

The Keck Institute for Space Studies
presents the following lecture:

Field Exploration and Life Detection Sampling through Planetary Analogue Research (FELDSPAR)

*Lessons from Rocky Terrains and
How They May Translate to Ice*

Prof. Amanda Stockton
Georgia Tech

Wednesday, March 29, 2023

**4:30 PM Refreshments
5:00 PM Lecture**

**Lees-Kubota Lecture Hall
Guggenheim Laboratory
California Institute of Technology**

Planetary exploration missions rely on orbiters to collect large-scale data, while landed missions, constrained to footprints of a rover or lander, collect data from individual samples on the mm to cm scale. It is currently not well-constrained how biosignatures, or even habitable zones, are distributed over these spatial scales. FELDSPAR has sought to conduct field studies analogous to Mars sample return from landing site selection, in-field sample selection, remote or stand-off analysis, in situ analysis, and home laboratory (sample return) analysis. This talk will present an overview of the data collected throughout the six years of FELDSPAR studies.

**for more
information
go to
kiss.caltech.edu**

Seating is limited and is available on a first come, first served basis