PURDUE UNIVERSITY | Department of Earth, Atmospheric, and Planetary Sciences

EAPS WEEKLY NEWSLETTER

December 8, 2025

Facebook LinkedIn Instagram Website

EAPS MEETINGS & EVENTS

PURDUE REGISTRAR CALENDARS

EAPS SEMINARS AND EVENTS CALENDAR

EAPS K-12 OUTREACH CALENDAR OF EVENTS

REPORT YOUR OUTREACH AND ENGAGEMENT ACTIVITIES

CONGRATS, KUDOS, COOL STUFF, AND THUMBS UP!

- AGU is coming up (**December 15-19**)! We are excited and preparing for a fun week in New Orleans!
  - To sign up for the EAPS Alumni Mixer in New Orleans on December 18th @ 7 PM at The Chicory, register here.
- GSA is excited to begin planning the annual EAPS Pet Calendar!
  - Just like in previous years, this calendar will celebrate the adorable pets in our department with a cute, featured photo and a short bio! If you are interested in purchasing a copy of the calendar and/or would like to include your pet(s) in this edition, please fill out this form! https://forms.gle/4ajyKJwCZfq928c38 (Must be logged into a Google account) Please fill out the form by **Monday, December 15th**. A final price estimate, payment deadline, and delivery details will be sent out soon. The calendar will likely cost $15-20, with all funds helping GSA. If you have any questions, feel free to email aguila40@purdue.edu.

NEWS/OPPORTUNITIES AT PURDUE

EAPS SEMINAR

Thursday, December 11, 3:30 pm in HAMP 1252. Dr. Mauricio Ibañez-Mejia's talk is entitled "**Caught in the Act: lower-crust formation and gravitational loss in the north Andean arc**"
Interested in meeting with the speaker? Click the link to view the speakers 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.

EAPS COMMUNITY HOURS

On behalf of the **EAPS Community and Belonging Committee**, we will resume the *EAPS Community Hours*. These will be from **3 - 4 pm on Tuesdays** and have **HAMP 2201** reserved.
This is a time for folks to come hang out, gripe, play Jenga, knit, work in the corner, stare at the wall, make a new plot, don't make a new plot, talk about a new paper or current events, drink a coffee, brainstorm, and just be together.
Note: Occasionally, there might be another department event in the room, so if the 2201 door is shut or looks like something else is going on in there, gingerly check with folks in the room or look at the schedule that is posted on the door before barging in.

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/

2025 EAPS WINTER RECEPTION

This year's *EAPS Winter Reception* will be on **Friday, December 12, from 5:00 - 7:00 PM in Hampton Hall.** Appetizers and drinks will be provided. Food will be in HAMP 2201 and the bar will be in HAMP 2244. (*Bar*

open to those at least 21 years of age with proof of ID)
***Please RSVP** to Tracy McGirt (tmcgirt@purdue.edu) to let us know you are coming.
Come join your EAPS friends, faculty, and staff for some festive winter fun!

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.

VOLUNTEER OPPORTUNITY WITH PURDUE SCIENCE OLYMPIAD

The Purdue Science Olympiad is a K-12 STEM competition where middle and high school students compete in 46 events each centering around a different topic in STEM, including several Earth science events. As college students, we plan, prepare, and run the entire tournament for these competitors. For example, our Rocks and Minerals event gives students the chance to identify rocks and minerals as well as demonstrate their understanding of geologic processes and development of natural resources.

On **January 31st**, we will be hosting the Purdue Science Olympiad Invitational tournament for over 1,000 middle and high school students. This competition is a wonderful opportunity to help encourage and facilitate their passion for science as well as showcase why Purdue is a powerhouse in STEM. Since our club is entirely student run, we need about *300 volunteers on January 31st* for the tournament. On the day of the competition, it takes a huge effort to proctor tests, run builds, grade tests, and make sure all students and educators are being taken care of. We would love to partner with EAPS students and staff to help us run this event!

If you are interested in volunteering with us, please fill out this form to sign up and get on our email list for further information. All volunteers will be given breakfast, lunch, and a free t-shirt. We deeply appreciate the several EAPS students who have already helped us by writing exams and hope to see many more on the day of the tournament! If you have any questions, please feel free to email Christina Sowinski at csowinsk@purdue.edu or visit our website for more information.

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

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 will be announced later.

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.

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

- Orellana-Salazar, Y., Marcott, S.A., **Tremblay, M.M.**., Romero, M., Moreno-Yaeger, P., Mixon, E.M., Jones, A.G., and Barth, A.M., 2026, **A 3He-based glacial chronology from Villarrica volcano, Chile**. *Quaternary Science Reviews*, v. 372, 109707. doi:10.1016/j.quascirev.2025.109707
- **S. A. Connell, R. C. Wiens,** L. Mandon, **C. C. Bedford,** S. Siljeström, S. Schröder, G. M. Martínez, Á. Vicente-Retortillo, E. A. Cloutis, D. M. Applin, A. Broz, C. Royer, J. R. Johnson, J. Van Beek, T. Nelson, E. Clavé, F. Poulet, P. Beck, E. Dehouck, T. Fornaro, T. Fouchet, A. Jones, A. Alberini, A. Cousin, K. Hand, K. Uckert, J. A. Rodríguez-Manfredi, K. M. Stack, and the Mars 2020 team (2025), "Abrasion Patch Dehydration Experiment at Bright Angel, Jezero Crater, Using SuperCam Onboard the Mars 2020 Perseverance Rover." *Journal of Geophysical Research: Planets,* DOI: 10.1029/2025JE009243
- Molina, M. J., A. McGovern, J. S. Perez-Carrasquilla, and **R. L. Tanamachi,** 2025: Using Generative Artificial Intelligence Creatively in the Classroom: Examples and Lessons Learned. *Bulletin of the American Meteorological Society*, 106(11), E2346–E2357, https://doi.org/10.1175/BAMS-D-24-0009.1.
- University Corporation For Atmospheric Research (UCAR), 2025: Dual-Polarization Fundamentals. https://learn.meted.ucar.edu/#/online-courses/a1a6cba8-c509-49ba-9d50-5dc3e2184fb3 [**R. Tanamachi** is the subject matter expert.] (Login required)
- Golombek, M., Hibbard, S., Bloom, C., **Deahn, M.,** Warner, N., Williams, N., et al. (2025). Corinto: A young, extensively rayed crater that produced a billion secondaries on Mars. *Journal of Geophysical Research: Planets*, 130, e2025JE009150. https://doi.org/10.1029/2025JE009150
- **Sori, M.M.**, A.I. Ermakov, and J.T. Keane (2025), An orbital gravity mission could decipher the global dichotomy on Mars, *Nature Geoscience*. https://doi.org/10.1038/s41561-025-01817-x
- 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
- **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
- Colleps, 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**[G], 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.
- Hurowitz J.A., M.M. Tice, A.C. Allwood, M.L. Cable, K.P. Hand, A.E. Murphy, K. Uckert, J.F. Bell III, T. Bosak, A.P. Broz, E. Clave, A. Cousin, S. Davidoff, E. Dehouck, K.A. Farley, S. Gupta, S-E Hamran, K. Hickman-Lewis, J.R. Johnson, A.J. Jones, M.W.M. Jones, P.S. Jørgensen, L.C. Kah, H. Kalucha, T.V. Kizovski, D.A. Klevang, Y. Liu, F. M. McCubbin, E.L. Moreland, G. Paar, D.A. Paige, A.C. Pascuzzo, M. S. Rice, M.E. Schmidt, K.L. Siebach, S. Siljeström, J.I. Simon, K.M. Stack, A. Steele, N.J. Tosca, A.H. Treiman, S.J. VanBommel, L.A. Wade, B.P. Weiss, **R.C. Wiens**, K.H. Williford, R. Barnes, P.A. Barr, A. Bechtold, P. Beck, K. Benzerara, S. Bernard, O. Beyssac, R. Bhartia, A.J. Brown, G. Caravaca, E.L. Cardarelli, E.A. Cloutis, A.G. Fairén, D.T. Flannery, T. Fornaro, T. Fouchet, B. Garczynski, F. Goméz, E.M. Hausrath, C.M. Heirwegh, C.D.K. Herd, J.E. Huggett, J.L. Jørgensen, A.Y. Li, J.N. Maki, L. Mandon, N. Mangold, J.A. Manrique-Martinez, J. Martínez-Frias, J. I. Núñez, L.P. O'Neil, B.J. Orenstein, N. Phelan, C. Quantin-Nataf, P. Russell, M.D. Schulte, E. Scheller, S. Sharma, D.L.

Shuster, A. Srivastava, B.V. Wogsland, Z.U. Wolf (2025) Redox-Driven Mineral and Organic Associations in Jezero Crater, Mars, *Nature*, https://www.nature.com/articles/s41586-025-09413-0. (publication date 9/11/25)

- **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
- Xie, Q., Windwer, E., Morton, I. S., Lavin, K. E., Halpern, E. R., Nissenbaum, D., Nizkorodov, S. A., Rudich, Y., & Laskin, A. (2025). Molecular characterization of composition and volatility of ambient organic aerosol sampled by an UAV-Mounted portable aethalometer. *Analytical Chemistry*. https://doi.org/10.1021/acs.analchem.5c03027
- Fang, Z., Lai, A., Windwer, E., Pardo, M., Li, C., Chandran, A. T., Laskin, A., & Rudich, Y. (2025). Investigating the oxidative potential and in vitro toxicity of ambient Water-Soluble PM10 in an eastern Mediterranean site. *ACS ES&T Air*, *2*(7), 1326–1338. https://doi.org/10.1021/acsestair.5c00085
- Li, W., Ito, A., Wang, G., Zhi, M., Xu, L., Yuan, Q., Zhang, J., Liu, L., Wu, F., Laskin, A., Zhang, D., Zhang, X., Zhu, T., Chen, J., Mihalopoulos, N., Bougiatioti, A., Kanakidou, M., Wang, G., Hu, H., . . . Shi, Z. (2025). Aqueous-phase secondary organic aerosol formation on mineral dust. *National Science Review*, *12*(7). https://doi.org/10.1093/nsr/nwaf221
- D.M. Murphy, M. Abou-Ghanem, A.T. Ahern, C.A. Brock, D.J. Cziczo, E.J. Hintsa, J.L. Jacquot, M.J. Lawler, M. Lyu, F.L. Moore, M.A. Robinson, J.M. Roberts, G.P. Schill, X. Shen, T.D. Thornberry,& P.R. Veres, Perchlorate in stratospheric aerosol particles, Proc. Natl. Acad. Sci. U.S.A. 122 (31) e2512783122, https://doi.org/10.1073/pnas.2512783122 (2025)
- **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
- **Liu, Z., Wang**, L. Blocking diversity causes distinct roles of diabatic heating in the Northern Hemisphere. *Nat Commun* **16**, 5613 (2025). https://doi.org/10.1038/s41467-025-60811-4
- **Tremblay, M.M.**, Fayon, A.K., **Guo, H.**, Zeitler, P.K., and Idleman, B.D., 2025, Deformation modulates helium diffusion behaviour in apatite. Geochemical Perspective Letters. doi: 10.7185/geochemlet.2523
- **Mijjum, M.**, and **Tremblay, M.M.**, 2025, Helium Diffusion Kinetics in Enstatite, Kamacite, and Albite, With Implications for the Cosmic Ray Exposure Ages of Enstatite (E) Chondrites. ACS Earth and Space Chemistry. doi: 10.1021/acsearthspacechem.5c00112
- **S.A. Connell**, D.M. Applin, E.A. Cloutis, J.T. Poitras, D.T. Dixon, S.A. Mertzman, P. Mann, C. Royer, T. Fornaro, A. Broz, R.C. Wiens (2025), "Spectral reflectance (0.35–2.50 μm) properties of minerals and organic-bearing compounds exposed to current Martian surface conditions" Icarus, https://doi.org/10.1016/j.icarus.2025.116712.
- Rapp, C. N., Wolf, M. J., Zhang, Y., Zawadowicz, M. A., Dooley, K., Biller, S. J., … **Cziczo, D. J**. (2025, June 4). "Ice-nucleating properties of glassy organic and organosulfate aerosol." *Atmospheric Chemistry and Physics*, *25*(11), 5519–5536. https://doi.org/10.5194/acp-25-5519-2025
- Hongcheng Guo, **Marissa M. Tremblay**, Peter K. Zeitler, Bruce D. Idleman, Annia K. Fayon, 2025. Systematics of helium diffusion sinks in apatite demonstrated by 4He/3He degassing experiments and modeling, Geochimica et Cosmochimica Acta, https://doi.org/10.1016/j.gca.2025.05.036.
- **Guo, H.**, **Tremblay, M.M.**, Zeitler, P.K., Idleman, B.D., and Fayon, A.K., 2025, Systematics of helium diffusion sinks in apatite demonstrated by 4He/3He degassing experiments and modeling, *Geochimica et Cosmochimica Acta.* https://doi.org/10.1016/j.gca.2025.05.036
- **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
- Andersen, J.L., Lifton, N.A., Linge, H., Stuart, F., Olsen, J., Pedersen, V.K., in press, Ice-burial history and early Holocene thinning of the Scandinavian Ice Sheet at Gaustatoppen, southern Norway, Quaternary Science Reviews.
- 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.
- Ćuk, M., Anand, K. P., & Minton, D. A. (2025). Two possible orbital histories of Phobos. *The Planetary Science Journal*, *6*(4), 89. https://doi.org/10.3847/psj/adc1ba

MEETINGS/EXPOS/ OPPORTUNITIES OUTSIDE OF PURDUE

DBER REU AT MTSU FOR SUMMER 2026

The Mathematics and Science Education (MSE) Research Community at Middle Tennessee State University (MTSU) will be hosting *RAIDERS, an REU Advancing InterDisciplinary Education Research in STEM in Summer 2026.*

If you, or someone you know, is interested in making discoveries about how students learn Science, Technology, Engineering, and/or Mathematics (STEM) by joining an interdisciplinary community of STEM education researchers, this is the REU for you!

The summer 2026 session will offer 10 project choices across the STEM disciplines (see project descriptions at https://urc.mtsu.edu/raider-reu/).

After completing the 8-week REU in July, undergraduate researchers will return to MTSU in January to present their research at the Southeastern STEM Education Research Conference (SSERC).

We are looking for STEM majors or pre-service STEM teachers interested in how people learn.

The program will run from **May 31 – July 25, 2026**.

Selected participants will:

- Receive a **$6,300 stipend.**
- Receive travel to and from MTSU (35 miles southeast of Nashville) and housing and a meal allowance for the summer.
- Receive funding to attend and present their work at the Southeastern STEM Education Research Conference (SSERC) in January 2027.

Please share this opportunity with interested undergrads. Applications should be submitted via NSF's ETAP system: https://etap.nsf.gov/award/8341/opportunity/11487 **Application deadline is February 2, 2026.**

If you or your students have any questions, comments, or excitements – feel free to reach out at jennifer.kaplan@mtsu.edu

---

2026 NSF NCAR EARTH SYSTEM SCIENCE INTERNSHIP (NESSI)

Applications for the **2026 NSF NCAR Earth System Science Internship (NESSI)** are now open to undergraduate students! Hosted by NSF NCAR Education, Engagement, and Early Career Development (EdEC), NESSI offers a wide range of research topics, including but not limited to atmospheric science, computational science, engineering, and solar & space physics. Convergence science and interdisciplinary projects are also available. NESSI is designed not only to foster research skills but also to support students through dedicated mentoring and to strengthen their connection to the broader Earth system science community.

Application Period: **November 10, 2025 – January 4, 2026.** Learn More & Apply**: NESSI Program Webpage** https://edec.ucar.edu/students/nessi

We encourage you to **share this opportunity with your networks**. For additional information on student opportunities, please visit the NSF NCAR, UCAR, and UCP Opportunities webpage.

If you have any questions about NESSI, please don't hesitate to reach out to the NESSI Team (nessi@ucar.edu).

2026-27 WILLIAM L. FISHER AGI CONGRESSIONAL GEOSCIENCE FELLOWSHIP

The American Geosciences Institute is accepting applications for the 2026-2027 William L. Fisher AGI Congressional Geoscience Fellowship.

This fellowship represents a unique opportunity to gain first-hand experience with the legislative process on Capitol Hill. The successful candidate will spend 12 months (starting September 1, 2026) in Washington, D.C., working as a staff member in the office of a member of Congress or congressional committee. Fellows make practical contributions to the effective and timely use of geoscientific knowledge on issues relating to the environment, resources, natural hazards, and federal science policy.

Funding for the fellowship is provided through an endowment established by the AGI Foundation to honor William L. Fisher, the Leonidas T. Barrow Centennial Chair in Mineral Resources and Professor at the John A. and Katherine G. Jackson School of Geosciences at the University of Texas, Austin.

This one-year fellowship carries a stipend of $78,000 plus allowances for relocation, travel and health insurance. **Deadline: January 26, 2026**

Check out their website for more information.

FULLY FUNDED MAT EARTH SCIENCE PROGRAM

The Master of Arts in Teaching Earth Science Residency Program in the Richard Gilder Graduate School at the American Museum of Natural History in New York City is **looking for graduates with Earth and space science backgrounds, including those graduating in 2026** (geology, mineralogy,

paleontology, oceanography, astronomy, environmental geology, and more) who want to make a difference in the world of STEM education. This teaching fellowship combines coursework, mentoring, and real-world experience to prepare Earth and space science graduates for **rewarding careers as culturally responsive middle and high school teachers.**
All degree candidates will receive **free tuition, books, and a $40,000 stipend** towards the cost of living**.** In return, candidates commit to teaching in a high-needs school in New York City for two years. With a sole focus on preparing new Earth science teachers, the program is a full-time, 15-month Master's degree program that takes place at the Museum and in urban partner schools. We seek a student body with a passion for social justice and diverse life and career experiences.
We are currently accepting applicants for the class that will begin in June 2026. Prospective students are encouraged to attend an Information Session or to contact us for more information.
Check out more program information here.

EXPLORERS CLUB IMPACT GRANTS

Fieldwork in the following disciplines will be considered: biological sciences, archaeology, anthropology, paleontology, earth sciences, ecology, and astronomy, as well as exploratory projects that reveal new knowledge about the planet and its inhabitants, including regions undergoing significant environmental or cultural change. While there may be lab components of a project, grants provide funding for projects that are largely based upon a field expedition. Fieldwork can be rugged and adventurous, but the program will not consider projects purely focused on adrenaline sports or physical feats. Adventure with a purpose, combining adventure with genuine conservation or scientific objectives, will be considered.
Check out their website here!

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

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 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

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

2026 AAAS (AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE) ANNUAL MEETING
February 12-14, 2026
Phoenix, AZ / Virtual
Meeting info

LUNAR and PLANETARY SCIENCE CONFERENCE (LPSC)
March 16-20, 2026
The Woodlands, TX / Virtual
Meeting info

37th CONFERENCE ON HURRICANES AND TROPICAL METEOROLOGY
March 30 to April 3, 2026
San Diego/La Jolla, CA / Virtual
Meeting info

POSITIONS AVAILABLE- CAREER OPPORTUNITIES

- **Associate / Full Professor – Geology and Geophysics Faculty Positions –** The College of Petroleum Engineering & Geosciences (CPG) at King Fahd University of Petroleum and Minerals (KFUPM) is pleased to share an exciting opportunity for experienced researchers interested in faculty positions, as well as for recent PhD graduates seeking postdoctoral roles.
- **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**

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.