



The Keck Institute for Space Studies
presents an open technical lecture:

Unraveling the Mysteries of Titan Using Lab on a Chip

Dr. Morgan Cable
NASA Postdoctoral Fellow
Jet Propulsion Laboratory

Wednesday, June 19, 2013

4:30 pm refreshments

5:00 pm lecture

Lees Kubota Auditorium

Guggenheim Building

California Institute of Technology

Titan, the moon of Saturn with a thick atmosphere and liquid hydrocarbon lakes, is considered the best target in the solar system for the study of organic chemistry on a planetary scale. Solar radiation and energetic particles activate methane and nitrogen in the atmosphere of Titan, which react to form complex organic aerosols.

Dr. Cable will describe how we can use lab on a chip technologies to tease apart these complex organic mixtures and identify key species. This work represents a significant first step in understanding Titan aerosols from a chemistry perspective, and can aid atmospheric models of this intriguing moon.

No registration is required for this free lecture.
Seating is limited and is available on a first come, first served basis.