

EAPS WEEKLY NEWSLETTER

January 30, 2023

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EAPS MEETINGS & EVENTS

[PURDUE CALENDAR 2023](#)

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

[REPORT YOUR OUTREACH AND ENGAGEMENT ACTIVITIES](#)

OUTREACH NEWS

Don't forget to submit any activities you do with K-12:

<https://bit.ly/EAPSOut>

Did you know that Outreach is working on an online [science demonstration repository](#)?

If you know a science demo that educators would enjoy, let us know!



Follow us on Social media to see now demos on Fridays.

Social sites:

[Twitter](#) [Facebook](#) [EAPS Outreach](#) [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

NEWS/OPPORTUNITIES AT PURDUE

SPEAKER – BENJAMIN KLEIN

Klein is from the University of Lausanne
 Thursday, February 2, from 3:30 – 4:30 p.m.
 HAMP 1252

VIRTUAL CAREER PANEL HOSTED BY THE CENTRAL INDIANA CHAPTER OF AWGI

Save the date for a virtual career panel hosted by the Central Indiana Chapter of AWG! The event will be held on **Thursday, February 2 from 12 - 1pm** and will feature discussions about entering a career in geosciences, navigating career advancement, and opportunities for women in the Geosciences. The panel is suitable for students and all career levels.

Our featured panelists include:

- **Sam Henderson**, LPG: Project Manager, EnviroForensics
- **Rachel Walker**, PhD, LPG: Senior Project Geologist, Mundell & Associates
- **Jin Wang**, PhD: Risk Services Section Chief, IDEM

Registrants will receive a Zoom link to attend the event. Contact us at cicawg@gmail.com for more information.

MRCC PAID SUMMER UNDERGRAD INTERNSHIP

Details below. **Submit by Feb 6, 2023.** Send questions & applications to mrcc@purdue.edu

MRCC 2023 Summer Intern – Climatologist

Position: Student hourly
Salary: \$15/hour; 40 hours/week
Location: West Lafayette, Indiana (must be in-person); Purdue University

Availability: Must commit to a minimum of 8 weeks. Up to 13 paid weeks are available. Internship period run from May 15, 2023 – August 11, 2023.

Primary Function of Position: To serve in a support role within the service and research-based environment at the Midwestern Regional Climate Center (MRCC).

Duties & Responsibilities: This position is designed to expose the intern to the range of activities performed by the MRCC. The intern will assist MRCC climatologists with outreach and education activities (e.g., social media, marketing of products and tools), in responding to data and information requests in the MRCC service office, and with applied research projects.

Education Requirement: This position is open to anyone currently enrolled as a sophomore or above in an atmospheric sciences or related field program. Graduating seniors are eligible only if they have been accepted to a graduate degree program and they will begin their program no later than Fall 2023.

Experience Requirement: A strong interest in climatology is preferred, as well as an interest in climate outreach and education. Strong communication skills are required for this climate services and outreach environment.

Knowledge Required: Experience with word processing and spreadsheet software. Encouraged: Experience in computer programming, scripting, and statistical packages.

Decision Timeline: Top candidates will be invited for a virtual interview in mid-February. Internship offer letters will be sent no later than February 28, 2023, and candidates will be given 10 days from when they receive their letter to accept or decline the offer. The MRCC expects to hire up to 2 student interns for Summer 2023.

Logistics: Interns will be responsible for their own travel to/from West Lafayette and responsible for their own housing. Interns are eligible to apply for student housing through Purdue University.

Contact Information: A cover letter, resume, and the names of up to three professional references should be submitted electronically via email no later than 12 PM Eastern on February 6, 2023. The applicant's last name must be included within each file name.

Applications should send all materials to:
Midwestern Regional Climate Center
mrcc@purdue.edu

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

STEM TEACHER RESIDENCY PROGRAM BECOME A STEM TEACHER IN 18-MONTHS

Purdue's Indianapolis STEM Teacher Residency program, in partnership with Indianapolis Public Schools, aims to strengthen the educational outcomes of students in one of the largest urban school districts in Indiana. We will prepare you to become a culturally competent, highly qualified teacher who will elevate student achievement in middle and high school science, technology, engineering, and mathematics (STEM). After successfully completing the program, graduates must commit to a three-year STEM-related teaching position with Indianapolis Public Schools.

GET PAID TO CONTINUE YOUR EDUCATION

- Stipend: \$46,500
- Program Cost: (\$16,875)
- Remaining Stipend for Living Expenses: \$29,625

100% ONLINE COURSEWORK AND IN-PERSON STUDENT TEACHING

- Master of Science in Secondary STEM Education
- Graduate Certificate in K-12 Integrated STEM Education
- Initial Teaching Licensure

[Learn more.](#)

EAPS GRAD STUDENT RESEARCH OPPORTUNITIES

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

PUBLICATIONS

- **McConeghy, J., Flesch, L., & Elliott, J.** (2022). Investigating the effect of mantle flow and

viscosity structure on surface velocities in Alaska using 3-D geodynamic models. *Journal of Geophysical Research: Solid Earth*, 127,

e2022JB024704. <https://doi.org/10.1029/2022JB024704>

- Sun, Y., **Y. Wang**, C. Zhao, Y. Zhou, Y. Yang, X. Yang, H. Fan, X. Zhao, J. Yang, "[Vertical Dependency of Aerosol Impacts on Local Scale Convective Precipitation](#)", *Geophys. Res. Lett.* 50 (2023)
- Zhao, B. and Zhuang, Q.: Peatlands and their carbon dynamics in northern high latitudes from 1990 to 2300: a process-based biogeochemistry model analysis, *Biogeosciences*, 20, 251–270, <https://doi.org/10.5194/bg-20-251-2023>, 2023.
- Wang, S., Q. Zhuang, M. Zhou, X. Jin, N. Yu, T. Yuan, Temporal and spatial changes in soil organic carbon and soil inorganic carbon stocks in the semi-arid area of northeast China, *Ecological Indicators*, Volume 146, 2023, 109776, ISSN 1470-160X, <https://doi.org/10.1016/j.ecolind.2022.109776>.
- Wu, T., Wu, Q., Zhuang, Q. et al. Optimal Sample Size for SOC Content Prediction for Mapping Using the Random Forest in Cropland in Northern Jiangsu, China. *Eurasian Soil Sc.* 55, 1689–1699 (2022). <https://doi.org/10.1134/S1064229322600816>
- **Koester, A. J. and Lifton, N. A.:** Technical note: A software framework for calculating compositionally dependent in situ ¹⁴C production rates, *Geochronology*, 5, 21–33, <https://doi.org/10.5194/gchron-5-21-2023>, 2023.
- Jane L. Andersen, Jennifer C. Newall, Ola Fredin, Neil F. Glasser, **Nathaniel A. Lifton**, Finlay M. Stuart, Derek Fabel, **Marc Caffee**, Vivi K. Pedersen, **Alexandria J. Koester**, Yusuke Suganuma, **Jonathan M. Harbor** & Arjen P. Stroeven,. A topographic hinge-zone divides coastal and inland ice dynamic regimes in East Antarctica. *Commun Earth Environ* 4, 9 (2023). <https://doi.org/10.1038/s43247-022-00673-6>

MEETINGS/EXPOS/ OPPORTUNITIES OUTSIDE OF PURDUE

25TH ANNUAL SEVERE STORMS AND DOPPLER RADAR CONFERENCE MARCH 23-25, 2023 IN ANKENY, IOWA

For more information on the conference, please see the conference website - [HERE](#).

Additionally, we are again offering two atmospheric science scholarships to deserving students in 2023. The *Tim Samaras Memorial Scholarship* is for students who are pursuing a career in research meteorology.

The Pam Daale Memorial Scholarship is focused on students pursuing careers in broadcast or

operational meteorology. **The award for each scholarship will be \$1500.** More information and the application form can be found in the links below:

- [Pam Daale Scholarship](#)
- [Tim Samaras Scholarship](#)

18TH ANNUAL GEOLOGY INTERNSHIP & CAREER FAIR

- When: Saturday, February 11th (Begins at 10:30am)
- Where: Cooper Science Southeast Lobby and Fine Arts Building
- When: Saturday, February 11th (Begins at 10:30am)
- Where: Cooper Science Southeast Lobby and Fine Arts Building (CP 188) 2000 W. Riverside Ave, Muncie, INCP 188) 2000 W. Riverside Ave, Muncie, IN

Events:

- 9:00am-10:15am Company check-in (Cooper Science)
- 10:30am-11:00am Guest speaker Richard Mourdock (Cooper Science)
- 11:00am-11:30am Student Awards Ceremony(Cooper Science)
- 11:45am-12:45pm Lunch Break
- 1:00pm-3:00pm Job Fair (Cooper Science)
- 2:30pm-3:30pm Silent Rock Auction [Cash Only] (Fine Arts)

STUDENT OPPORTUNITY – MIDWEST DATATHON STUDENT COMPETITIONS

[Correlation One](#) is a New York based startup that hosts data science and engineering competitions for the world's best STEM students.

We are excited to announce that this upcoming Spring, we are partnering with Citadel and Citadel Securities to host the [Midwest Datathon](#), a data science competition that challenges students from the region's best universities to tackle real-world social challenges in topics such as urban traffic, renewable energy, and education, as well as the [Midwest Terminal](#), a games-based AI challenge, where players code strategies to automate gameplay.

Top performing students have the opportunity to win \$15,000 in cash prizes along with exclusive recruiting opportunities with Citadel (both internships and full-time roles). The events are completely free and invite only.

URISE SUMMER 2023 INTERNSHIP APPLICATIONS BEING ACCEPTED

URISE is pleased to announce that we are now accepting applications for the summer of 2023! If you are an undergraduate math, physics, geoscience or computer science student interested in exploring Earth and developing new skills, please consider applying! The deadline for applications is February 1st with letters of reference due by February 15th. Our program has proven to be a successful stepping stone for careers in oil & gas industry, academia, federal and state governments, and in a variety other geo-technical fields.

URISE Interns...

- Build lasting connections with like-minded students interested in using their quantitative skills to better understand Earth
- Are funded to travel to their mentor's institution and conduct independent research
- Receive a stipend of \$600/week + \$200/week for subsistence for 8 to 11 weeks
- Have fun while learning critical skills that have led over 78% of alumni to pursue geoscience careers in federal and state governments, academia, industry, and as independent consultants
- Receive full funding to present their independent research at the Fall American Geophysical Union conference
- Are diverse in gender, race and ethnicity, age, disability status, and academic standing... YOU could be next!

To learn more about the program, the types of research interns conduct through the program, and to apply, please visit:

<https://www.iris.edu/hq/internship/interns>

NESSI STUDENT INTERNSHIP OPPORTUNITY
NCAR Earth System Science Internship (NESSI) is now accepting applications from undergraduate and graduate students. The NESSI program is hosted by NCAR Education, Engagement & Early-Career Development and offers students interested in the Earth system sciences an opportunity to conduct research with NCAR scientists from across all labs on a wide range of topics including but not limited to atmospheric science, computational science, engineering, and solar & space physics. Our program is designed to support and promote Earth system science through research, mentoring, and community building. **The application deadline is February 12, 2023.** Please see our [NESSI webpage](#) for more details. And visit UCAR/NCAR's website for all of our [programs for students and postdocs](#). If you have any questions about the NESSI or any of our

student programs please don't hesitate to reach out.

STUDENT SCHOLARSHIP OPPORTUNITY

[Student Pathways Scholarship](#), which has a deadline of **March 1st, 2023!** This scholarship is a one-time award of \$500-\$1000, depending upon the number of applicants, for students with disabilities pursuing fields of study within the geosciences. This scholarship is open to both full-time and part-time students and can be used to cover the cost of tuition, rent, bills, or other financial obligations they may be dealing with. The direct link to the [form is here](#), in case there are issues accessing the website.

INFINITE COOLING CLOUD PHYSICS

internship opportunity that requires grad-level experience/interest in experimental/numerical modeling. Infinite Cooling is an award-winning startup company, and our mission is simple: to mitigate the water scarcity around the world. We help power plants and other industrial processes reduce their water consumption and water treatment costs by recovering water from their cooling tower exhausts. We are a small team based in Malden, Massachusetts, and we are on a mission to be a global leader in the water services industry for power generation. Infinite Cooling has raised over \$16M in funding and has won the MIT \$100K, MassChallenge, the DOE national Cleantech competition and numerous other awards. We are looking for a sharp, tenacious, and creative R&D engineer intern to join our team and work on developing the next generation of our product. Strong communication, flexibility, and the desire to "wear many hats" will all be essential skills for a successful applicant. [Career and contact info here](#). To gain more info about this internship, [contact via email](#).

2023 COMMUNITY SOURCED DIRECTORY

We have launched the 2023 COMMUNITY SOURCED DIRECTORY of Research Experiences for Undergraduate - REU! This is to support students in finding powerful and well-supported Research Experiences. Furthermore - the directory includes many aspects of accessibility and identity that can help all our students. ***A new column this year is if a program has opportunities for non-US Citizens.*** [You can access v04 for Summer 2023 posted here](#). Subsequent versions will be posted ~weekly into March. While a majority of these are NSF funded, a

growing number are funded by a wide range of organizations/institutions, and have a growing range of formats.

We recommend that users review the column headers (listed below), in order to help them find programs that fit their identities and needs, and that they can reach based on their exams / university calendars. A student in a quarter program should avoid programs that start in early May, and vice versa for students in semester programs who need to be in class in late August/September.

PROGRAM CHARACTERISTICS

- ACCOMMODATION provided
- TRAVEL costs provided/reimbursed
- FOOD provided
- Overnight OFF-SITE travel required
- INTERNATIONAL - requires passport
- OUTDOOR field work
- Working on/in WATER - know how to swim
- DRIVING - license required
- COVID VACCINATION required
- OTHER

STUDENT CHARACTERISTICS

- Rising SOPHOMORES
- Rising JUNIORS
- Rising SENIORS
- 2-YEAR Coll. Students
- 4-YEAR Coll. Students WITHOUT grad program
- 4-YEAR coll. students WITH grad program
- Post Baccalaureate (with degree / already graduated)
- PRIOR Research Experience
- NO prior research experience
- TEACHERS or other professionals
- VETERANS
- MINORS (<18)
- NON US CITIZENS (opportunities available)
- OTHER

ACCESSIBILITY

- Encouraged Applicant Identities
- Have not made accessibility plan
- YES, accessible to DEAF / ASL
- MOBILITY-AID/ WHEELCHAIR
- Yes - GUIDE DOGS SERVICE ANIMALS
- Accommodate FOOD RESTRICTIONS

OTHER SUPPORT

- Stipend
- Describe additional supports provided by the program, which may include support for conferences attendance, early admission pathway to graduate program, support with research transition to senior thesis work, support for publication fees, etc.

- Describe the plan for the REU should COVID restrictions limit in-person/on-site activities.

SUMMER 2023 UNDERGRADUATE REU

Are you looking for a summer research internship studying ocean, coastal or environmental science? I invite you to check out the Maryland Sea Grant Summer REU program. We bring upper-level undergraduate students to the Chesapeake Bay to conduct individual research projects with a scientist-mentor at the University of Maryland Center for Environmental Science. We select undergrads in many disciplines, including engineering, biology, chemistry, physics, mathematics, ecology and marine and environmental science.

Our program runs for 12-weeks from May 22 to August 13, 2023.

Each REU fellow will receive:

- \$7,200 stipend
- Free housing at your research lab
- Round-trip travel expenses

In particular, **we encourage students from colleges and universities where access to marine science and to research opportunities is limited and who are from groups traditionally underrepresented in science, technology, engineering and math.** We believe bringing together students from many disciplines, backgrounds and parts of the country makes for a more interesting and educational summer experience.

We are accepting applications for the 2023 class now through February 15. We held our first in-person REU this past summer and expect to hold summer 2023 in-person as well. We recognize that the state of the pandemic may impact how the program operates. Please visit our website to find out more (www.mdsg.umd.edu/reu) or drop me a note at reu@mdsg.umd.edu.

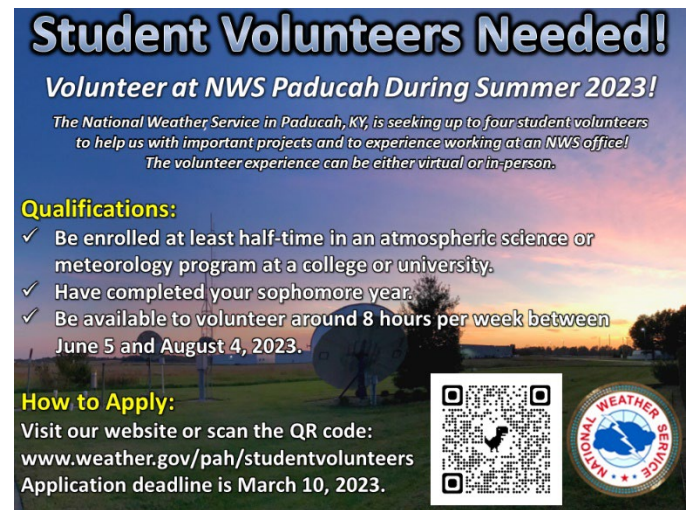
SCHOLARSHIPS AVAILABLE - AWG BRUNTON AWARD AND BRUNTON FIELD PROJECT AWARD

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.](#)

NWS FORECAST OFFICE IN PADUCAH, KY SEEKING TO RECRUIT UP TO FOUR STUDENT VOLUNTEERS FOR THIS SUMMER



Student Volunteers Needed!

Volunteer at NWS Paducah During Summer 2023!

The National Weather Service in Paducah, KY, is seeking up to four student volunteers to help us with important projects and to experience working at an NWS office! The volunteer experience can be either virtual or in-person.

Qualifications:

- ✓ Be enrolled at least half-time in an atmospheric science or meteorology program at a college or university.
- ✓ Have completed your sophomore year.
- ✓ Be available to volunteer around 8 hours per week between June 5 and August 4, 2023.

How to Apply:
Visit our website or scan the QR code:
www.weather.gov/pah/studentvolunteers
Application deadline is March 10, 2023.

FELLOWSHIPS IN GEOPHYSICAL FLUID DYNAMICS AT WOODS HOLE OCEANOGRAPHIC INSTITUTION June 20 to August 25, 2023

Since 1959 the GFD program has promoted an exchange of ideas among researchers in the many distinct fields that share a common interest in the nonlinear dynamics of fluid flows in oceanography, meteorology, geophysics, astrophysics, applied mathematics, engineering and physics. Each year, the program is organized around a ten-week course of study and research for a small group of competitively selected graduate-student fellows. The overall philosophy is to bring together researchers from a variety of backgrounds to provide a vigorous discussion of concepts that span different disciplines, and thereby to create an intense research experience. For the student fellows, the centerpiece of the program is a research project, pursued under the supervision of the staff. At the end of the program, each fellow presents a lecture and a written report for the GFD proceedings volume.

The Program commences with two weeks of Principal Lectures focusing on a particular theme in

GFD. **For 2023, the theme is "GFD on Other Worlds"** and the lecturers will be Heather Knutson (Caltech), who will concentrate on recent observations from other worlds, and Geoff Vallis (University of Exeter), who will review our theoretical understanding of GFD on other worlds.

Up to ten competitive fellowships are available for graduate students. Successful applicants will receive stipends of \$7,793 and an allowance for travel expenses within the United States. A small number of unpaid fellowships may also be available for strongly qualified students who can support themselves financially. **The application deadline is February 1, 2023.** Awards will be announced by March 31, 2023. We seek applicants from all areas of Geophysical Fluid Dynamics, and particularly encourage applications from women and members of underrepresented groups. It is expected that fellows will be in residence for the full ten weeks of the program, and that visitors will spend extended periods of at least one week participating in the program. Further information and application forms may be obtained at <https://gfd.whoi.edu>, or by writing to: gfd@whoi.edu

Prospective visitors should contact Tiffany Shaw at tas1@uchicago.edu, or Pascale Garaud at pgaraud@soe.ucsc.edu

WHOI is an Equal Employment Opportunity/Affirmative Action Organization. The GFD Program is funded by the National Science Foundation and the Office of Naval Research.

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. 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.

UIUC'S SUMMER RADAR CAMP

Attention upper division undergrads and grad students: Application deadline is February 15, 2023.

The 1st Annual UIUC Dept. of Atmos. Sci. FARM Facility Radar Institute!
Held in-person at the University of Illinois Urbana-Champaign campus
From June 18 – July 1, 2023



Using the Department of Atmospheric Sciences FARM Radars and other FARM instrumentation, you will have the opportunity to:

- Learn about radar operations and theory
- Learn about planning field campaigns
- Learn about observation strategies and radar scan modes
- Plan and execute a small field campaign
- Learn about analysis techniques
- Analyze DOW and COW radar data

Applications are open to undergraduate students. Students who have completed two years of college course work and are majoring in a science, technology, engineering or math field are encouraged to apply. No prior research experience is required.

Application Deadline:
15 Feb 2023; 23:59 CT

Email Application to:
kakosiba@illinois.edu

To Apply:

- 1-page Statement of Interest
- CV
- 1 Recommendation Letter
- Academic Transcript



If you are selected to participate, you will receive travel support, on-campus lodging, and per diem.



MERCURY EXPLORATION ASSESSMENT GROUP (MEXAG) ANNUAL MEETING

February 1-3, 2023

Virtual

[Meeting info](#)

EXTRATERRESTRIAL MATERIALS ANALYSIS GROUP (EXMAG)

April 25-27, 2023

Virtual

[Meeting info](#)

54TH LUNAR AND PLANETARY SCIENCE CONFERENCE

March 13–17, 2023

The Woodlands, TX/Virtual

[Meeting info](#)

OUTER PLANETS ASSESSMENT GROUP (OPAG)

May 2-3, 2023

Johns Hopkins University Applied Physics Laboratory

Laurel, MD/Virtual

[Meeting info](#)

4TH INTERNATIONAL PLANETARY CAVES

CONFERENCE

May 4-7, 2023

Haria Municipality, Lanzarote, Spain

[Meeting info](#)

**BRINES ACROSS THE SOLAR SYSTEM: ANCIENT AND
FUTURE BRINES CONFERENCE**

May 15-18, 2023

Reno, NV

[Meeting info](#)

ASTEROIDS, COMETS, & METEORS CONFERENCE

June 18-23, 2023

Flagstaff, AZ

[Meeting info](#)

**URANUS FLAGSHIP: INVESTIGATIONS AND
INSTRUMENTS FOR CROSS-DISCIPLINE SCIENCE**

July 25-27, 2023

Pasadena, CA

[Meeting info](#)

2nd INTERNATIONAL ORBITAL DEBRIS CONFERENCE

Dec. 4-7, 2023

Houston, TX / virtual

[Meeting info](#)

POSITIONS AVAILABLE- CAREER OPPORTUNITIES

**FULL TIME RESEARCH OPERATIONS MANAGER –
UNC CHARLOTTE**

The Department of Geography & Earth Sciences at UNC Charlotte is searching for a full-time Research Operations Manager (lab manager). Instrument capabilities in the department include ICP-MS, ion chromatography, laser particle size analysis, laser

water and carbon isotope analysis, flow injection analysis, organic carbon analysis, total C/total N analysis, thermal conductivity analysis, AA, and XRD. [To apply.](#)

Application closing date February 10, 2023

AUGUST MACK

ENTRY LEVEL FIELD SCIENTIST

Responsible for learning and performing a wide and diverse range of field work related to the various August Mack and Environmental Field Services service areas. We offer on-the-job training and a career path to help our employees develop skills, gain experience, and advance their careers. Work is performed with direction from experienced technical personnel, under the general supervision of the Field Operations Manager. [Learn More and apply.](#)

WATCH DESK OFFICER

Requisition ID:320982

Location: Indianapolis, IN, US, 46204

Indiana Department of Homeland Security:

Salary: This position starts at a minimum rate of \$22.00 per hour and may be commensurate with education and experience.

About the Job: The purpose of the Watch Desk Officer is to collect, evaluate, analyze, and disseminate information to support local, state, and federal public safety agencies in mitigating, preparing for, preventing, responding to, and recovering from natural or man-made incidents and disasters. The State of Indiana is an Equal Opportunity Employer. [More info.](#)

**WEATHER, OCEANOGRAPHY, AND CLIMATE CHANGE
INSTRUCTOR AT PORTLAND COMMUNITY COLLEGE**

Portland Community College is seeking a full-time general science faculty member to provide culturally responsive instruction in support of PCC's Mission and Values. The successful candidate will be a dynamic instructor who can build an environment that inspires and communicates a love of physical science to a diverse group of students. There will be opportunities to provide input and collaborative leadership in the areas of curriculum and program development, mentoring, virtual learning, college-wide initiatives, community outreach and educational research. The ideal candidate will have a background in meteorology, oceanography, and climate studies, as well as experience with aviation weather forecasting. The new instructor in this position will teach classes at

the Rock Creek campus, and fully-online, to support general education as well as PCC's Aviation Science program. The earth sciences departments are currently in a state of renewal, and this is a rare opportunity to help shape the future growth of the program for the 21st century. [More info.](#)

POST-DOC POSITION OPEN AT MIT IN THE FIELD OF ATMOSPHERIC DYNAMICS

The research tackles questions on the interface between weather and climate. Topics include but are not limited to:

- Midlatitude storm tracks, Rossby Wave Breaking events, atmospheric circulation regimes, and their projected changes.
- Temperature variability, climate and weather extremes, dynamics of heat waves.
- Subseasonal-to-seasonal predictability

For more information about the position, please contact Talia Tamarin-Brodsky at taliatamarin@gmail.com. Applications from women and under-represented minorities are strongly encouraged. Please include a detailed CV and a list of references in your application. Job Requirements: Ph.D. in atmospheric sciences or a related field by the date of hire. Strong background in atmospheric dynamics/geophysical fluid dynamics is an advantage. Demonstrated ability to carry out creative, innovative, independent research, and to publish in peer-reviewed literature, and effective written and verbal communication skills. [More info about positions at MIT.](#)

MULTIPLE POSITIONS OPEN WITH ENVIROFORENSICS

EnviroForensics is hiring! We're looking for motivated and collaborative individuals to join us as a Project Manager (Indianapolis or Louisville), Staff Professional (Indianapolis), Field Professional (Indianapolis), and Field Technician (Indianapolis). If you're interested in joining our team, visit our Careers and apply today! [Click here to apply](#)

ASSISTANT PROFESSOR OF ENVIRONMENTAL & GEOSPATIAL SCIENCES - WESTERN KENTUCKY UNIVERSITY

The Department of Earth, Environmental, & Atmospheric Sciences (EEAS) at Western Kentucky University is seeking highly qualified applicants for a 9-month tenure-track Assistant Professor of Environmental & Geospatial Sciences position beginning August 2023. [Learn more here.](#)

SENIOR GEOSCIENTIST AT FREEPORT-MCMORAN

Freeport-McMoRan is a leading international mining company with headquarters in Phoenix, Arizona. We operate large, long-lived, geographically diverse assets with significant proven and probable reserves of copper, gold, and molybdenum. The company has a dynamic portfolio of operating, expansion and growth projects in the copper industry. Freeport-McMoRan is one of the world's largest publicly traded copper producers, the world's largest producer of molybdenum and a significant gold producer. We have a long and successful history of conducting our business in a safe, highly efficient and socially-responsible manner. Please note: This position has the possibility to work remotely up to 100% of the time.

[Apply here.](#)

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.

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](#).

POSITIONS AVAILABLE IN METEOROLOGY AND ATMOSPHERIC SCIENCE

[View current career listings](#)

AGI GEOSCIENCE JOB CENTER

[Check listings here.](#)

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.

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](#).