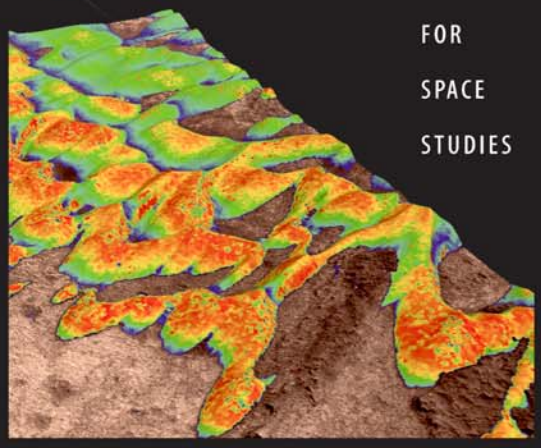
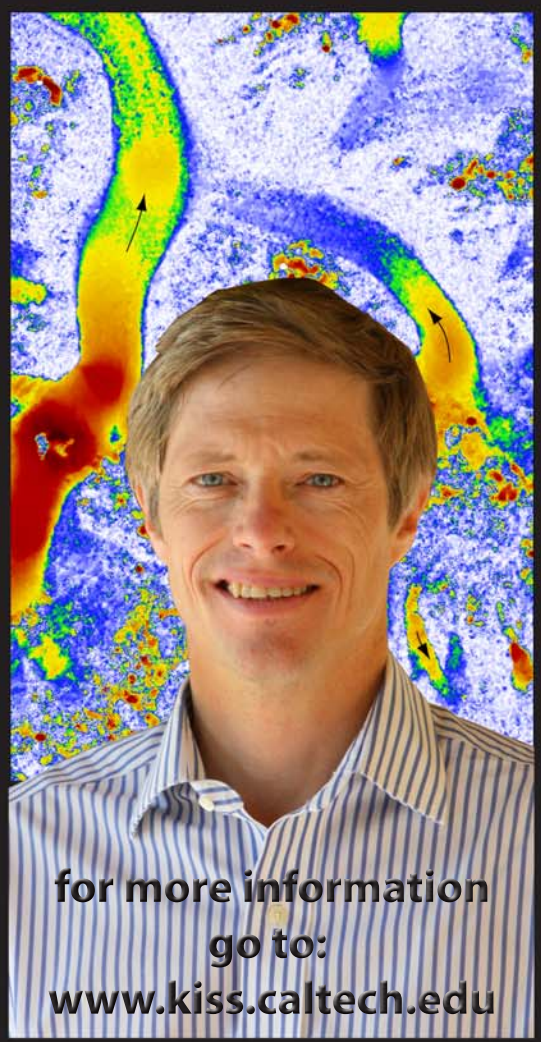
Keck INSTITUTE FOR SPACE STUDIES





for more information
go to:
www.kiss.caltech.edu

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

Optical Remote Sensing of Earth and Planetary Surfaces

Prof. Jean-Philippe Avouac

Earle C. Anthony Professor of Geology, Caltech

Tuesday, June 17, 2014

5:30 PM Lecture

Keck Center - Think Tank Auditorium
California Institute of Technology

The development of space observation techniques and of user friendly software to process and handle those observations has opened a new era in geology and planetary sciences. The first global imaging systems made it possible to scan wide areas and search for promising sites for field investigations, or to get the contextual information needed to interpret local observations. As the resolution, whether spatial or spectral, and geometric accuracy improved, it became possible to make actual measurements and eventually monitor Earth surface changes. These possibilities offered new ways to investigate the geological processes at play in the landscape evolution on Earth and other planets.

New opportunities are emerging, such as staring systems in particular, which will allow investigating processes and surface characteristics that cannot be observed with present systems. Rapid surface motions, such as from seismic waves, are one example.

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