

EAPS WEEKLY NEWSLETTER

August 9, 2021

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EAPS MEETINGS & EVENTS

**EAPS Picnic 4:00-dusk Aug. 20, 2021 –
Happy Hollow Park, Shelter 1**

EAPS Retreat 3:00-5pm Aug. 24, 2021

**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](#)

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

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.

ACADEMIC INTEGRITY, THE CODE OF CONDUCT & YOU: FACULTY AND STAFF

The Office of Student Rights and Responsibilities is offering multiple opportunities for faculty and staff members to attend "Academic Integrity, the Code of Conduct & You: Faculty and Staff" to prepare for the 2021-2022 academic year.

The presentation will cover common examples of academic dishonesty, how to identify and deter academic dishonesty, how to address academic dishonesty, lessons learned from the 2020-2021 school year, and an overview of the student conduct process. All presentations will be scheduled for 90 minutes with time dedicated to answer participants' questions and concerns. One presentation will be offered in person and two presentations will be offered virtually. To register to attend a presentation, please go to: [OSRR Presentation Registration](#)

DECADAL SURVEY ON BIOLOGICAL & PHYSICAL SCIENCES RESEARCH IN SPACE 2023-2032

The Decadal Survey on Biological and Physical Sciences Research in Space 2023-2032 is now accepting white papers. White papers can either be "topical" and focus on a single research area, scientific investigation, or experiment, or be for "research campaigns" that address broad or large-scale goals and can span multiple topics or research disciplines. Of particular interest is "[transformative research](#)" for ideas, discoveries, or tools that radically change our understanding of an important existing scientific or engineering concept or that lead to the creation of a new paradigm or field of science or engineering.

The National Academies of Science, Engineering and Medicine (NAEM) has released this call for white papers and the white papers will contribute to the development of their report for the next [Decadal Survey on Life and Physical Sciences Research in Space 2023-2032](#). These white papers serve as the input from the scientific community into the decadal survey. The report will be used by the Science Mission Directorate of the National Aeronautics and Space Administration (NASA) to provide the framework for the vision, priorities, and strategic plan and budget for NASA's research efforts in the area of biological and physical sciences in reduced gravity environments.

The [call for 2- to 5-page white papers](#) have the following due dates:

- "Topical" white papers should be received by **October 31, 2021**.
- "Research Campaign" white papers should be received by **December 23, 2021**.

Information about past microgravity materials science research conducted aboard the International Space Station (ISS) may be found at [A Researcher's Guide to Microgravity Materials Research](#).

The most recent decadal survey was entitled "[Recapturing a Future for Space Exploration: Life and Physical Sciences Research for a New Era](#)," which was subsequently followed by "[A Midterm Assessment of Implementation of the Decadal Survey on Life and Physical Sciences Research at NASA](#)."

WORKSHOP ANNOUNCEMENT

2021 Community Workshop on Astromaterials Data Management in the Era of Sample Return Missions

November 8--November 9, 2021

Virtual/Tucson, Arizona

The workshop will provide an opportunity to present and discuss all the current projects and initiatives for astromaterials sample tracking and data management. The workshop is opened to all members of the scientific community. It will bring together researchers, scientists, and software engineers working on systems to track samples between curation and sample scientists, and the management, visualization and archiving of datasets resulting from the analysis of planetary materials. Those include both mission-returned samples and astromaterials (meteorites, micrometeorites, and interplanetary dust particles). The organizers invite contributions spanning all these related topics, including data management for past (e.g., Apollo), current (e.g., Hayabusa2, OSIRIS-REx, ANGSA and Chang'e 5), and future (e.g., Mars Sample Return, MMX) sample-return missions.

Important: To be added to the mailing list to receive pertinent information about this workshop and to indicate your interest in participating, please submit an Indication of Interest by August 31, 2021, 5:00 p.m. PDT.

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.](#)

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

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.](#)

COVID VACCINES

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

POSITIONS AVAILABLE- CAREER OPPORTUNITIES

NEW POSITION FOR OPERATIONS MANAGER OF THE DATA MINE

The Data Mine is hiring an Operations Manager. Here are the internal Purdue links and the external links, in case you have colleagues who might be interested in this role.

[Internal direct posting link.](#)

[External direct posting link.](#)

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](#).