

# EAPS WEEKLY NEWSLETTER

August 8, 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](#)

## PUBLICATIONS

- **Melissa D. Cashion, Brandon C. Johnson**, Alexander N. Krot, Katherine A. Kretke, Shigeru Wakita, Thomas M. Davison, "Chondrule formation via impact jetting in the icy outer solar system," *Icarus*, Volume 384, 2022, 115110, ISSN 0019-1035, <https://doi.org/10.1016/j.icarus.2022.115110>.
- Drake, S.J., Gomez-Rivas, E., Ickert, R.B., Macdonald, D.I.M., 2022. Temporal and spatial variations in calcium carbonate deposition in a mixed siliciclastic-carbonate deep marine system: the Ediacaran Deeside Limestone Formation, Aboyne, Scotland. *Scottish Journal of Geology* 58. <https://doi.org/10.1144/sjg2021-017>
- Lynner, C., **Delph, J.R.**, Portner, D.E., Beck, S.L., Sandvol, E., Ozacar, A.A., 2022, "Slab induced mantle upwelling beneath the Anatolian plateau" *Geophys. Res. Lett.*, <https://doi.org/10.1029/2021GL097451>
- Kaviani, A., Sandvol, E., Ku, W., Beck, S.L., Türkelli, N., Özacar, A.A., **Delph, J.R.**, 2022, "Seismic attenuation tomography of the Sn phase beneath the Turkish-Iranian Plateau and the Zagros mountainbelt" *Geosphere*, <https://doi.org/10.1130/GES02503.1>
- Michalski, Greg, Adriana E. Larrea Valdivia, Elizabeth Olson, Lisa Welp, Huan Fang, Kento Magara-Gomez, Lino Morales Paredes, Juan Reyes Larico, and Jianghanyang Li. "Identifying NOx Sources in Arequipa, Peru Using Nitrogen Isotopes in Particulate Nitrate." *Frontiers in Environmental Science* 10 (June 28, 2022): 916738. <https://doi.org/10.3389/fenvs.2022.916738>.

## OUTREACH NEWS

This semester we are scheduling live events for K-12 students again! For both our Hands-on Purdue Science programs (HOPS and AP Fridays) we are offering classrooms the following themes

**Wednesdays and Fridays in May:** Investigating Water Quality

[Check out the online labs and resources outreach has created.](#)

**Social sites:**

[TikTok SuperHeroesofScience](#)

[Facebook EAPS Outreach](#)

[Facebook Superheroes of Science](#)

[Twitter](#) [EAPS departmental outreach web page](#)

[Instagram](#)

## NEWS/OPPORTUNITIES AT PURDUE

**PURDUE EAPS WELCOMES  
DR. YUAN WANG!**

**EAPS GRAD STUDENT RESEARCH  
OPPORTUNITIES**

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

**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](#).

**Fall Application Deadline:** October 1

**Spring Application Deadline:** March 1

**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!](#)

# MEETINGS/EXPOS OUTSIDE OF PURDUE

## **CICAWG FIELD TRIP OPPORTUNITY - SAT SEPT 24**

We are excited to announce our next [CICAWG](#) event, a field trip on Saturday, September 24 from 1pm - 4pm led by Indiana State Geologist, Todd Thompson! Join us for a chance to learn about the Salem limestone and ask Todd all of your burning questions about Indiana geology! The field trip will start at Cascades Park, Bloomington, and have three stops in the Salem Limestone including stops at Reed Quarry, Crown Quarry, and a world-renowned tidalite exposed in a local road cut. The field trip is open to all who are interested - bring your friends and family to learn more about Indiana geology! Email us at [cicawg@gmail.com](mailto:cicawg@gmail.com) or [keep an eye on our website for more details](#).

## **MIDWEST STUDENT CONFERENCE ON ATMOSPHERIC RESEARCH | ATMOSPHERIC SCIENCES AT ILLINOIS**

**MSCAR Conference: 25-26 September 2021**

[MSCAR will be held as a hybrid of in-person attendance at the University of Illinois Urbana-Champaign and everywhere virtually](#). Though not mandatory, wearing of face masks for in-person attendees is STRONGLY ENCOURAGED. Submit an Abstract & Register Today!

[Click here to submit an abstract!](#)

[Click here to register!](#)

### **Upcoming Dates & Deadlines**

- Abstract Submission Deadline for Talks and Posters: 9 September 2022 at 11:59 PM CT
- Registration Deadline: 23 September 2022 at 4 PM CT
- MSCAR Conference Dates: 1-2 Oct 2022

[Check out info on our keynote speakers, workshops and other events!](#)

## **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; 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**
- Online Application Portal Opens: September 6, 2022
  - 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

## **13TH PLANETARY CRATER CONSORTIUM MEETING**

**August 10–12, 2022**

**Southwest Research Institute  
Boulder, CO/Virtual**

[Meeting info](#)

## **85TH ANNUAL MEETING OF THE METEORITICAL SOCIETY**

**August 14–19, 2022, Glasgow, Scotland**

[Meeting Info](#)

## **ANNUAL MEETING OF THE LUNAR EXPLORATION ANALYSIS GROUP**

**August 23–25, 2022**

**Johns Hopkins University Applied Physics  
Laboratory, Laurel, MD/Virtual**

[Meeting info](#)

## **EXTRATERRESTRIAL MATERIALS ANALYSIS GROUP**

**(ExMAG) FALL MEETING**

**October 12–13, 2022**

**Virtual**

[Meeting Info](#)

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**OCEAN WORLD ANALOG FIELD SITE ASSESSMENT  
WORKSHOP**

October 13–15, 2022  
Denver, Colorado/Virtual  
[Meeting info](#)

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**SMD BRIDGE PROGRAM WORKSHOP**

October 17–21, 2022  
Virtual  
[Meeting info](#)

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**APOLLO 17 – ANGSA WORKSHOP**

October 26–28, 2022  
Lunar Planetary Institute  
Houston, Texas  
[Meeting info](#)

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**EXOPLANETS IN OUR BACKYARD 2**

**NOVEMBER 2-4, 2022**  
Pasadena, CA/Virtual  
[Meeting Info](#)

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**LUNAR POLAR VOLATILES CONFERENCE**

Houston, TX/Virtual  
[Meeting Info](#)  
[Abstract submission deadline](#): August 25, 2022,  
5:00 p.m. U.S. Central Daylight Time

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**20TH MEETING OF THE VENUS EXPLORATION**

**ANALYSIS GROUP (VEXAG)**

November 7-9, 2022  
Pasadena, California/Virtual  
[Meeting Info](#)

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**ICES IN THE SOLAR SYSTEM**

January 9-11, 2023  
Montreal, Canada  
[Meeting Info](#)

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**54TH LUNAR AND PLANETARY SCIENCE  
CONFERENCE**

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

## POSITIONS AVAILABLE- CAREER OPPORTUNITIES

### METEOROLOGIST POSITIONS AVAILABLE

#### TEGNA

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

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#### **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

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#### **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](#).