NEWS/OPPORTUNITIES
AT PURDUE

PURDUE FULBRIGHT WEEK 2024
Purdue’s Fulbright Week will start you on your way to applying for the Fulbright U.S. Student Program. Fulbright U.S. Student Grants offer a fully funded post-baccalaureate year to study, research, or teach abroad. Sessions will be held in-person with a virtual option unless otherwise noted below. Sessions are a mix of in-person and remote offerings. Schedule of events and RSVP info.

EAPS GSA SOCIAL COMMITTEE
ANNUAL BAKE OFF COMPETITION
EAPS GSA social committee is hosting our annual Bake Off competition! This year we will have two categories: sweet and savory. If you are interested in participating, please fill out this form: https://forms.gle/BLFHEMcaJGkZXEvZ7
All further correspondence for participants will only be sent to those who fill out the form, so we recommend filling it out even if you are unsure (date TBD, sometime in mid-late April).

There will be a First and Second place winner in each category, as well as a People’s Choice Award- so bring your best baked goods forward!

PURDUE LANGUAGE AND CULTURAL EXCHANGE (PLaCE) 2024 SHOWCASE
On February 29 from 3:00-5:00 pm in Marriott Hall, we celebrate 10 of International Leaps at Purdue through Language and Culture. Stop by to see and experience projects by PLaCE students and instructors. This will be followed by a performance of the Surabhi Ensemble, from 5:00 – 6:00 pm, a global collective building cross-cultural exchange through music and dance.

EAPS COLLOQUIUM – JUAN CRESPO
Thursday, February 22, 3:30p.m.
HAMP 1252
Juan Crespo is a PostDoc at JPL
Host: Prof. Andrea Orton
EAPS calendar

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.  
**Spring Application Deadline:** March 1  
**Fall Application Deadline:** October 1

PUBLICATIONS

  https://doi.org/10.1029/2023GC011334

  https://doi.org/10.1029/2023JE008108


  https://doi.org/10.1029/2023GL107343

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.  

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!  

MEETINGS/EXPOS/OPPORTUNITIES OUTSIDE OF PURDUE

SHADES FIELD TRIP – APRIL 13, 2024

Professional Geologists of Indiana and All Universities Field Trip 2024  
Shades State Park

Event Open to Everyone interested in the Geologic History of this Spectacular Site  
Hike through deep canyons on rugged trails to see and discuss the regional Mississippian-Pennsylvanian unconformity and some spectacular cross bedding and other depositional features and weathering features in the Mansfield sandstone. There is outstanding geomorphology related to the combination of long time erosion and more recent glacial melt water related erosion.  
Saturday, April 13 meet at 9:30 AM to 3:00 PM at Shades SP at the Hickory Parking Lot.  
Park entry fee applies. Waivers will be signed before hike so arrive on time. Bring water, snacks and a sack lunch.  
7751 S 890 W, Waveland, IN 47989
More info. Contact Doug Schmitt for more details.

INDIANA GEOLOGICAL & WATER SURVEY

139TH ANNUAL ACADEMY MEETING

The meeting registration deadline is March 5th, 2024. Submit registration for the meeting on the IAS website.
INTERNATIONAL ASSOC. FOR GEOSCIENCE DIVERSITY
STUDENT PATHWAYS SCHOLARSHIP
Student Pathways Scholarship, which has a
deadline of March 10th, 2024! 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 application form is here.

WASHINGTON STATE UNIVERSITY, PULLMAN WA
(EASTERN WA)
Website with details about the program
Applicable Field/Major: Students at all levels of their
undergraduate work are sought for this program,
and majors such as environmental engineering,
atmospheric science, water resources, civil
engineering, as well as students from chemistry,
physics, math, and other technical majors are
encouraged to apply. And yes, we take Freshmen
to Juniors. Apply by Feb. 25.

NSF NCAR | UCAR | UCP STUDENT OPPORTUNITIES
NCAR | UCAR | UCP offer many different summer
experiences for students in Earth System Science.
Labs and Programs have unique opportunities with
separate applications and different deadlines. We
invite you to explore the compiled list below and
apply to opportunities you find interesting.

NASA Heliophysics Summer School
UCAR CPAESS partners with NASA to hold the
Heliophysics Summer School each year. We invite
you to apply for the 2024 NASA Heliophysics
Summer School, which will be held both virtually
and in-person this year. We are seeking students to
join us this coming summer for a unique professional
experience. They will learn about the exciting
science of heliophysics as a broad, coherent
discipline that reaches in space from the Earth’s
troposphere to the depths of the Sun, and in time
from the formation of the solar system to the distant
future. Deadline: Feb. 29

ACOM Ralph Cicerone Fellowship
The Ralph Cicerone Fellowship in Earth System
Science is intended for graduate students with
experience in, or working with, underrepresented
communities. One fellowship is awarded each year
for a two-year period. Successful candidates
receive financial support for four months, divided
over two years, and benefit from the training and
guidance of ACOM scientists on tools and
techniques that enhance and support their
graduate research. Generally, the Fellowship
recipient will visit NCAR for three consecutive
months in the summer of the first year to focus on a
self-defined research project in the field of
atmospheric chemistry and one month in the
following year to complete the project.
Applications due February 29, 2024

UCAR Next Generation Fellowship
The UCAR Next Generation graduate Fellowship is a
prestigious, multi-faceted opportunity to explore the
interplay between the areas of scientific research,
diversity and inclusion, and public policy within the
field of Earth Systems Science. Fellows engage with,
and learn from, UCAR’s leaders in these three
arenas while participating in dedicated professional
development and leadership training opportunities.
Application will open in January 2024.

Student Opportunities Website
Check the opportunities website for other
opportunities that are not currently accepting
applications but may during other times of the year.

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

http://www.eaps.purdue.edu/
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.

55 th Lunar and Planetary Science Conference (LPSC)

March 11-15, 2024
The Woodlands, TX / virtual
Meeting info

Integrating Ocean Drilling and NASA Science: A Workshop to Explore Missions to Planet Earth

April 2-4, 2024
Washington, D.C.
Meeting info

URANUS Flagship Workshop

May 21-23, 2024
NASA Goddard Space Flight Center, Greenbelt, MD
Meeting info

8 th International Conference on Mars Polar Science and Exploration

July 8-12, 2024
Whitehorse, Yukon, Canada
Meeting info
Wooster is hiring a 2-year Visiting Assistant Professor in Environmental Science. We are open to any expertise in the environmental sciences as long as the candidate can teach GIS. Next year, we will be developing an Environmental Science major – this person would play a critical role in that process and the administration has been supportive of our plan to convert this position to tenure track. This is a great opportunity for an early career scientist to launch a future in the liberal arts. Our small, supportive department fosters a vibrant environment for students, staff, and faculty to thrive. We are looking for someone who is passionate about teaching and eager to contribute to our intellectual and inclusive community. Full details and application instructions can be found here.

NOBLE GAS GEOCHEMISTRY TRACK – SYRACUSE UNIVERSITY

1. Fully funded Ph.D. student positions: Students will apply noble gases as a dating and tracing tool for fluid and solid samples. Students will be trained in noble gas geochemistry for both laboratory and data analysis skills. Students will conduct experimental noble gas work in groundwater, natural gas, and/or rock.

2. Postdoc/Lab Manager position (3-year support): The candidate will assist in the management of the noble gas geochemistry laboratory and performing noble gas geochemistry research. The candidate will conduct experimental noble gas work in shallow and deep groundwater, natural gas, and rock samples. The candidate will be expected to collaborate with faculty members in ongoing research projects with the possibility to conduct independent research. The successful candidate will also have the option to participate in teaching, including lectures and laboratory teaching of both undergraduate and graduate students.

Environmental Data Sciences and Geospatial Modeling Track

3. Fully funded Ph.D. student position
4. Postdoc position (3-year support)

Both positions above (3 and 4) will work on a DOE-funded project to learn and apply machine learning and geospatial modeling to analyze multidisciplinary datasets to understand the status and environmental impacts of oil and gas wells. Please email Dr. Tao Wen (fwen08@syr.edu) with questions and project details.

UCHICAGO – TWO POSITIONS AVAILABLE

- Assistant Instructional Professor (https://apply.interfolio.com/136612)
- Senior Instructional Professor (https://apply.interfolio.com/137371).

These are career-track (although not tenure-track) teaching positions.

POSTDOC POSITION(S) - THE BARNES GROUP AT CSU

The Barnes Research Group at Colorado State University’s Dept. of Atmospheric Science is looking to hire two postdoc positions in the area of artificial intelligence (AI) for climate science! Specifically, the individual(s) will design and implement novel AI approaches for the prediction of earth system phenomena under past, present, and future climates. Research topics will include predicting extreme events on subseasonal-to-decadal time horizons, training, implementing and evaluating modern AI-weather/climate emulators, developing transfer learning approaches for climate models and observations, and using high-performance computing including GPU computing. For more questions / information please contact Prof. Barnes at eabarnes@colostate.edu
To find out more about the Barnes Research Group, visit: https://barnes.atmos.colostate.edu
To apply via the open postdoc pool, go here: https://jobs.colostate.edu/postings/125988

AES – FACULTY SEARCH

The UAH Department of Atmospheric and Earth Science (AES) is conducting an open-rank faculty search for a member of our community who is interested in utilizing and expanding the UAH SWIRLL research and teaching facilities. Questions? aes-chair@uah.edu. Apply here.

FULL-TIME WEEKEND METEOROLOGIST/WEEKDAY REPORTER - WVVA TV IN BLUEFIELD, WV.

An immediate opening for a full-time weekend meteorologist/weekday reporter (for weather/science stories). Link

TENURE TRACK METEOROLOGY FACULTY POSITION - VALPARAISO UNIVERSITY

We are excited to announce an opening for a Tenure Track Assistant Professor of Meteorology at Valparaiso University starting in August 2024. We especially need someone for mesoscale meteorology at the undergraduate level. Apply here.
DePAUW SEEKING PART TIME INSTRUCTOR
The department of Geology and Environmental Geoscience at DePauw University is looking for a part-time instructor to teach an undergraduate course in Hydrogeology in next spring semester. This is a great opportunity for a graduate student to get some teaching experience in a Liberal Arts setting (at least a Master’s degree is required). Apply here.

POSTDOCTORAL FELLOWSHIP IN METEOROLOGY: NUMERICAL SIMULATION STUDIES OF TORNADOES
The School of Meteorology of the University of Oklahoma has an opening for a Postdoctoral Fellowship in the areas of numerical modeling and severe storms. The successful candidate will use very high-resolution simulations (Cloud Model 1) to study the interaction between tornades and the built environment to understand how tornado dynamics evolve over urban landscapes. Sensitivity studies examining different neighborhood layouts and building types will be conducted, and different techniques for injecting turbulence into the model will be explored. The successful candidate will be supervised by Prof. David Bodine and will work collaboratively with an interdisciplinary team of scientists and engineers, including scientists Drs. Anthony Reinhart and Jeremy Gibbs at the National Severe Storms Laboratory and Prof. Franklin Lombardo at the University of Illinois Urbana-Champaign.

The successful candidate will work in the National Weather Center where the School of Meteorology and NOAA’s National Severe Storms Laboratory reside. The National Weather Center fosters a unique collaborative work environment with federal, state, and academic units, providing valuable networking opportunities for career advancement.

Salary will be competitive based on experience and qualifications. The University of Oklahoma offers competitive benefits. Positions are open now until it is filled, and full consideration will be given to applications received by January 31, 2024. Candidates in the final stages of completing their Ph.D. are also encouraged to apply. The term of appointment will be one year, renewable for a second year subject to satisfactory performance.

Qualifications
Requirements:
- Ph.D. in Atmospheric Science, Meteorology, Engineering, Computer Science, Physics, Mathematics, or related disciplines within the last 5 years
- Strong background in numerical modeling
- Desired Skills and Qualifications:
  - Programming experience with programming languages used in numerical models (e.g., Fortran)
  - Excellent written and oral communication skills, evidenced by peer-reviewed publications
  - Past experience and/or strong interest in using supercomputing resources
- Background and/or strong interest in mesoscale meteorology and atmospheric dynamic

Application Instructions
To apply for this position, please submit the electronic application via Interfolio and to Prof. David Bodine (bodine@ou.edu) and include the following: a letter of research interest and experience, CV, and three names of references (including their contact information).

NYS MESONET FIELD TECHNICIANS
NYS Mesonet is hiring a field technician position to maintain and repair 126-site standard network and 85 subnetwork sites. Competitive pay + benefits, learn more and apply here.

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. Learn more 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.

METEOROLOGIST POSITIONS AVAILABLE

http://www.eaps.purdue.edu/
TEGNA

Multiple meteorology positions are open with TEGNA.

PURDUE ENVISION CENTER (UNDER ITAP)

RECRUITING EAPS STUDENTS

The Envision Center is recruiting 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 Qian 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.