

EAPS WEEKLY NEWSLETTER

October 6, 2025

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EAPS MEETINGS & EVENTS

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CONGRATS, KUDOS, COOL STUFF, AND THUMBS UP!

- A big congratulations to Daniel Cziczco for being named an [AGU fellow](#)!
- Welcome, Sarah Sellgren, who will join EAPS as Business Manager beginning Oct. 20th!
- The new poster printer in the EAPS main office is available. All requests will be handled by the main office staff.

NEWS/OPPORTUNITIES AT PURDUE

EAPS SEMINAR

Thursday, October 9th, 3:30 pm in HAMP 1252.

Dr. Paola Crippa, Assistant Professor from the University of Notre Dame. Dr. Crippa's talk is titled "**Sensitivity of Coupled Meso- to Micro-Scale Wind Simulations over Complex Terrain.**" Hosted by Dr. Tanamachi.

Interested in meeting with the speaker? Click the link to view the speaker's itinerary and sign up for a meeting: [Itinerary and Abstract](#).

EAPS UNDERGRAD STUDENT RESEARCH OPPORTUNITIES

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

EAPS GRAD STUDENT RESEARCH OPPORTUNITIES

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

WESTWOOD LECTURE SERIES WITH MICHELLE THOMPSON

Purdue President Mung Chiang has announced the fall lineup for the [Westwood Lecture Series](#), which provides an opportunity for university faculty to interact with colleagues on scholarly work from a wide range of fields. Each lecture will take place from **4:30-5:30 p.m. at Westwood**, the Purdue president's residence.

Michelle Thompson will be speaking on **November 11** and will present findings from the analysis of asteroid Bennu samples returned by NASA's OSIRIS-REx mission.

ISF FALL RESEARCH EXPO

Join us for the annual ISF Fall Research Expo! Register your submission with an abstract before October 13th! The expo is on **October 15, 2025, from 1:00–4:00 PM in the Purdue Union South Ballroom (Poster set up to begin at 11:30 AM).** Register to present [here](#).

The poster session is an opportunity to highlight the wide range of sustainability research happening across campus. Faculty, post-docs, graduate students, and undergraduates are all invited to present posters on any area of sustainability

research—broadly connected to the [Sustainable Development Goals](#).

ClimART COMPETITION FOR PURDUE EAPS (and COLLABORATORS)

ClimART is a friendly climate and art competition for Purdue EAPS (and collaborators). This event celebrates both the art within your research and the science-inspired art you create for fun! We believe art is a powerful way to say "Hey, this is me" even on paper.

Wednesday, October 22, 2025, from 2:30 to 4:00 pm in HAMP 2201. The deadline to submit a piece is 11:45 pm on October 21.

The [QR code](#) will send you to the Microsoft 365 form, where you can see a little bit more about the event and submit your work.

If you have any questions, feel free to contact Jose A. Ocegueda Sanchez (jocegue@purdue.edu) or Ka Ying (ho234@purdue.edu), who is helping with the event organization.

2025 FALL UNDERGRADUATE RESEARCH EXPO

November 17-21 (See link above for more details)

The [Fall Expo](#) hosts undergraduate researchers to showcase the scholarly work and creative endeavors through posters, talks, and/or virtual presentations! The [application site](#) will open early September with **abstracts due October 16**. Please consider inviting students you mentor to present.

IWRRC LAUNCHES THE INDIANA WATER FELLOWS PROGRAM

The Indiana Water Fellows Program is an academic-year long program for undergraduates, designed to increase their exposure to critical water topics and available careers in Indiana's water workforce. We are looking for students who connect water to a wide range of fields - including sustainability, agriculture, energy, public health, policy, ecology, engineering, recreation, conservation, community, and more. There is no single "right" background for this program - their story and their unique connection to water are what matter most. The IWRRC is piloting this program at Purdue University. Each participant can expect:

- **\$1000 stipend** - Each Water Fellow receives \$1,000 stipend per academic year to participate.
- **Learning Community** - Be a part of an interdisciplinary cohort of students with similar interests

- **Attendance at a water conference in Indiana for FREE** - Fellows will attend one conference per academic year where you will develop networking and public speaking skills. Travels expenses and registration costs are covered.
- **Connection with Water Experts** - Fellows will connect with Indiana water experts through monthly meetings
- **Connection to water internships and jobs** - Fellows will learn about potential career options in the water field and make connections with employers with possible internships and job opportunities.

Applications are now open and available at <https://iwrcc.org/indiana-water-fellows/> until **October 16, 2025**.

If you have additional questions or concerns, please contact either Dr. Keith Cherkauer, Director, at cherkaue@purdue.edu, or Laura Esman at lesman@purdue.edu.

GER²¹ 2026 SUMMER RESIDENTIAL CAMPS TEACHER RECRUITMENT

If you are looking for funding source during summer 2026, we welcome and invite you to teach for Purdue's Gifted Education Research and Resource Institute (GER²¹) in our 1-, 2- or 4-week Summer Residential Camps (SRES), **June 28 - July 25, 2026**, for students with high ability in 5th-12th grades. We are seeking high-quality educators with experience in the STEM fields and/or the humanities to design their own course (30 hours of instruction) to share their expertise with our campers.

If you are interested in this opportunity to interact with students with high ability, please complete this teacher application

(https://purdue.ca1.qualtrics.com/jfe/form/SV_0PN_Cv028itOjT0y). **The deadline for proposing a course for the Summer Residential Program is Wednesday, October 1, 2025.** Please note that you do *not* have to submit full lesson plans with the application. If you are new to our program, we will schedule an interview with you to learn more about your course as well as contact your references.

If you have any questions about becoming an instructor, or if you would like more information about our camp, please feel free to contact Brendha Tanujaya, SRES Program Coordinator, at geri@purdue.edu or btanujay@purdue.edu.

FEDERAL FUNDING UPDATES

This site provides important information and updates from federal agencies that impact the Purdue University research enterprise.

<https://government-transition.research.purdue.edu/>

UNIVERSITY OF SCOUTING - GEOLOGY/OCEANOGRAPHY MERIT BADGE

On **Saturday, 6 December**, Scouting America (formerly Boy Scouts of America) will host a University of Scouting event on Purdue's campus. They are looking for volunteers who can teach the geology or oceanography merit badges (see attached). Courses can run 9am-12pm or 1-4pm. If you are interested, please reach out to Byron Haverstick, Chief Operating Officer of the Sagamore Council, at Byron.haverstick@scouting.org. He will work with you on supplies, pre-work from the scouts, background checks, etc.

DEFENSE CIVILIAN TRAINING CORPS - PURDUE UNIVERSITY

Purdue's Defense Civilian Training Corps (DCTC) is a new program that will build civilian careers in the Department of Defense relating to acquisition, digital technologies, critical technologies, science, engineering, and finance and more. The Defense Civilian Training Corps is a scholarship-for-civilian service award.

STREAMLINE CLIMATE & ATMOSPHERIC DATA ACCESS AT PURDUE

To better facilitate the atmospheric and climate science research within the Purdue community, RCAC is assessing the interest and current usage of key datasets and models. Our goal is to continue to grow centralized, ready-to-use data repository and pre-installed models in our cluster environment. This will reduce redundancy, streamline access, and optimize both time and resources across research groups. Please take the time to put your input in the survey link:

https://purdue.ca1.qualtrics.com/jfe/form/SV_3K91QLGCvyrCGwu

51 PEGASI B FELLOWSHIP

Purdue University is proud to be a host institution for the **Heising-Simons Foundation 51 Pegasi b Fellowship**, and we have 17 faculty mentors from the College of Science. The 51 Pegasi b Fellowship provides postdoctoral scientists with the opportunity to conduct

theoretical, observational, and experimental research in planetary astronomy.

The 51 Pegasi b 2025/2026 application period is now open. Applicants will be notified about The status of their applications by mid-February. Interested candidates are asked to submit an [online application here](#).

Check out our new website on the EAPS webpage here:

<https://www.eaps.purdue.edu/research/51pegbfellowship.html>

You can also email [Alexandria Johnson](#), who is Purdue's institutional contact.

NASA HUBBLE FELLOWSHIP PROGRAM

Purdue University has been officially named a host site for the **NASA Hubble Fellowship Program (NHFP)**, opening the door for top postdoctoral scientists to carry out independent astrophysics research on campus.

The competitive program is open to applicants who have completed their doctoral degree on or after Jan. 1, 2022. Applications for the next cycle are due **Oct. 29, 2025**, with offers expected in February 2026. Appointments begin Sept. 1, 2026. Go to the [NASA Hubble Fellowship Program](#) website for more information and to apply.

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](#).

Game night is the third Friday of each month.
Time: 6:00 PM to 9:00 PM.
Location: HAMP 2244

Ongoing:

- Purdue University Kids STEM Degree
- Science From the Expert

See all of our videos on the Superheroes of Science YouTube channel:

<https://www.youtube.com/c/SuperheroesofScience>

Social sites:

[Instagram](#)
[Facebook Superheroes of Science](#)

PUBLICATIONS

- Jones AG, Marcott SA, Shakun JD, **Lifton NA**, Gorin AL, Hidy AJ, Zimmerman SRH, Stock GM, Kennedy TM, Goehring BM, **Caffee MA**. Glaciers in California's Sierra Nevada are likely disappearing for the first time in the Holocene. *Sci Adv*. 2025 Oct 3; DOI: [10.1126/sciadv.adx9442](https://doi.org/10.1126/sciadv.adx9442)
- Liu, X.**, Zhang, Y. G., **Huber, M.**, Chang, P., & **Wang, L.** (2025). Connecting warming patterns of the paleo-ocean to our future. *AGU Advances*, 6, e2025AV001719. <https://doi.org/10.1029/2025AV001719>
- Collops, C.L., van der Beek, P., Amalberti, J., Sobel, E., **Tremblay, M.M.**, and Bernard, M., 2025, Evaluating the resolving power of apatite 4He/3He thermochronology: Insights from the Fish Canyon Tuff. *Geology*, <https://doi.org/10.1130/G53000.1>
- Teresa Fornaro, Sunanda Sharma, Ryan S. Jakubek, Giovanni Poggiali, John Robert Brucato, Rohit Bhartia, Andrew Steele, Ashley E. Murphy, Mike Tice, Mitchell D. Schulte, Kevin P. Hand, Marc D. Fries, William J. Abbey, Andrew Alberini, Daniela Alvarado-Jiménez, Kathleen C. Benison, Eve L. Berger, Sole Biancalani, Adrian J. Brown, Adrian Broz, Wayne P. Buckley, Denise K. Buckner, Aaron S. Burton, Sergei V. Bykov, Emily L. Cardarelli, Edward Cloutis, **Stephanie A. Connell**⁶, Cristina Garcia-Florentino, Felipe Gómez, Nikole C. Haney, Carina Lee, Valeria Lino, Paola Manini, Francis M. McCubbin, Michelle Minitti, Richard V. Morris, Yu Yu Phua, Nicolas Randazzo, Joseph Razzell Hollis, Francesco Renzi, Sandra Siljeström, Justin I. Simon, Anushree Srivastava, Nicola Tasinato, Kyle Uckert, **Roger C. Wiens**, Amy Williams (2025) Evidence for polycyclic aromatic hydrocarbons detected in sulfates at Jezero crater by the Perseverance rover. *Nat. Astron.* <https://doi.org/10.1038/s41550-025-02638-z>.
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- Wiens R.C.**, Cousin A., Clegg S.M., Gasnault O., Chen Z., Maurice S., and Shu R. (2025) Geochemistry of Mars with Laser-Induced Breakdown Spectroscopy (LIBS): ChemCam, SuperCam, and MarSCoDe. *Minerals* 15, 882, <https://doi.org/10.3390/min15080882>.
- Folarin, H., Hajian, N., Hill, K., & Laskin, A. (2025). Photodegradation-Driven Microparticle Release from Commercial Plastic Water Bottles. *Soft Matter*. <https://doi.org/10.1039/d5sm00469a>
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- Pérez Cortés, S.L., A.M. Bramson, C.M. Sowinski, M. Day** (2025) Scour pits in the Medusae Fossae Formation and Olympus Mons Region on Mars. *Journal of Geophysical Research: Planets*, 130, 7, e2024JE008664, <https://doi.org/10.1029/2024JE008664>.
- Hamill, C.D. , A.V. Johnson, M. Lodge, P. Gao, R. Nag, N. Batalha, D.A. Christie, and H.R. Wakeford** (2025): The Effects of Cuboid Particle Scattering on Reflected Light Phase Curves: Insights from Laboratory Data and Theory. *ApJ* **987** 176. Doi: 10.3847/1538-4357/add7cf
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- **Yuan, Y., Zhuang, Q.**, Zhao, B., & Shurpali, N. (2025). Impacts of permafrost degradation on N2O emissions from natural terrestrial ecosystems in northern high latitudes: A process-based biogeochemistry model analysis. *Global Biogeochemical Cycles*, 39, e2024GB008439. <https://doi.org/10.1029/2024GB008439>
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- Kelley, S., Doughty, A.M., Lifton, N., Pendleton, S., O'Brien, C., Warren, G., in press, Reconstructing the late Pleistocene glacial history of the Cairngorm Mountains, Scotland, using paired cosmogenic 10Be and 14C, *Journal of Quaternary Science*.
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- **S Wakita, B C Johnson**, J M Soderblom, J K Steckloff, **A V Johnson**, C D Neish, J Shah, P Corlies (2025) Impacts Into Titan's Methane- Clathrate Crust as a Source of Atmospheric Methane. *JGR Planets*, 130, 4. <https://doi.org/10.1029/2024JE008624>
- **Laferriere, K.L., A.M. Bramson, A. Gleason (2025)** Quantities of Ballistically Hopping Water Molecules on the Moon: Consistent With Exospheric Hydration Observations. *JGR-Planets*, 130, 4, e2024JE008628. <https://doi.org/10.1029/2024JE008628>
- **Petrini, E.Z. and M.M. Sori (2025)**, Layered remnant deposits in Hellas Planitia, Mars as the remains of ancient ice mounds, *Icarus*, 116604. <https://doi.org/10.1016/j.icarus.2025.116604>
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- **Vannier H**, Redfield S, Wood B E, Mueller H R, Linsky J L, Frisch P (2025). Mapping the Local Interstellar Medium: Using Hubble to Look Back at the ISM Along the Sun's

Historical Trajectory. *The Astrophysical Journal*, 981, 2, doi:10.3847/1538-4357/adb033

- **Chen, S., Liu, L.**, Ma, Y., **Zhuang, Q.**, & Shurpali, N. J. (2024). Quantifying global wetland methane emissions with in situ methane flux data and machine learning approaches. *Earth's Future*, 12, e2023EF004330. <https://doi.org/10.1029/2023EF004330>. [PDF](#)

MEETINGS/EXPOS/ OPPORTUNITIES OUTSIDE OF PURDUE

IAGD STUDENT PATHWAYS SCHOLARSHIP NOW OPEN

The International Association for Geoscience Diversity (IAGD) is now accepting applications for our Student Pathways Scholarship for the Fall 2025 cycle with a deadline of September 30th. This scholarship is a one-time award of \$750 for students with disabilities pursuing fields of studies within the geosciences. **The deadline is September 30th.** The scholarship is open to both full-time and part-time undergraduate and graduate students and can be used to cover the cost of tuition, rent, bills, or other financial obligations. [The direct link to the application form is here.](#)

If you have any questions, please reach out to the Chair of the Student Community Katelyn Frizzell kfrizze@asu.edu or alex.bearden@berkeley.edu.

2026 NSF NCAR GRADUATE VISITOR PROGRAM (GVP) FELLOWSHIP

Dline The NSF NCAR Advanced Study Program (ASP) is pleased to announce that we are now accepting applications from graduate students for the 2026 Graduate Visitor Program (GVP) Fellowship.

The **NSF NCAR Advanced Study Program (ASP) Graduate Visitor Program (GVP) Fellowship**, hosted by **NSF NCAR Education, Engagement, and Early-Career Development (EdEC)**, offers an excellent opportunity for graduate students to spend time at NSF NCAR working on their thesis, dissertation, or final project equivalent, with guidance from NSF NCAR scientists and engineers. The GVP also provides a chance to develop research collaborations at NSF NCAR and to participate in professional development workshops and seminars.

The fellowship covers travel expenses and provides a housing allowance for visits from 2 to 3 months. Visits longer than 3 months can be accommodated if the graduate student has additional co-sponsorship funds. Additionally, the fellowship supports travel for the student's advisor for a one-week visit during the student's time at NSF NCAR. **Apply/Nominate [here](#).** Applications close November 9th, 2025.

DOE'S OFFICE OF SCIENCE IS NOW ACCEPTING APPLICATIONS FOR GRADUATE STUDENT RESEARCH AWARDS

The U.S. Department of Energy's (DOE) Office of Science is pleased to announce that the Office of Science Graduate Student Research (SCGSR) program is now accepting applications for the 2025 solicitation 2 cycle. **Applications are due on Wednesday, November 5, 2025, at 5:00 p.m. ET.** SCGSR application assistance workshops will be held on September 11, 2025, 2:00 p.m.–3:30 p.m. ET ([register on Zoom](#) for the first workshop) and October 9, 2025, 2:00 p.m.–4:30 p.m. ET ([register on Zoom](#) for the second workshop). More information on the SCGSR program can be found by visiting the [SCGSR program website](#), by [emailing the SCGSR team](#).

UCAR STUDENT OPPORTUNITIES WEBSITE

Check the opportunities website for opportunities at UCAR.

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.

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.

RECRUITMENT FOR CoCoRaHS

The Community Collaborative Rain, Hail, and Snow Network (CoCoRaHS) is looking for more weather observers throughout Indiana and beyond. By participating in CoCoRaHS, farmers contribute valuable data that supports better agricultural decisions, weather-related products, and faster recovery during severe weather events. The application for U.S. participants is at <https://www.cocorahs.org/application.aspx>

**WORKSHOP ON BENNU AND RYUGU:
SAMPLES FROM THE EARLY SOLAR SYSTEM**

October 7-9, 2025
Houston, TX / Virtual
[Meeting info](#)

AMERICAN GEOPHYSICAL UNION (AGU) 2025

December 15-19, 2025
New Orleans, LA
[Meeting info](#)

SECOND WORKSHOP ON ICES IN THE SOLAR SYSTEM

January 5-7, 2026
Montreal, Canada
[Meeting info](#)

106TH AMS ANNUAL MEETING

January 25-29, 2026
Houston, TX / Virtual
[Meeting info](#)

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 [David Siple](#) **by 5:00 pm 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](#).

POSITIONS AVAILABLE- CAREER OPPORTUNITIES

- **Tenure Track Position at Lehigh –** Applications must be submitted by Oct. 27th. Email Prof. Joan Ramage at ramage@lehigh.edu.
- **[Assistant Professor of Meteorology-Aviation](#) –** Tenure-Track University of Oklahoma, Norman, OK
- **[Future Faculty in the Physical Sciences \(FFPS\) Fellowship](#) –** Princeton
- **[Multiple Positions](#) with Enviroforensics**
- **Meteorology and Atmospheric Science – [multiple positions from various companies](#)**
- **AGI Geoscience Job Center – [multiple positions](#)**
- **Gradient Corp – [multiple opportunities](#).** contact [Qian Zhang](#)
- **National Weather Service – [multiple opportunities](#)**