming](#), and [contributed program abstract submissions](#).

Register

Make sure you save your spot by [registering!](#) Register by the early registration deadline-- Wednesday, May 3--for the best rates. NAGT members receive \$100 off registration.

Learn more

Check out the [Rendezvous website](#) and [participant information](#) for more details.

2023 UNIDATA USERS WORKSHOP

The Users Committee of the Unidata Program Center based at UCAR has been hard at work organizing its next Triennial Workshop for this coming June. The workshop is titled "**Storytelling with Earth System Science Data: Challenges and Opportunities for Effective, Ethical, and Reproducible Science**" and will have four days of talks, active learning, and a workshop project that will enable participants to leave with tangible take-aways to positively impact your work moving forward.

To learn more about the workshop including the details of each days activities and speakers, visit the [workshop website](#).

This will be a fully hybrid workshop and we encourage attendance in whatever form makes the most sense for individual circumstances. There are funds available to support a limited number of students to be able to attend the workshop in person!

Registration is open now through May 12 - so don't delay and register today!

**SCHOLARSHIPS AVAILABLE -
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.**

OUTER PLANETS ASSESSMENT GROUP (OPAG)

May 2-3, 2023

Johns Hopkins University Applied Physics Laboratory
Laurel, MD/Virtual

[Meeting info](#)

**4TH INTERNATIONAL PLANETARY CAVES
CONFERENCE**

May 4-7, 2023

Haria Municipality, Lanzarote, Spain

[Meeting info](#)

**BRINES ACROSS THE SOLAR SYSTEM: ANCIENT AND
FUTURE BRINES CONFERENCE**

May 15-18, 2023

Reno, NV

[Meeting info](#)

ASTEROIDS, COMETS, & METEORS CONFERENCE

June 18-23, 2023

Flagstaff, AZ

[Meeting info](#)

6TH PLANETARY DATA WORKSHOP

June 26-28, 2023

Flagstaff, AZ

[Meeting info](#)

**URANUS FLAGSHIP: INVESTIGATIONS AND
INSTRUMENTS FOR CROSS-DISCIPLINE SCIENCE**

July 25-27, 2023

Pasadena, CA

[Meeting info](#)

**EXTRATERRESTRIAL MATERIALS ANALYSIS GROUP
(EXMAG)**

August 1-3, 2023

Virtual

[Meeting info](#)

**86TH ANNUAL MEETING OF THE METEORITICAL
SOCIETY**

August 13-18, 2023

Los Angeles, CA

[Meeting info](#)

2nd INTERNATIONAL ORBITAL DEBRIS CONFERENCE

December 4-7, 2023

Houston, TX / virtual

[Meeting info](#)

**PLANET CHARACTERIZATION IN THE SOLAR SYSTEM
AND THE GALAXY WORKSHOP**

February 21-23, 2024

Houston, TX / virtual

[Meeting info](#)

POSITIONS AVAILABLE- CAREER OPPORTUNITIES

NYS MESONET FIELD TECHNICIANS

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

**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](#)

TEACHER OF PLANETARY ATMOSPHERES – ISAE-SUPAERO IN TOULOUSE

The teacher-researcher selected will be attached to the DEOS department of ISAE-SUPAERO. She or he will contribute to the development and animation of research around their own themes. She or he will ensure the fundamental missions of a teacher in his field of competence (face to face teaching, management of teaching programs). She or he will also be responsible for maintaining and developing relations and cooperation with regional, national and international academic and industrial partners. [Link](#)

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 beginning August 2023. [Learn more here.](#)

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.](#)

METEOROLOGIST POSITIONS AVAILABLE TEGNA

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

BRYAN ENVIRONMENTAL CONSULTANTS

Homewood, IL

SEEKING PART-TIME TO FULL-TIME POSITIONS

- Bachelor's or Master's degree in environmental engineering, civil engineering, geotechnical engineering, geology
- Knowledge of State and Federal environmental regulations a plus
- Experience with Phase I and II Environmental Site assessments a plus
- Strong writing skills
- Proficient in all Microsoft Office applications
- Must have cell phone and computer (laptop)
- Valid Driver's License

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.

PURDUE ENVISION CENTER (UNDER ITAP)
RECRUITING EAPS STUDENTS

At the Envision Center looking to recruit EAPS students with background and interest in weather visualization. Details on the job opening can be found [here](#).

POSITIONS AVAILABLE IN METEOROLOGY AND
ATMOSPHERIC SCIENCE
[View current career listings](#)

AGI GEOSCIENCE JOB CENTER
[Check listings here.](#)

GRADIENT CORP
MULTIPLE OPPORTUNITIES

Please feel free to contact [Qianlai 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](#).