Wednesday, March 15, 2006
MER: SPIRIT AND OPPORTUNITY I
10:30 a.m. Crystal Ballroom A

Chairs: J. R. Johnson
T. D. Glotch

10:30 a.m. Bell J. F. III* Arneson H. M. Dean E. C. Farrand W. H. Herkenhoff K. Johnson M. J. Johnson J. R. Joseph J. Kinch K. M. Lemmon M. T. McCartney E. Proton J. Savransky D. Soderblom J. Sohl-Dickstein J. N. Sullivan R. J. Wolff M. J. Athena Science Team
A Martian Year of High Resolution Multispectral Imaging from the Pancam Instruments on the Mars Exploration Rovers Spirit and Opportunity **[#1747]**
This presentation summarizes the last Earth year of Mars Exploration Rover Pancam multispectral imaging observations and results from Gusev crater and Meridiani Planum.

10:45 a.m. Herkenhoff K. * Squyres S. Arvidson R. Bell J. III Cabrol N. Chapman M. Ehlmann B. Franklin B. Gaddis L. Geissler P. Greeley R. Grotzinger J. Johnson J. Jolliff B. Keszthelyi L. Knoll A. Lanagan P. Lee E. Maki J. McLennan S. Ming D. Mullins K. Rice J. Richter L. Sims M. Soderblom L. Spanovich N. Springer R. Sucharski R. Sullivan R. Weitz C. Athena Science Team
Overview of Athena Microscopic Imager Results **[#1816]**
Recent observations by the Microscopic Imagers on the Mars Exploration Rovers will be presented.

11:00 a.m. Lemmon M. T. * Athena Science Team
Mars Exploration Rover Atmospheric Imaging: Dust Storms, Dust Devils, Dust Everywhere **[#2181]**
The Spirit and Opportunity rovers have been used for a campaign to study dust in Mars' atmosphere via imaging. Results include the record of dust optical depth including dust storms, the time frame when dust devils were commonly observed, and constraints on the vertical extent of the dust.

11:15 a.m. Morris R. V. Klingelhoefer G. * Ming D. W. Schroeder C. Rodionov D. Yen A. Gellert R. Athena Science Team
Fe-bearing Phases Identified by the Mössbauer Spectrometers on the Mars Exploration Rovers: An Overview **[#2087]**
The Mössbauer spectrometers on the Mars Exploration Rovers have identified 15 Fe-bearing phases, including jarosite and goethite, which are marker minerals for aqueous processes because they contain structural hydroxide anions.

11:30 a.m. Greenwood J. P. * Blake R. E.
Phosphorus Geochemistry of Martian Rocks and Soils: Evidence for Acidic Weathering at Gusev and Meridiani **[#2196]**
Phosphorus correlations with sulfur in martian soils and sulfur-rich rocks are indicative of acidic weathering.