

Tuesday, April 25, 2017

**SOLAR SYSTEM SITES: EARTH IN TIME/DEEP BIOSPHERE:
EARTH'S DEEP BIOSPHERE AND THE ASTROBIOSPHERE****1:30 p.m. Arizona Ballroom D**

- 1:30 p.m. Osburn M. R. * Casar C. P. Kruger B. Flynn T. M. Amend J. P.
[*Establishment of the Deep Mine Microbial Observatory \(DeMMO\) \[#3205\]*](#)
Here we describe the establishment and preliminary results from the Deep Mine Microbial Observatory, a portal into the deep subsurface biosphere.
- 1:45 p.m. Sabuda M. C. * Kubo M. D. Hoehler T. M. Cardace D. Williams L. I. Schrenk M. O.
[*Biogeochemical Interfaces in Serpentinizing Systems: A Case Study from the Coast Range Ophiolite Microbial Observatory*](#) [#3436]
Understanding microbial communities with respect to geochemical gradients may guide efforts to detect life in astrobiologically relevant serpentinizing systems.
- 2:00 p.m. Williams L. I. * Kubo M. D. Sabuda M. C. Cardace D. Schrenk M. O.
[*Seasonal and Episodic Microbial Community Dynamics of the Coast Range Ophiolite Microbial Observatory \(CROMO\), California*](#) [#3494]
Understanding how seasonal variation and other perturbations affect serpentinite subsurface microbial communities.
- 2:15 p.m. Schrenk M. O. * Hamilton S. Lacrampe-Couloume G. Sherwood Lollar B.
[*The Microbiology of Serpentinizing Ultramafic Intrusions: Insights from the Kirkland Lake Kimberlites*](#) [#3440]
Methanogenic microbial activities in serpentinizing ultramafic intrusions.