

### Making Waves with NOW

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- This month's new releases: Rudi Lien, [Tidally induced fault motion within Europa's ice shell and implications for subsurface communication development](#).
- Call for future [NOW Waves](#), please submit slide (pptx, jpg, pdf) to: [kpietro@whoi.edu](mailto:kpietro@whoi.edu)

### Ocean Worlds Near and Far, AbSciCon 2024

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- [Accessing Ocean Worlds: Challenges and Technologies for Sub-ice Sampling and Exploration](#)
- [Biosignature Detection and Preservation in Icy Surface Materials](#)
- [Building a Cross-Disciplinary Understanding of Ocean Worlds Habitability at the Dawn of the Europa Clipper Mission](#)
- [Chemical Cycling in Ocean Worlds](#)
- [From Subsurface to Surface and Plume: How Ejection Affects Erupted Material on Icy Ocean Worlds](#)
- [Geophysical Investigations of Habitability in Icy Ocean Worlds](#)
- [Organic Chemical Evolution of Ocean Worlds of the Outer Solar System](#)
- [Planetary Ocean Access: A Near-term Path to Extant Life Detection](#)
- [Pushing the Limits of \*in situ\* Instrumentation: Developing Tools for Planetary Exploration and Life-detection Applications on Icy Ocean Worlds](#)
- [Terrestrial analogs, research facilities, and state-of-the-art techniques for investigating life under conditions on Ocean Worlds](#)
- [The Whole Package: In Situ Sample Preparation and Instrumentation to Seek Life, its Precursors, and Context on Ocean Worlds](#)
- [Titan Prebiotic Chemistry: Surface and Subsurface](#)
- [Titan Science in Anticipation for the Dragonfly Mission](#)

### Other Meetings, Workshops and Activities

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- December 11-15 [AGU](#)
- December 11 [Origins Seminar Series](#) (ASU)
- December 19 [Nfold Forum](#)
- January 6-7 [ExoPAG 29](#)
- January 16 [Nfold Think Tank](#)
- January 18-20 [Discovery@30 and New Frontiers@20](#)
- January 30-Feb 2 [NASA SBAG Meeting](#)
- February 5,7,9 & 12,14, 16 [Communicating Discoveries in the Search for Life in the Universe](#)
- February 18-23, 2024 [Ocean Science Meeting](#)
- April 14-19 [EGU General Assembly](#) (submit an abstract by **1/10/2024**)
  - [PS2.1 Exploring the Mysteries of Jupiter's Icy Moons and their Space Environment](#)
- May 5-10 [AbSciCon 2024](#), submit an abstract by **1/10/2024**
- July 7-12 [IEEE International Geoscience and Remote Sensing Symposium](#)

### Recent Publications Relevant to Ocean Worlds

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- [Astrobiology Special Collection: Sub-Ice Sampling](#), Volume 23, Issue 11
- [E.M. Spiers and B.E. Schmidt, 2023](#). Variable Salinity and Hydrogen Production in Europa's Ocean. JGR Planets. Volume 128, Issue 11, e2023JE008028.
- [I. Madan, et al. 2023](#). Characterizing phase transitions for Titan's surface molecules: Implications for Dragonfly, Planetary and Space Science, Volume 239, 2023, 105804, ISSN 0032-0633.
- [R. R. Lien, et al. 2023](#). Tidally induced fault motion within Europa's ice shell and implications for subsurface communication development, Icarus, 2023, 115726, ISSN 0019-1035.
- [S.D. Vance, et al. 2023](#). Investigating Europa's Habitability with the Europa Clipper. *Space Sci Rev* **219**, 81.

## New Job Postings

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- [Assistant Professor, Dept. of Astronomy, University of Maryland](#), 12/15/2023
- [Scripps: Postdoctoral Scholar Award](#), 12/15/2023
- [NASA SBAG Steering Committee International Member Solicitation](#), 12/20/2023
- [Tenure Track Scientist, Marine Chemistry and Geochemistry](#), WHOI, 12/31/2023
- [Tenure Track Scientist, Geology and Geophysics](#), WHOI, 12/31/2023
- [Tenure Track Scientist - AOPE - Sensing, Robotics, and Machine Learning](#), WHOI, 12/31/2023
- [NASA OPAG Steering Committee Member Solicitation](#), 1/30/2024
- [Tenure Track Positions: Solar System Planetary Science](#), CalTech, open until filled
- [Tenure- Track Assistant Professor](#), Texas A&M, open until filled
- [Open Rank Faculty Position in Earth Systems Science](#), Rensselaer, open until filled
- *Previously advertised posts archived [HERE](#)*

## Proposal Calls

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- [Surface Water and Ocean Topography \(SWOT\) Science Team \(NASA\)](#), 12/15/2023
- [Schlanger Ocean Drilling Fellowship Program](#), 12/22/2023
- [COBRA Early Career Accelerator Stipends](#), 12/27/2023
- [RV Langseth Operations Calendar Years 2025-2026](#), 12/31/2023
- [Schmidt Ocean Institute: Call for Expressions of Interest for 2025](#), 12/31/2023
- [Growing Research Access for Nationally Transformative Equity and Diversity](#), 1/1/2024
- [NSF GEO-OCE: Advancing Research in the Geosciences Using Legacy Scientific Drilling Cores](#), 1/1/2024

## News, Education, and Outreach

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- [Assessment of NASA's NExSS Research Coordination Network](#)
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