

The Solar System's Volcanic Wonderland

A Lecture by Katherine de Kleer

Friday, December 6th, 7:00PM

Cahill Center for Astronomy and Astrophysics

California Institute of Technology

Jupiter's moon Io is covered with active volcanoes, many of them significantly more powerful than anything on Earth today. From lava lakes and lava fountains to massive umbrella plumes, Io's volcanic features span a wide spectrum of styles and give us information about this moon's interior. Telescope technologies allow us to watch volcanoes erupt on Io from telescopes on Earth, and such observations have led to recent breakthroughs in our understanding of this exotic world. This talk will present discoveries from such observations, and from spacecraft visits to Io over the past 20 years, and will discuss new mysteries that these discoveries have uncovered.

Image Credit: NASA Galileo

These are free lectures at a public level followed by guided stargazing with telescopes (weather permitting). All events are held at the Cahill Center for Astronomy and Astrophysics at Caltech. No reservations are needed. Lectures are 30 minutes, stargazing lasts 90 minutes. Stay only as long as you want.

For directions, weather updates, and more information, please visit:

<http://outreach.astro.caltech.edu>