

EAPS WEEKLY NEWSLETTER

July 12, 2021

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EAPS MEETINGS & EVENTS

Faculty Meetings (3:30-5pm, Executive Committee 3-3:30pm)

- 14 September
- 26 October
- 9 November
- 7 December

Primary Committee 3-5pm Associate and Full Professors) Sept. 28, 2021

[PURDUE CALENDAR 2021-22](#)
Fall Semester Begins August 23rd

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

[REPORT YOUR OUTREACH AND ENGAGEMENT ACTIVITIES](#)

PUBLICATIONS

THE LATEST PUBLICATIONS FROM EAPS

(in no particular order)

- Y. Zhou, C.P. West, A.P.S. Hettiyadura, X. Niu, H. Wen, J. Cui, T. Shi, W. Pu, X. Wang, A. Laskin. Molecular Composition, Optical Properties, and Radiative Effects of Water-Soluble Organic Carbon in Snowpack Samples from Northern Xinjiang, China. *Atmospheric Chemistry and Physics*, 21, 8531–8555, (2021). doi: 10.5194/acp-21-8531-2021

- A.P.S. Hettiyadura, V.G. Garcia, C. West. Tomlin, C. Li, Q. He, Y. Rudich, A. Laskin. Light Absorption and Chemical Composition of Biomass Burning Tar Brown Carbon Proxies. *Environmental Science and Technology*, 55, 2511-2521, (2021). <https://dx.doi.org/10.1021/acs.est.0c05883>

OUTREACH NEWS

Superheroes of Science is always looking for interesting science to share.

If you would like to share an aspect of the science you are researching, contact [Steven](#) to set up an interview. Please consider subscribing, liking, and sharing videos for the channel.

Outreach has a number of programs to help you with your broader impacts and engagement activities.

The Purdue University Superheroes of Science Podcast is on most podcast players as well as [YouTube!](#)

Social sites:

[Facebook EAPS Outreach](#)

[Facebook Superheroes of Science](#)

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

DEPARTMENTAL NEWS AND OPPORTUNITIES

DURI PROJECTS ANNOUNCED FOR FALL 2021: STUDENT APPLICATIONS BEING ACCEPTED

Discovery Park has posted new research projects for Fall 2021 as part of the Discovery Park Undergraduate Research Internship (DURI).

Undergraduates can see the current list of DURI projects and apply for the fall session on the DURI website. **The student application deadline is July 30.** Faculty project supervisors will then review all eligible student applications before making final selections. Students will be notified of their acceptance after that date.

Students selected this fall will be responsible for pursuing their research projects, culminating with a poster presentation in the Fall Research Expo and a one-page abstract/summary of their results. Assuming all requirements are met, each participating student will earn a \$1,000 fall semester fellowship from the DURI program. [For more info.](#)

**APPLICATIONS OPEN FOR
SC21 EARLY CAREER PROGRAM**

Are you an early-career researcher or technical professional within the first five years of a permanent position in navigating a successful career path? Check out the [Early Career Program at SC21!](#)

The Early Career program provides a one-day series of special sessions for early-career researchers, educators, and technical professionals. This includes academic, industry, and laboratory staff and post-docs within the first five years of a permanent position. The Early Career program is available to participants by application only. The program will include engaging interactive sessions aimed at helping participants develop their professional skills, as well as a strategic vision for their future. Early Career sessions will be held in a virtual workshop format on **Monday, November 15, 2021** (subject to change), before the full SC21 Program begins -- this allows participants to enjoy as much of the Technical Program as possible. The participants have networking opportunities throughout the day.

Important dates:

Applications Open February 15, 2021

Applications Close July 31, 2021

Notifications Sent August 31, 2021

For more information, and to apply please visit the [SC21 ECP Website](#).

**ABSTRACTS REQUESTED FOR
AGU 2021 FALL MEETING**

Calls to submit an abstract to AGU session at the [AGU Fall Meeting 2021](#) (December 13-17, New Orleans). The meeting is being planned to support both online and in-person attendees.

Our session is on Advances in Computational Analysis in Geophysical Processes: Applied Mathematics Perspectives on Prediction, Uncertainty Quantification, and State Estimation within the Nonlinear Geophysics Focus Group. The [link to our session](#).

We also have [another parallel session](#) on Multiscale and Stochastic Models. Please also consider submitting an abstract there if you feel your work fits better in that session.

**ABSTRACT DEADLINE REMINDER
12TH PLANETARY CRATER CONSORTIUM
MEETING**

August 11-13, 2021 - Virtual

The 12th Planetary Crater Consortium (PCC) meeting is open to planetary and terrestrial scientists interested in any aspect of impact cratering on solar system bodies. The annual meeting is designed to encourage and provide adequate time for in-depth discussion of crater-related issues and research topics to enhance collaborations.

[Call for Abstracts](#)

Abstract submission deadline -- July 1, 2021, 5:00 p.m. U.S. Central Daylight Time (GMT -5)

Abstracts related to observational, theoretical, experimental, and numerical modeling studies of impact craters on planets, dwarf planets, moons, asteroids, comets, or other small solar system objects are welcome. For more guidance on abstract submission, check the Call for Abstracts page on the meeting website.

Important: To be added to the mailing list to receive pertinent information about this meeting and to indicate your interest in participating, please submit an Indication of Interest.

**REGISTRATION NOW OPEN FOR
METEORITICAL SOCIETY ANNUAL MEETING**
August 15-21, 2021, Chicago, Illinois

The 84th Annual Meeting of the Meteoritical Society will be an in-person meeting held at the Hilton Chicago located downtown. Virtual attendance will be possible for those who cannot travel to Chicago.

Registration

- Regular registration closes on July 30, 2021.
- The deadline to cancel registration with a full refund is July 30, 2021.

The Meteoritical Society will be implementing a series of health and safety protocols and onsite precautions in light of the ongoing COVID-19 pandemic. As new developments arise over the coming months, our approach will adapt, and we will keep the community informed of any changes. [More information](#)

CALL FOR POSTER ABSTRACTS
2021 FALL MEETING OF THE
OUTER PLANETS ASSESSMENT GROUP (OPAG)
AUGUST 30--SEPTEMBER 1, 2021 - VIRTUAL

OPAG is NASA's community-based forum designed to provide science input for planning and prioritizing outer planet exploration activities for the next several decades. The focus of this meeting will be on aspects of the Decadal Survey that are relevant to OPAG. Decadal status reports, mission reports, and other presentations on items of interest to OPAG will be given. A virtual poster session will also be part of this meeting.

Call for Poster Abstracts

Posters are encouraged on topics relevant to outer planets, including (but not limited to) science, instruments, mission concepts, and technology. Accepted poster authors will upload an e-poster and give a virtual presentation in Gather.town on the evening of August 31, 2021. Abstract submission deadline -- August 2, 2021, 5:00 p.m. U.S. Central Daylight Time (GMT -5).

Registration

Registration fees are not being collected for this virtual meeting, but registration is required. To continue receiving updates, complete the electronic registration form.

Registered participants will receive an e-mail from Houston Meeting Info prior to the meeting with virtual connection information. [More info here.](#)

SCHOLARSHIP OPPORTUNITY - SWANA

SWANA, a solid waste disposal organization has statewide scholarships available to college students. Applicants must be student members of the organization but membership is free. [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

EAPS GRAD STUDENT RESEARCH
OPPORTUNITIES

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

UNIVERSITY NEWS

COURSE CATALOG NOW AVAILABLE

The 2021-22 Purdue Course Catalog is now [available online](#).

2021-22 INTERNATIONAL PROGRAMS
CURRICULUM GRANTS

These grants are meant to encourage the development of online courses or projects with international partners that intentionally plan for intercultural learning outcomes. [Learn more.](#)

OLD GOLD VACCINATION
DRAWING FOR STUDENTS

For 10 Boilermakers, COVID-19 vaccination will be the golden ticket to winning \$9,992 — the equivalent of a year's undergraduate tuition cost for an in-state Boilermaker. Ten students who submit valid proof that they are fully vaccinated against COVID-19 by July 15 will be randomly selected and announced by July 29. The drawing is open to current and admitted students enrolled for the fall 2021 semester on the West Lafayette campus. All undergraduate, graduate student and professional degree-seeking students, regardless of residency, are eligible to enter and win. [Read more.](#)

COVID VACCINES

[Purdue is offering COVID vaccines.](#) Have you been fully vaccinated? Purdue requests that you [submit documentation to Protect Purdue Health Center.](#)

SPRING 2021 CALENDAR
OFFICE OF GRADUATE PROFESSIONAL
DEVELOPMENT

Career Prep, Academic Career Track, Industry Career Track, Wellness, Research & Ethics, Communication, Grantsmanship, Post-Docs, & Diversity. All Spring 2021 Workshops are virtual. New Workshops are added regularly! For registration & additional information, [click here](#).

POSITIONS AVAILABLE- CAREER OPPORTUNITIES

**PHD STUDENT IN HYDROLOGY, FOCUS ON
COUPLED GEOHYDROMECHANICAL
PROCESSES (SWEDEN)**

Uppsala University is a comprehensive research-intensive university with a strong international standing. Our ultimate goal is to conduct education and research of the highest quality and relevance to make a long-term difference in society. Our most important assets are all the individuals whose curiosity and dedication make Uppsala University one of Sweden's most exciting workplaces. Uppsala University has over 45,000 students, more than 7,000 employees and a turnover of around SEK 7 billion. [Learn more](#).

**POSTDOCTORAL APPOINTEE – WIND ENERGY
RESOURCE MODELER**

Argonne National Laboratory has a new Postdoc Appointee opportunity focusing on wind energy resource modeler. This role will be a part of their EVS – Environmental Sciences division under the direction of Rao Kotamarthi. This role will involve methodological and applied research related to wind energy resource characterization for onshore and offshore situations. Argonne National Laboratories are looking for a candidate that has completed their PhD within the last three years, or will be completing this summer. For more information, [click here](#).

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 (pierce81@purdue.edu) **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](#).