



## **A Few Summer Highlights (2012)**

### *Special Activities*

Tour the Lunar Curatorial Facility (JSC)

Meet with the Chief Scientist for Constellation Systems,  
Dr. Wendell Mendell, (JSC)

Shuttlebration Weekend (Space Center Houston)

Transit of Venus (LPI)

Tour of Historic Apollo Mission Control & Private Viewing of *Apollo 13* movie  
(JSC)

Hand-specimen Study of Impact Melt Samples and Other Planetary Surface  
Samples (LPI)

Tour the Antarctic Meteorite Laboratory (JSC)

Observe the Lunar Electric Rover in its Test Phase (JSC)

### *Lunar Briefings and Seminars*

The Moon as a Touchstone for Solar System Science  
Dr. James W. Head, Brown University (NLSI Director's Seminar Series)

Lunar Volatiles: Sources and Resources  
Dr. Arlin Crotts, Columbia University

Tutorial for Accessing Remote Sensing Data  
Dr. Georgiana Kramer (LPI)

Impact Cratering on the Moon  
Dr. David Kring (LPI)

Lunar Magma Ocean  
Dr. Jennifer Rapp (LPI)

Lunar Heat Flow and Thermal Evolution  
Dr. Walter Kiefer (LPI)

Introduction to Apollo Mission Science Goals and Accomplishments  
Dr. David Kring (LPI)

Lunar Cataclysm Hypothesis and Implications for the Solar System  
Dr. David Kring (LPI)

Briefing on the Earth-Moon L2 Mission Concept  
Dr. David Kring (LPI)

Lunar Electric Rover and Lunar Mission Simulations  
Dr. David Kring (LPI)

Lunar Gravity  
Dr. Walter Kiefer (LPI)

### *Additional Planetary Science Seminars*

Mercury Hollows  
Dr. David Blewett, Johns Hopkins University

Central Uplift Formation in Crystalline Target Rocks: Evidence from the  
Manicouagan Impact Structure, Quebec  
Marc Biren, University of New Brunswick

Acid Sulfate Minerals in Mawrth Vallis and Related Areas on Mars  
Dr. William Farrand, Space Science Institute

The Response of Zircon to Hydrothermal Fluid Interaction and Deep Crustal  
Metamorphism Associated with Mountain Building Processes  
Dr. Timothy J. Peters, Vanderbilt University

Planetary Dynamos  
Dr. John Shebalin (JSC)

Meteorites: Weirdos from Outer Space  
Dr. Allan Treiman (LPI)

Solar System Chronology  
Dr. Justin Simon (JSC)

The Link Between Petrology and Remote Sensing  
Dr. Georgiana Kramer (LPI)

Crater Morphology  
Dr. Buck Sharpton (LPI)

Dawn at Vesta  
Dr. Paul Schenk (LPI)

Geophysics and Volcanology of Mars  
Dr. Pat McGovern (LPI)

Basic Astronautics  
Dr. Don Pettit (JSC)

Climatic and Hydrologic Evolution of Mars  
Dr. Steve Clifford (LPI)