

Monday, May 21, 2018
OPENING SESSION: SETTING THE FRAMEWORK
1:00 p.m. Lecture Hall

Chair: Christopher German

1:00 p.m. German C. R. * Prockter L. *
Opening Remarks

1:15 p.m. Hand K. P. *
[*Ocean Worlds of the Outer Solar System*](#) [#6042]
I will provide an overview of why we think we know ocean worlds exist, what we know about the physical and chemical conditions that likely persist on these worlds, and how we may proceed in our search for biosignatures on these worlds.

1:55 p.m. Fisher A. T. *
[*Massive Hydrothermal Flows of Fluids and Heat: Earth Constraints and Ocean World Considerations*](#) [#6011]
This presentation reviews the hydrogeologic nature of Earth's ocean crust and evidence for massive flows of low-temperature ($\leq 70^{\circ}\text{C}$), seafloor hydrothermal circulation through ridge flanks, including the influence of crustal relief and crustal faults.

2:35 p.m. *Break*

2:50 p.m. Orcutt B. N. * Huber J. A. Sylvan J. B.
[*Life Between a Rock and a Hard Place: Microbe-Mineral Interactions Within Oceanic Crust*](#) [#6016]
To constrain the possibilities for where life might exist within icy ocean worlds with rocky inner cores, this keynote will summarize the latest discoveries about life in Earth's oceanic crust.

3:30 p.m. POSTER LIGHTNING TALKS
Each poster presenters will be allowed a four-minute presentation with a maximum of two slides.