

Thursday, March 10, 2011
POSTER SESSION II: MOON: MISSIONS AND SAMPLES
6:00 p.m. Town Center Exhibit Area

Su X. L. Huang Q. Ping J. Yan J.

[*The Improved Topographic Model from Chang'E-1 Mission*](#) [#1077]

Using the precise orbit data based on new developed lunar gravity field model, and considering the drifts of time tag existing in the laser altimeter measurements of Chang'e-1 lunar mission, a new topographic model CLTM-s03 has been developed.

Zheng Y.-C. Chan K. L. Tsang K. T. Zhang F. Zou Y. L. Ouyang Z. Y.

[*The First Microwave Image of the Complete Moon from Chang'E-1 Lunar Orbiter*](#) [#1352]

The first microwave image of the complete Moon from China's CE-1 MRM is presented. These new results are incomparable to any groundbased observation in spatial resolution and temperature sensitivity, and could be unsurpassed in the near future.

Ping J. Su X. Huang Q. Yan J.

[*New Selenodetic Results In Chang'E-1 Mission*](#) [#1036]

Chang'E-1 topography and gravity recovery lunar mascon basins.

Vondrak R. R. Keller J. W. Chin G. Garvin J. Rice J. Petro N. Mesarch M.

[*The Lunar Reconnaissance Orbiter: Plans for the Science Phase*](#) [#2065]

Plans for the Lunar Reconnaissance Orbiter extended mission are discussed, including mission objectives, orbit options, and operational strategies.

Mest S. C. Bleacher J. E. Petro N. E. Yingst R. A.

[*Scientific Characterization of Lunar Regions of Interest*](#) [#2508]

This abstract describes newly funded work to characterize lunar regions of interest using several datasets (e.g., LRO, Chandrayaan-1, Kaguya, Clementine, and Apollo), and evaluate their scientific "value" through hypothetical traverse development.

Thom N. E.

[*Revision of Mass and Power Estimates for the Reduction of Lunar Ilmenite*](#) [#1528]

Previous large-scale studies on the reduction of lunar ilmenite with hydrogen have been compared, and their estimated mass and energy needs updated.