Fall is coming…

And not just because the summer solstice has passed—it’s time to start thinking about submitting an abstract to the AGU Fall Meeting!

This year’s meeting will be back in San Francisco and online everywhere on 11-15 December, 2023. This year there are 40 planetary science sessions (and four more cross-listed with other Sections), covering topics as diverse as planetary atmospheres, minor bodies, future mission concepts, and Archean Earth, as well as current and upcoming flight investigations and, of course, a big focus on lunar exploration science. As usual, the Planetary Sciences Section will host the Sagan, Shoemaker, and Whipple Lectures, too; we'll announce who'll be giving those lectures later in the summer.

You can find the full list of sessions here: https://agu.confex.com/agu/fm23/prelim.cgi/Program/3790

And abstracts are due on Wednesday, 2 August 2023 at 11:59 pm EDT (03:59 +1 GMT).

Unfortunately, registration rates for this year’s AGU23 have increased considerably; the early-bird fee for an AGU member for the full week is $725, a 17% increase over 2022 rates. We're disappointed that the Fall Meeting has become so expensive, but these rates reflect increased costs associated with food and beverages, staffing, and running a large, hybrid meeting.

Decisions regarding registration fees are not made at the Section level, but if you have concerns, comments, or questions we want to hear them. So please get in touch at paul.byrne@wustl.edu, and we'll work with AGU Council leadership to find out more. We'll also be offering our student travel and caregiver grants again this year to help defray some of these expenses for folks who need it most. Details on how to apply for those grants will follow in a later newsletter.
As always, don’t hesitate to reach out to any of your Section leadership. And if you have any deadlines, events or announcements you would like to share, please email Sarah Hörst at sarah.horst@jhu.edu.

Paul

Paul Byrne, President
Wendy Calvin, President-Elect
Sarah Hörst, Secretary
Emma Dahl, Early Career representative
An Li, Student representative
Michael Mischna, Past President

Upcoming Events

• 2-7 July, 2023: International Conference on Fluvial Sedimentology (ICSF) 2023
• 3-7 July, 2023: Complex Planetary Systems II (CPS II): Latest Methods for an Interdisciplinary Approach
• 3-7 July, 2023: Towards Other Earths III: The Planet-Star Connection
• 7-14 July, 2023: Space Weather, Debris, and Near Earth Objects
• 8-28 July, 2023: Exoplanet Summer Program (ESP)
• 9-14 July, 2023: Goldschmidt 2023
• 9-14 July, 2023: International Conference on Aeolian Research
• 10-14 July, 2023: Astrochemistry VIII; From the First Galaxies to the Formation of Habitable Worlds
• 10-14 July, 2023: European Astronomical Society Annual Meeting
• 10-14 July, 2023: Josep Comas I Solà International Summer School in Astrobiology: Searching for Life on Ocean Worlds
• 11-13 July, 2023: 29th Meeting of the NASA Small Bodies Assessment Group (SBAG)
• 12-13 July, 2023: Lunar Surface Innovation Consortium (LSIC) Lunar Proving Grounds Definition Workshop
Planetary Sciences Announcements/Updates


Articles preceded by (OA) are published with open access:

1. (OA) Regolith of the Crater Floor Units, Jezero Crater, Mars: Textures, Composition, and Implications for Provenance, by Alicia Vaughan, Michelle E. Minitti, Emily L. Cardarelli, Jeffrey R. Johnson, Linda C. Kah, Paolo Pilleri, Melissa S. Rice, Mark Sephton, Briony H. N. Horgan, Roger C. Wiens, R. Aileen Yingst, Maria-Paz Zorzano Mier, Ryan Anderson, James F. Bell III, Adrian J. Brown, Edward A. Cloutis, Agnes Cousin, Kenneth E. Herkenhoff, Elisabeth M. Hausrath, Alexander G. Hayes, Kjartan Kinch, Marco Merusi, Chase C. Million, Robert Sullivan, Sandra M. Sjöström, Michael St. Claire,
   [https://doi.org/10.1029/2022JE007437](https://doi.org/10.1029/2022JE007437)

   [https://doi.org/10.1029/2022JE007706](https://doi.org/10.1029/2022JE007706)

   [https://doi.org/10.1029/2022JE007669](https://doi.org/10.1029/2022JE007669)

4. Spectroscopic Characterization of Impactites and a Machine Learning Approach to Determine the Oxidation State of Iron in Glass-Bearing Materials, by E. Bruschini, C. Carli, H. Skogby, G. B. Andreozzi, A. Stojic, A. Morloki,
   [https://doi.org/10.1029/2023JE007736](https://doi.org/10.1029/2023JE007736)

5. (OA) Experimental Weathering of Rocks and Minerals at Venus Conditions in the Glenn Extreme Environments Rig (GEER), by Alison R. Santos, Martha S. Gilmore, James P. Greenwood, Leah M. Nakley, Kyle Phillips, Tibor Kremic, Xavier Lopez,
   [https://doi.org/10.1029/2022JE007423](https://doi.org/10.1029/2022JE007423)

   [https://doi.org/10.1029/2022JE007599](https://doi.org/10.1029/2022JE007599)

7. Rifting Venus: Insights From Numerical Modeling, by Alessandro Regorda, Cedric Thieulot, Iris van Zelst, Zoltán Erdős, Julia Maia, Susanne Buiteri,
   [https://doi.org/10.1029/2022JE007588](https://doi.org/10.1029/2022JE007588)

8. (OA) Martian Gravity Waves Observed by the Thermal Emission Imaging System (THEMIS) During Northern Summer, by J. Michael Battalio, Nicholas Heavens, Alexey Pankine, Corwin Wright, Aster Cowart,
   [https://doi.org/10.1029/2022JE007653](https://doi.org/10.1029/2022JE007653)


15. Exploring the Lunar Regolith’s Thickness and Dielectric Properties Using Band-Limited Impedance at Chang‘E-4 Landing Site, by Yongjiu Feng, Shurui Chen, Xiaohua Tong, Chao Wang, Pengshuo Li, Mengrong Xi, Changjiang Xiaoi, https://doi.org/10.1029/2022JE007540


18. The Mechanism for the Barrier of Lunar Regolith on the Migration of Water Molecules, by Yasheng Li, Zhi Wen, Chengdan He, Yanjing Wei, Qiang Gaoi, https://doi.org/10.1029/2022JE007254


