Tuesday, November 4, 2014
PLENARY SESSION I
9:30 a.m. / Building 34 -Conference Room W150

9:30 a.m. *Welcome and Information*
Brook Lakew, Associate Director for Planning, Research and Development

9:35 a.m. *Opening Address*
Colleen Hartman, Deputy Director for Science, operations and Program Performance
Christopher Scolese, Director, NASA Goddard Space Flight Center

Tuesday, November 4, 2014
REVIEWS OF INSTRUMENTS ON PAST MISSIONS
10:00 a.m. / Building 34 -Conference Room W150

Chairs: **S. Feldman, (*JPL)***
B. Lakew *(GSFC)*

10:00 a.m. Mather J. C. *
Planets, Asteroids, Comets, Satellites, and KBO's: How You Can Use the JWST **[#1015]**
The James Webb Space Telescope (JWST) is planned for launch in 2018. Its four instruments will provide cameras and spectrometers over the full range from 0.6 to 28.5 μm, with coronagraphs and capabilities to observe transiting exoplanets.

10:30 a.m. Zuber Maria T. Smith David E. *
Gravity Recovery and Interior Laboratory: From Satellite-to-Satellite Ranging to High-Resolution Gravity of the Moon **[#1121]**
The GRAIL Discovery mission provided a high accuracy, high resolution gravity field of the Moon which is providing new insight into the lunar crust and interior.

10:50 a.m. Yingst R. A. * Edgett K. S. Kennedy M. R. Minitti M. E. Ravine M. A.
Cameras on Landed Payload Robotic Arms — MAHLI on Mars and Lessons Learned from One Mars Year of Operations. **[#1031]**
The MSL MAHLI has proven to be robust, efficient in operation, and flexible in the images and derivative products it yields. We present an overview of the MAHLI investigation Primary Mission activities and results, and key lessons learned thus far.

11:05 a.m. Yanamandra-Fisher P. A. *
Polarimetric Methods and Instrumentation for Solar System Exploration **[#1048]**
Polarization is a complementary technique to imaging and spectrosocpy for remote sensing measurements of the solar system and beyond. My talk will highlight inclusion of polarization as a technique in future mission and ground-based instrumentation.

11:20 a.m. Fedorov A. * Barabash S. Lundin R.
Mars Express ion mass spectrometer for Mars plasma environment. The lessons of the instrument design and data analysis **[#1146]**
Looking forward to MAVEN data in the near future, we asking ourselves what did we obtain and what did we miss with Mars Express plasma data regarding the phenomenon of the martian induced magnetosphere and the martian ionosphere escape.

11:35 a.m. Nixon C. A. * Chan C. Y. Albright S. Gorius N. Brasunas J. et al.
The Cassini Composite Infrared Spectrometer (CIRS): lessons learned in design and operations **[#1144]**
In this paper we discuss the various types of electrical noises that arise in the Cassini CIRS instrument, as well as the prevention and mitigation strategies that the team has developed to eliminate or minimize the effects.

11:50 a.m. **LUNCH BREAK**