

EAPS WEEKLY NEWSLETTER

July 8, 2024

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EAPS MEETINGS & EVENTS

[PURDUE REGISTRAR CALENDARS](#)

[EAPS SEMINARS AND EVENTS CALENDAR](#)

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

[REPORT YOUR OUTREACH AND ENGAGEMENT ACTIVITIES](#)

OUTREACH NEWS

If you have not done your STEM Career video yet, please set up a time with Steven to record it. It should only take you ~10 minutes to record the video.

[Here is a great example from Jonathan Delph](#)

Link to the repository with all of the recorded STEM Career videos: <https://purdue.link/STEMrepository>

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

CONGRATS, KUDOS, COOL STUFF, AND THUMBS UP!

- **Stephanie Menten**- [Zonta International Amelia Earhart Fellowship!](#)
- **Margaret Catherine Deahn**- [Zonta International Amelia Earhart Fellowship!](#)
- **Stephanie Connell** passed her preliminary examination and is now officially a PhD candidate!
- Congratulations to **Lauren Kiefer** for a successful defense of her MS thesis! Advised by Prof. Dan Chavas.
- Congratulations **Dr. Greg Gosselin** for a successful PhD defense! Co-advised by Prof. Andrew Freed and Prof. Brandon Johnson.
- Congratulations **Jacob Bruss** for a successful MS defense. Advised by Prof. Robin Tanamachi.
- Congratulations Dr. **Qin Jiang** for a successful PhD defense. Advised by Prof. Dan Dawson.
- Congratulations **Dr. Kuan-Yu Lu** for a successful PhD defense. Advised by Prof. Dan Chavas.
- Congratulations **Dr. Qinqin Kong** for a successful PhD defense. Advised by Prof. Matthew Huber.
- **Mike Sori, Mariana Blanco-Rojas and Cauê S. Borlina** met up at the [Uranus Flagship Mission Workshop](#) in late May. The purpose of the workshop was to discuss aspects of a next NASA flagship mission to Uranus! This happened at NASA Goddard Space Flight Center, and was led together by NASA Goddard Space Flight Center and the Johns Hopkins Applied Physics Laboratory.



PUBLICATIONS

- D. Calderon-Arrieta, A.C. Morales, A.P.S. Hettiyadura, C. Li, T. Estock, C. Li, Y. Rudich, A. Laskin. Enhanced Light Absorption and Elevated Viscosity of Atmospheric Brown Carbon through Evaporation of Volatile Components. *Environmental Science and Technology*, 58, 17, 7493-7504. (2024). <https://doi.org/10.1021/acs.est.3c10184>.
- W. Li, L. Xu, Y. Wang, N. Riemer, K. Adachi, Z. Shi, D. Zhang, Z. Zheng, A. Laskin. Microphysical properties of atmospheric soot and organic particles: Measurements, modeling, and impacts. *NPJ Climate and Atmospheric Science*, 7, 65, (2024). <https://doi.org/10.1038/s41612-024-00610-8>.
- Olson, E. J., Welp, L. R., Frisbee, M. D., Zúñiga Medina, S. A., Alvarez-Campos, O., Roque Quispe, W. R., ... Jafvert, C. T. (2024). Spatially heterogeneous discharge of glacial meltwater to drainages surrounding the ablating Coropuna ice cap, Peruvian Andes. *Hydrological Sciences Journal*, 1–17. <https://doi.org/10.1080/02626667.2024.2352522>
- Olson, Elizabeth J., Lisa R. Welp, Marty D. Frisbee, Sebastián A. Zúñiga Medina, Odiney Alvarez-Campos, Wendy R. Roque Quispe, Carol I. Salazar Mamani, Midhwar R. Arenas Carrión, José Diaz Rodriguez, Juan M. Jara Gonzalez, Alexander Ccancapa-Cartagena, and Chad Jafvert. 2024. "Spatially Heterogeneous Discharge of Glacial Meltwater to Drainages Surrounding the Ablating Coropuna Ice Cap, Peruvian Andes." *Hydrological Sciences Journal* 69 (8): 1113–29. doi:10.1080/02626667.2024.2352522.

NEWS/OPPORTUNITIES AT PURDUE

EAPS GRAD STUDENT RESEARCH OPPORTUNITIES

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

MEETINGS/EXPOS/ OPPORTUNITIES OUTSIDE OF PURDUE

INCLUSIVE INNOVATORS SUMMIT 2024

Hosted by the University of Illinois Urbana-Champaign. Event Details:

- **Date: July 17, 2024**
- Location: University of Illinois Urbana-Champaign
- Audience: Midwest graduate students, postdocs, and faculty, along with academic and entrepreneurial leaders.

The Inclusive Innovators Summit aims to bring together a diverse group of participants to foster inclusive engagement in research commercialization and science entrepreneurship. This is a unique opportunity to build insights and develop innovative solutions that can drive meaningful impact in our academic and entrepreneurial communities.

Objectives:

- Networking: Connect with academic and entrepreneurial leaders.
- Learning: Gain insights into inclusive practices in research commercialization.
- Collaboration: Develop solutions for inclusive engagement in science and entrepreneurship.

We encourage interested faculty and students from the College of Science to attend this summit and take advantage of the opportunity to collaborate and learn from leaders in the field.

[More information and to register.](#)

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.**

10th INTERNATIONAL CONFERENCE ON MARS

July 22-25, 2024
CalTech in Pasadena, CA
[Meeting info](#)

METSOC 2024

July 28-Aug. 2, 2024
Brussels, Belgium
[Meeting info](#)

MODERN SEM TECHNIQUES WORKSHOP

August 12-14, 2024
Lunar and Planetary Institute
Houston, TX
[Meeting info](#)

**2ND WORKSHOP ON TERRESTRIAL ANALOGS FOR
PLANETARY EXPLORATION**

August 14-16, 2024
Flagstaff, Arizona / Virtual
[Meeting info](#)

ANNUAL MEETING O PLANETARY

GEOLOGIC MAPPERS

August 14-16, 2024
Flagstaff, Arizona / Virtual
[Meeting info](#)

GOLDSCHMIDT 2024

August 18-23, 2024
Chicago, IL
[Meeting info](#)

ASTROBIOLOGY AND THE FUTURE OF LIFE MEETING

October 16-18, 2024
Houston, Texas / Virtual
[Meeting info](#)

OUTER PLANET ASSESSMENT GROUP (OPAG) MEETING

November 6-8, 2024
Virtual
[Meeting info](#)

2024 AGU ANNUAL MEETING

December 9-13, 2024
Washington, DC
[Meeting info](#)

**ITOKAWA AND THE DAWN OF ASTEROIDAL
SAMPLE RETURN WORKSHOP**

January 28-30, 2025
Houston, Texas
[Meeting info](#)

56th LUNAR PLANETARY SCIENCE CONFERENCE

March 10-14, 2025
The Woodlands, Texas / Virtual
[Meeting info](#)

POSITIONS AVAILABLE- CAREER OPPORTUNITIES

- [Visiting professor](#) for Purdue EAPS
- [Aviation Meteorology Assoc. Professor](#) - University of Oklahoma. Contact search chair Dr. Jens Redemann (jredemann@ou.edu)
- [Assistant Instructional Professor](#) – UChicago
- [Senior Instructional Professor](#) – UChicago
- [Tenure Track Meteorology Faculty Position](#) – Valparaiso University
- NYS Mesonet [Field Technicians](#)
- [Multiple Positions](#) with Enviroforensics

- **PURDUE STUDENT OPPORTUNITY:** Purdue Envision Center [recruiting EAPS students](#)
- **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 [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](#).