

Making Waves with NOW

- This month's new releases:
 - Alvaro Crosta: [Exploring Habitability Conditions in Titan's Impact Record: The Formation of Menrva Crater](#)
- Call for future [NOW Waves](#), please submit slide (pptx, jpg, pdf) to: kpietro@whoi.edu

NOW Upcoming Events

- September 13th 1pm ET/ 10am PT [NOW Lecture Series](#) Season 2, Episode 3
 - The Geochemical exploration of Ocean Worlds, and links to Habitability (*details to come*)
- September 24th 11-1pm ET/ 8-11am PT NOW Proposal Writing Workshop
 - Presentations from Program Managers: Mary Voytek (PSD), Laura Lorenzoni (ESD-Oceans), Thorsten Markus (ESD-Cryosphere)
 - Discussion/ Q and A: post your questions in advance [HERE](#)
 - [Register as a NOW affiliate](#) for details
- October 11th NOW StComm meeting **3pm ET/ 12am PT** (*please note new time*)

FLOW (Future Leaders for Ocean Worlds) Upcoming Events

- September 3rd 7:30pm ET/ 3:30pm PT FLOW Kick-Off Social
 - A social event following OPAG for ocean world early career researchers to talk, connect, and learn about FLOW. Hosted by Elizabeth Spiers
 - [Zoom link](#), Passcode: FLOW21
- September 7th 4pm ET/ 1pm PT FLOW Career Coffee Hour
 - Coffee with Co-Leads: Chris German
 - [Zoom link](#), Passcode: 556877

Other Meetings, Workshops and Activities

- Aug 30- Sept 1 [OPAG](#)
- Sept 2 [AbGradE 2021](#)
- Sept 13-24 [EPSC](#)
- Sept 14-17 [AbGradCon 2021](#)
- Sept 20-23 [Global Oceans 2021](#)
 - Special Session on *Deep sea exploration and parallels to outer space*
- Oct 3-8 [DPS](#)
- Oct 25 [Modern Brines Across the Solar System](#)
- Dec 13-27 [AGU](#)
- Feb 27-Mar 4, 2022 [Ocean Sciences 2022](#) (**abstracts due September**)
 - [Special Session: HL18, Ocean Sciences for Ocean Worlds](#)
- Mar 21-25, 2022 [Space Science Week](#)
- May 15-20, 2022 [AbSciCon](#) (**session proposals due September 22nd**)
- July 16-24, 2022 [COSPAR](#)

Recent Publications Relevant to Ocean Worlds

- [Marlow et al., 2021](#). Carbonate-hosted microbial communities are prolific and pervasive methane oxidizers at geologically diverse marine methane seep sites, *PNAS*, 118 (25) e2006857118
- [Chela-Flores, 2021](#). Miniaturised Instrumentation for the Detection of Biosignatures in Ocean Worlds of the Solar System, *Front. Space Technol.*
- [Lu et al., 2021](#). Bioenergetic potentials in terrestrial, shallow-sea and deep-sea hydrothermal systems, *Chemical Geology*, Volume 583, 120449.

Career Opportunities

- [Advanced Systems Manager I](#) (Mission Area Lead, Planetary Science), Ball Aerospace
- [Postdoctoral positions in Fluid-Rock Interactions & Investigation of Deep Subsurface Life](#), Stable Isotope Laboratory, University of Toronto
- [Postdoc: Center for Space and Planetary Sciences](#), University of Arkansas
- [JPL Postdoc](#) - Laboratory Simulations of Surface and Atmospheric Processes on Icy Bodies and Exoplanets
- [NASA Postdoctoral Program](#) (11/1/2021)

Proposal Calls

- [TWSC](#) Topical Workshops, Symposia, and Conferences (5/13/2022)
- [PSTAR](#) Planetary Science and Technology Through Analog Research (7/23/2021; 10/7/2021)

Education and Outreach

- [A Few Steps Closer to Europa: Spacecraft Hardware Makes Headway](#)
- [Letter to the Astrobiology Community Concerning Diversity, Equity, Inclusion, and Access](#)
- [NASA Launches Mission Equity, Seeks Public Input to Broaden Access](#)
- Subscribe to the [NASA Astrobiology Mailing List](#)

