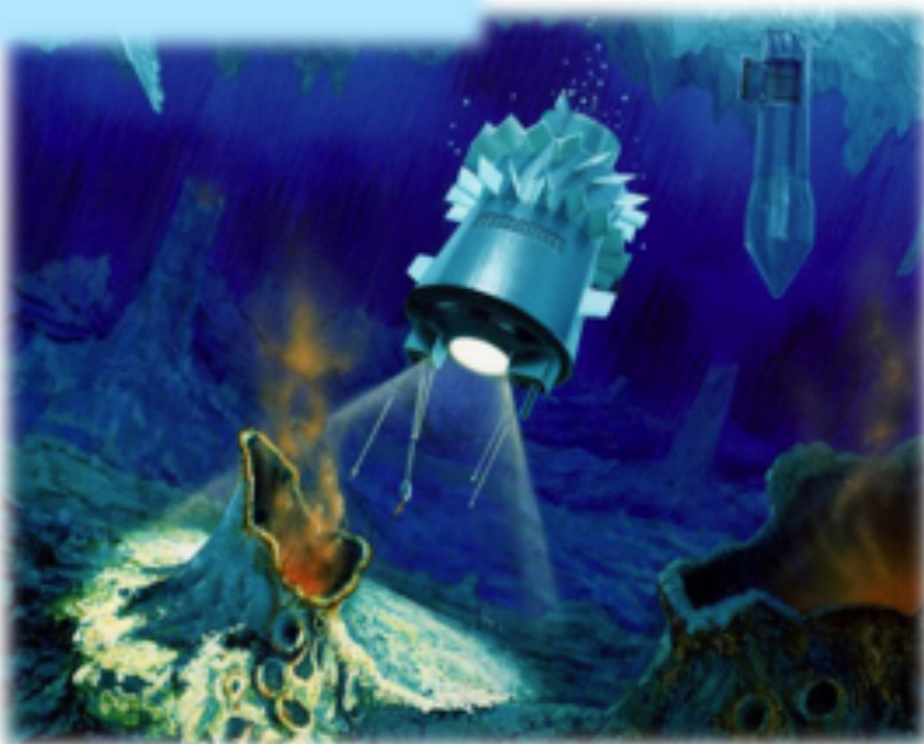




OCEAN WORLDS OF THE OUTER SOLAR SYSTEM

LIFE AS WE KNOW IT OR
LIFE AS WE DON'T?

Habitable environments likely exist in subsurface water oceans on the outer planet moons of Europa and Enceladus. On Titan, the largest moon of Saturn, lakes and seas of liquid hydrocarbon exist in addition to a vast subsurface water ocean. These represent ideal locations for hydrothermal environments that could sustain life as we know it and, in Titan's case, perhaps even life as we don't know it.



May 29, 2018
7:00-8:00 pm
Cortland Beer Company
16 Court Street
Free Admission

Alex Hayes is Assistant Professor of Astronomy at Cornell University. He and his group focus on solar system exploration using uncrewed planetary spacecraft. They are interested in characterizing potentially habitable environments across the solar system, with a focus on the ocean worlds Titan, Enceladus, and Europa, as well as the relic ocean world of Mars and comet 67P/Churyumov-Gerasimenko.



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