

Breaking News

- Ocean Worlds Working Group (OWWG): We are delighted to share that Cynthia Phillips (JPL) and Michael Bland (USGS) have agreed to serve as the first Co-Leads of this joint venture to represent the shared interests in Ocean Worlds from across the Planetary Sciences and Astrobiology Communities. More to follow...
- [ESA's JUICE mission](#) launched successfully on Friday April 14th.... Settle in for the long haul to Jupiter*
- Call for FLOW/NOW volunteers: [sign up here](#) to help co-lead an Ocean Worlds proposal for [Ocean Sciences 2024](#)

Making Waves with NOW

- This month's new releases: Mike Malaska, [Potential caves: Inventory of subsurface access points on the surface of Titan](#).
- Call for future [NOW Waves](#), please submit slide (pptx, jpg, pdf) to: kpietro@whoi.edu

Upcoming NOW Events

- [Quarterly Lecture Series S3 E3](#): Exploring Ocean Worlds Through Analogs: Numerical Simulations
 - [Dimitris Menemenlis](#), JPL & [Krista Soderlund](#), UT Austin
 - [Rewatch on YouTube](#)

Other Meetings, Workshops and Activities

- May 2-3 [OPAG](#)
- May 4-6 [AbGradEPEC 2023 Symposium](#)
- May 5-7 [Oxygen in Planetary Biospheres](#)
- May 8-12 [Biennial European Astrobiology Conference](#)
- May 10-12 [COLDEX Interdisciplinary Oldest Ice Science Short Course for ECR's](#)
- May 11 & 25 [NASA Planetary Science Summer School in Mission Design](#)
- May 15-18 [Brines Across the Solar System: Ancient and Future Brines](#)
- May 15-19 [Chapman Conference on Hydrothermal Circulation and Seawater](#) Circulation
- May 18-22 [AbGradCon Proposal Writing Retreat](#)
- May 22-25 [Ab GradCon](#)
- June 13-15 [Titan Through Time](#) (abstract deadline **4/15/2023**)
- June 26-20 [Moons of the Solar System Summer School](#)
- July 9-14 [Goldschmidt 2023 session](#): "Biosignature Diversity, Preservation, and Detection through Geologic Time"
- July 10-14 [International Summer School in Astrobiology](#)
- July 25-27 [Uranus Flagship 2023](#) (abstract deadline **4/27/2023**)
- July 25-27 [CRYO2023 Society for Cryobiology](#)
- July 30-Aug 4 [AOGS 2023](#) including [PS09: Geology, Geophysics, and Habitability in Our Solar System](#)

Recent Publications Relevant to Ocean Worlds

- [Averbuch, et al. 2023](#). Seismo-acoustic coupling in the deep atmosphere of Venus. The Journal of the Acoustical Society of America 153, 1802 (2023); <https://doi.org/10.1121/10.0017428>.
- [Farnsworth, et al. 2023](#). Floating Liquid Droplets on the Surface of Cryogenic Liquids: Implications for Titan Rain. ACS Earth Space Chem. 7, 2, 439–448. <https://doi.org/10.1021/acsearthspacechem.2c00311>.
- [Hofgartner, J.D., Hand, K.P.](#) A continuum of icy satellites' radar properties explained by the coherent backscatter effect. *Nat Astron* (2023). <https://doi.org/10.1038/s41550-023-01920-2>
- [Journaux, et al. 2023](#). On the identification of hyperhydrated sodium chloride hydrates, stable at icy moon conditions. Edited by Joanna Aizenberg, Harvard University, Cambridge, MA; received October 7, 2022; accepted January 20, 2023. 120 (9) e2217125120 <https://doi.org/10.1073/pnas.2217125120>.

- [Liu, et al. 2023](#). Reversibility controls on extreme methane clumped isotope signatures from anaerobic oxidation of methane, *Geochimica et Cosmochimica Acta*, Volume 348, Pages 165-186, ISSN 0016-7037. <https://doi.org/10.1016/j.gca.2023.02.022>.
- [Napoleoni, et al. 2023](#). Mass Spectrometric Fingerprints of Organic Compounds in NaCl-Rich Ice Grains from Europa and Enceladus. *ACS Earth and Space Chemistry*. <https://doi.org/10.1021/acsearthspacechem.2c00342>.

New Job Postings

- [Professor Planetary Atmosphere](#), University of Toulouse (4/20/2023)
- [Software Engineer Small-body ephemeris development](#), NASA JPL (4/26/2023)
- [Tenure Track Assistant Professor in Geobiology and Bio-Geochemistry](#), UC Santa Barbara (6/30/2023)
- [Visiting Assistant Professor, Department of Earth and Environmental Sciences](#), Wesleyan University (6/30/2023)
- [Research Associate / Specialist in Radiocarbon](#), Woods Hole Oceanographic Institution (until filled)
- [M.S. in Environmental Science](#), Western Washington University (rolling)
- *Previously advertised posts archived [HERE](#)*

Proposal Calls

- [NASA C.24 Here to Observe](#) (3/29/2024)
- [The Blue Marble Space Institute of Science Young Scientist Program](#) (4/15/2023)
- [Women in Astronomy Grant](#) (4/16/2023)
- [NASA MUREP Women's Colleges and Universities](#) (4/17/2023)
- [NASA Facility for Astromaterials Research](#) (4/30/2023)
- [Black in Astro Travel Grants](#) (5/1/2023)
- [NASA Topical Workshops, Symposia, and Conferences](#) (5/12/2023)
- [NASA Dragonfly Student and Early Career Investigator Program](#) (6/16/2023)
- [NASA Postdoctoral Program](#) (7/1/2023)

News, Education, and Outreach

- [Early Career Opportunity to Join an Arctic expedition on the SRV Marie Tharp](#): Submit a cover letter, resume, and a reference contact's information to trenholm.orp@gmail.com (4/30/2023)
- [Science Communication Aboard the JOIDES Resolution- Scientific Ocean Drilling and the Search for Life on Other Worlds](#), M. Toillon, NASA Astrobiology.
- Subscribe to the [NASA Astrobiology SciComm Guild](#)
- Subscribe to the [NASA Astrobiology Mailing List](#)

*Or make plans for travel to Florida's Space Coast in Oct 2024 to watch Europa Clipper launch