

# EAPS WEEKLY NEWSLETTER

October 10, 2022

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## EAPS MEETINGS & EVENTS

[PURDUE CALENDAR 2022-23](#)

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

[REPORT YOUR OUTREACH AND ENGAGEMENT  
ACTIVITIES](#)

## NEWS/OPPORTUNITIES AT PURDUE

### EAPS COLLOQUIUM – DARCY PETER

Thursday, October 13-  
3:30 – 4:30pm  
Virtual

Darcy Peter is an Environmental Scientist at the  
Alaska Conservation Foundation  
Host: Moe Mijum

### ASIAN AMERICAN AND ASIAN RESOURCE AND CULTURAL CENTER (AAARCC)

Fall 2022 Programming and AAARCC Speaker Series  
have been announced. The AAARC plans for  
weekly events, fun times, speakers, and gatherings.  
[Check it out!](#)

### 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.

## PUBLICATIONS

- **Hinze, W.J.**, 2022, From Compass to Drone: The Evolving Role of Magnetics In Mapping the Geology and Ore Deposits Of the Lake Superior Region:1830-2022, Minnesota Geological Survey Open File Report OFR-22-8, 129p.
- Villa, I.M., Holden, N.E., Possolo, A., **Ickert, R.B.**, Hibbert, D.B., Renne, P.R., Bonardi, M.L., Bièvre, P.D., 2022. IUGS–IUPAC recommendations and status reports on the half-lives of 87Rb, 146Sm, 147Sm, 234U, 235U, and 238U (IUPAC Technical Report). Pure and Applied Chemistry. <https://doi.org/10.1515/pac-2021-1202>.
- **Bramson, A.M.**, L.M. Carter, G.W. Patterson, **M.M. Sori**, G.A. Morgan, L.M. Jozwiak, C.A. Nypaver, J.T.S. Cahill (2022), Burial Depths of Extensive Shallow Cryptomaria in the Lunar Schiller-Schickard Region. The Planetary Science Journal, 3, 216, <https://doi.org/10.3847/PSJ/ac8670>.

## OUTREACH NEWS

Don't forget to submit any activities you do with K-12:  
<https://bit.ly/EAPSOut>

### **OPPORTUNITIES FOR PARTICIPATING IN OUTREACH PROGRAMS IN THE FALL OF 2022:**

#### **Hands on Purdue and AP Fridays:**

- The Hands-on Purdue program is for middle school and high school classes. These labs provide students with hands-on science labs in the K-12 Outreach Lab in the Brown building on the West Lafayette Campus.
- [Web Site](#)

#### **Virtual Labs**

If you like to help but not necessarily hands on. We create virtual labs and other programs for teachers and students. Examples of [virtual labs](#), [virtual student programs](#), and [demos](#)  
**[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)

**Social sites:**

[TikTok SuperHeroesofScience](#)   [Twitter](#)  
[Facebook EAPS Outreach](#)   [Instagram](#)  
[Facebook Superheroes of Science](#)  
[EAPS departmental outreach web page](#)

## MEETINGS/EXPOS/ OPPORTUNITIES OUTSIDE OF PURDUE

### INDIANA STORMCHASERS CON (INCHASERCON)

NOV. 5, 2022

Hendricks Co Convention Center, located at 1900 E  
Main St, Danville, IN 46122

[Meeting info](#)

Join us for any weather enthusiast, storm chaser, the 11<sup>th</sup> annual Indiana Storm Chasers Convention! Open to meteorologist, and the public! NOT limited to those in Indiana. [Registration is open](#). One of the [Featured Speakers](#) is our very own Robin Tanamachi!

### 2023 NOAA LAPENTA STUDENT INTERNSHIPS

Applications are now open for the [2023 NOAA Lapenta Student Internship](#)

- Open to undergrads sophomores, juniors, and grad students
- Internship dates: 6/5/23 - 8/11/23
- Apply by January 5th

There will be two information sessions for interested students:

**October 27, 2-4 pm EDT**

<http://meet.google.com/evj-bapt-ocx>

**December 8, 1:30-3:30 pm EDT**

<http://meet.google.com/zzd-upba-wtd>.

Lapenta staff members will be on hand to answer questions and provide application guidance.

### CIVIL ENGINEERING CAREER FAIR OPEN TO ALL STUDENTS

The Civil Engineering Student Advisory Council (CESAC) would like to invite EAPS students to this year's annual CESAC Civil Engineering Career Fair, occurring in-person on **October 13th from 9am-3pm**

in the CoRec, and virtually on October 18th from 1-5pm on CareerFair+.

This year, we have a record-breaking 175 companies coming to campus in-person, and 30+ companies attending virtually, our largest ever combined career fair.

We would greatly appreciate if you could forward this invitation onto your students. If they would like more information regarding details about the fair and its supporting events, they may visit [www.purduecesac.org](http://www.purduecesac.org).

### POSTER AND RESEARCH TALK JUDGES NEEDED FOR 2022 FALL EXPO

Currently seeking faculty, staff, post-docs, and graduate students to help in judging posters and research talks both in-person and virtually for the 2022 Fall Expo. Many students wanting to take the opportunity to present in-person are anticipated. Those who are interested and available can indicate their interest using the [Qualtrics link](#) on the [Judging Registration website](#). Individuals can sign up to judge in-person posters in morning (10-11:30) or afternoon (1-2:30) sessions on Monday, Nov. 14 in the PMU Ballrooms, research talks on Wednesday, Nov. 16 in STEW 214, and/or virtual presentations that can be judged Nov. 14-17. Note: This is the first time the Fall Expo will be formally judged with awards distributed to top presentations.

### MASTER OF ARTS IN TEACHING EARTH SCIENCE RESIDENCY PROGRAM ACCEPTING APPLICATIONS

[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 (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 \$30,000 living stipend.** In return, candidates commit to teaching in a high-needs school for three 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 2023. Prospective students are encouraged to attend an Information Session or to contact us for more information. Please share this email with your students and colleagues. You can also visit the program website to learn more and/or join our mailing list (make sure to click MAT for Earth Science Grads). For questions, you can contact the program office directly <mailto:atmat@amnh.org> or (212) 313-7464.

### **INNOVATED SEEKING GRAD STUDENT SUBMISSIONS**

The Graduate School is seeking article submissions for the 2022-23 edition of its graduate research magazine, InnovatED! InnovatED is Purdue University's premier graduate research magazine. Its mission is to showcase the influential and inspirational graduate research conducted at our university. Each publication features ten students, selected by Graduate School leadership.

#### **Graduate Students:**

##### *What's Required?*

- Submissions should be in the form of a popular press piece and should consist of 700 to 800 words. To get an idea of how submissions should be formatted, students can check out the 2021- 22 edition of InnovatED.

##### *Why Submit?*

- The student author or co-authors selected will receive an award of \$250 per accepted manuscript, with the cover story receiving \$500.
- Students selected for publication will receive one-on-one coaching focused on communicating complex information to a lay audience.
- Research published in InnovatED is shared widely, reaching readers in more than 45 countries.

**The submission deadline for the 2022-23 Edition is November 11.** Those interested can learn more and [submit here](#).

### **DOD SMART SCHOLARSHIP** **APPLY AUG. 1 – DEC. 1**

The [\*\*Science, Mathematics, and Research for Transformation \(SMART\) Scholarship-for-Service Program\*\*](#) is now accepting applications. SMART offers students pursuing a bachelor's, master's, or Ph.D. in science, technology, engineering, and mathematics (STEM) fields an opportunity to receive a full scholarship and guaranteed civilian

employment with the Department of Defense upon degree completion. SMART offers students the chance to pursue their passion in STEM while supporting the mission of the Department of Defense.

#### Eligibility Requirements:

- Be a U.S. Citizen
- Be 18 years of age or older
- Minimum GPA of 3.0 on a 4.0 scale
- Be pursuing a bachelor's, master's, or Ph.D. in one of the [21 STEM fields](#)

**Application deadline is December 1, 2022.**

Students can view the [SMART videos](#) and visit [smartscholarship.org](http://smartscholarship.org) to learn more.

[Click here](#) to access a flyer and other materials about the program.

### **PROFESSIONAL GEOLOGISTS OF INDIANA -** **UNDERGRADUATE GEOLOGY FIELD CAMP** **SCHOLARSHIP ANNOUNCEMENT**

Professional Geologists of Indiana (PGI) is pleased to announce a \$500 scholarship to be awarded to a deserving undergraduate student to help offset the tuition costs associated with attending field camp. We would greatly appreciate your assistance in communicating this opportunity to applicable students at your Indiana institution! Application details are below.

**Who can apply?** Any undergraduate geology major enrolling in field camp for the 2023 summer.

**How to apply?** Craft a one-page (or less) PDF application that includes the following:

- an introduction about yourself,
- a description of the skills you are looking forward to learning at field camp, and
- a description of your future geological aspirations following completion of your degree.

**Where to apply?** Send your PDF application to: [profgeologistsofin@gmail.com](mailto:profgeologistsofin@gmail.com), and insert "student scholarship application" in the email subject line.

**When to apply?** All applications MUST be submitted by **October 15, 2022** (11:59 PM EST).

The recipient will be invited to attend the PGI annual meeting on November 9, 2022, in Indianapolis, Indiana, where PGI board members would like to introduce the scholarship recipient to other PGI members. The chosen recipient will be notified prior to the annual meeting.

### **FORD FOUNDATION FELLOWSHIP PROGRAMS** **LEARN MORE**

Through its program of fellowships, the Ford Foundation seeks to increase the diversity of the nation's college and university faculties by increasing their ethnic and racial diversity, maximize the educational benefits of diversity, and increase the number of professors who can and will use diversity as a resource for enriching the education of all students.

Predoctoral, dissertation, and postdoctoral fellowships are awarded in a national competition administered by the National Academies of Sciences, Engineering, and Medicine on behalf of the Ford Foundation.

Eligibility to apply for a Ford fellowship is limited to:

- All U.S. citizens, U.S. nationals, and U.S. permanent residents (holders of a Permanent Resident Card); individuals granted deferred action status under the Deferred Action for Childhood Arrivals Program; 1 Indigenous individuals exercising rights associated with the Jay Treaty of 1794; individuals granted Temporary Protected Status; asylees; and refugees, regardless of race, national origin, religion, gender, age, disability, or sexual orientation;
- Individuals with evidence of superior academic achievement (such as grade point average, class rank, honors or other designations); and
- Individuals committed to a career in teaching and research at the college or university level in the U.S.

#### **2023 Competition Dates**

- 2023 Dissertation and Postdoctoral application deadlines: December 8, 2022, 5:00 PM Eastern Standard Time (EST)
- 2023 Predoctoral application deadline: December 15, 2022, 5:00 PM Eastern Standard Time (EST)
- Supplementary Materials deadline for submitted applications January 5, 2023, 5:00 PM Eastern Standard Time (EST)
- Notification of 2023 awards: TBD

#### **EXTRATERRESTRIAL MATERIALS ANALYSIS GROUP**

##### **(ExMAG) FALL MEETING**

October 12–13, 2022

Virtual

[Meeting Info](#)

#### **OCEAN WORLD ANALOG FIELD SITE ASSESSMENT WORKSHOP**

October 13–15, 2022

Denver, Colorado/Virtual

[Meeting info](#)

#### **SMD BRIDGE PROGRAM WORKSHOP**

October 17–21, 2022

Virtual  
[Meeting info](#)

#### **APOLLO 17 – ANGSA WORKSHOP**

October 26–28, 2022

Lunar Planetary Institute  
Houston, Texas

[Meeting info](#)

#### **EXOPLANETS IN OUR BACKYARD 2**

NOVEMBER 2-4, 2022

Albuquerque, New Mexico  
(location changed)/Virtual

[Meeting Info](#)

#### **LUNAR POLAR VOLATILES CONFERENCE**

Houston, TX/Virtual

Nov. 2-4, 2022

[Meeting Info](#)

#### **20TH MEETING OF THE VENUS EXPLORATION**

##### **ANALYSIS GROUP (VEXAG)**

November 7-9, 2022

Albuquerque, New Mexico  
(location changed)/Virtual

[Meeting Info](#)

#### **OUTER PLANETS ASSESSMENT GROUP (OPAG) MEETING**

November 15–16, 2022

Houston, TX/Virtual

[Meeting info](#)

#### **COMMERCIAL LUNAR PAYLOAD SERVICES SURVIVE THE NIGHT TECHNOLOGY WORKSHOP**

December 6-8, 2022

Cleveland, Ohio/Virtual

[Meeting Info](#)

#### **ICES IN THE SOLAR SYSTEM**

January 9-11, 2023

Montreal, Canada

[Meeting Info](#)

#### **28<sup>th</sup> MEETING OF THE NASA SMALL BODIES**

##### **ASSESSMENT GROUP**

January 24-26, 2023

Pasadena, CA/Virtual

[Meeting info](#)

#### **VENUS SURFACE AND ATMOSPHERE CONFERENCE**

January 30 – February 1, 2023

Boulder, CO/Virtual

[Meeting info](#)

**54TH LUNAR AND PLANETARY SCIENCE CONFERENCE**

March 13–17, 2023  
The Woodlands, TX/Virtual  
[Meeting info](#)

**4TH INTERNATIONAL PLANETARY CAVES CONFERENCE**

May 4-7, 2023  
Haria Municipality, Lanzarote, Spain  
[Meeting info](#)

**ASTEROIDS, COMETS, & METEORS CONFERENCE**

June 18-23, 2023  
Flagstaff, AZ  
[Meeting info](#)

# POSITIONS AVAILABLE - CAREER OPPORTUNITIES

**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.](#)

**POSTDOCTORAL APPOINTEE AT ARGONNE - WIND ENERGY AND CLIMATE SCIENCES**

We have an exciting opportunity for a Postdoctoral Researcher position focusing on Wind Energy and Climate Science at the Argonne National Laboratory. This appointment will be at the Environmental Science Division embedded within our Computer, Environment, and Life Sciences Directorate. The project aims to improve our understanding of factors modulating winds in an offshore wind farm environment, with an ultimate goal of improving their representation in models used for forecasting wind energy. The three-year multi-institutional project titled Observationally driven Resource Assessment with CouPLEd models (ORACLE) is funded by Department of Energy Wind Energy Technology Office. [Learn more here.](#)

**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](http://www.nas.edu/afstfp).

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**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](#).

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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 [Qianlai 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](#).