

The Keck Institute for Space Studies
presents the following lecture:

The RIME & Reason of JUICE: The Jupiter Icy Moons Explorer

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Thursday, June 22, 2023

4:30 PM Refreshments
5:00 PM Lecture

Sharp Lecture Hall
California Institute of Technology

JUICE is a planetary probe on its way to Jupiter. Launched in April by the European Space agency, JUICE carries a diverse payload of instruments with the primary targets the icy moons of Jupiter: Ganymede, Callisto and Europa. Coated with ice-rich crustal shells, the moons are believed to contain vast interior zones of liquid water, making them potential abodes for life.

One of the key instruments on JUICE is RIME, the Radar for Icy Moon Exploration. Building on experience from terrestrial ice sheets and orbital instruments at Mars, RIME will use radar sounding to probe kilometers deep into the moons' icy crusts. The RIME radar is a joint project between the space agencies of Italy and the U.S. with key components designed and built at JPL. The lecture will describe the JUICE mission, its scientific goals, and provide details about the RIME experiment, already underway during the interplanetary cruise phase.

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

for more
information go to
kiss.caltech.edu