The Keck Institute for Space Studies presents the following lecture:

Watching the Earth Breathe from the International Space Station

Dr. Annmarie Eldering
OCO-3 Project Scientist, JPL

Wednesday, June 26, 2019
4:30 PM Refreshments
5:00 PM Lecture
Sharp Lecture Hall
Arms Building
California Institute of Technology

In May 2019, the Orbiting Carbon Observatory-3 (OCO-3) was installed on the International Space Station (ISS). A follow-on to the still-active OCO-2 mission, OCO-3 will bring not only a new vantage point but new techniques and new technologies to NASA’s carbon dioxide observations.

OCO-3 will demonstrate a new technique to measure urban carbon emissions, volcanic eruptions and other local carbon sources from space. This scanning technique, enabled by the instrument’s ability to swivel and point rapidly, produces a tightly woven blanket of measurements over an area of about 50 by 50 miles (80 by 80 kilometers) — about the size of the Los Angeles Basin.

Dr. Annmarie Eldering, the Project Scientist for OCO-3, will share some of the latest news from OCO-3, as well as the goals for the three year measurement campaign from the ISS.

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