

The Keck Institute for Space Studies
presents the following lecture:

NISAR: The next phase in remote sensing of the Earth -

*earthquakes, volcanoes, aquifers, glaciers
and devastation*

Dr. Mark Simons

John W. and Herberta M. Miles Professor of Geophysics
Chief Scientist, NASA Jet Propulsion Laboratory

Monday, July 24, 2023


4:30 PM Refreshments

5:00 PM Lecture

**Sharp Lecture Hall - Arms Building
California Institute of Technology**

Launching from India within a year from now (mid-2024), the NASA-ISRO Synthetic Aperture Radar (NISAR) satellite mission will observe Earth's land and ice-covered surfaces globally with 12-day regularity from two viewing geometries, thus sampling much of the Earth on average every 6 days. NISAR's unique measurements will provide information about biomass, natural hazards, sea level rise, and groundwater, and will support a host of other applications.

This lecture will provide an overview of the measurements NISAR will enable, with particular focus on the exquisite measurements of ground movement and examples of how we use these measurements to study earthquakes, aquifers, glaciers, and devastation associated with natural disasters.



for more
information go to
kiss.caltech.edu

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