Wednesday, June 10, 2015
ONLINE DATA ACCESS, TOOLS, AND SERVICES FOR PLANETARY SCIENTISTS
1:20 p.m. Humphreys

Chair: Daniel Crichton

1:20 p.m. Law E. * JPL Luna Mapping & Modeling Project Team
Lunar and Vesta Web Portals **[#7018]**
The Lunar Mapping and Modeling Project offers Lunar Mapping and Modeling Portal (http://lmmp.nasa.gov) and Vesta Trek Portal (http://vestatrek.jpl.nasa.gov) providing interactive visualization and analysis tools to enable users to access mapped Lunar and Vesta data products.

1:40 p.m. Schaefer E. I. * McEwen A. S.
How Long is that Polygon?: A Centerline Algorithm **[#7047]**
We describe a new, fast algorithm to autonomously find the linear representation ("centerline") of an arbitrary polygon so that its length and width can be calculated objectively.

2:00 p.m. Edwards C. S. * Anwar S. Hagee W. Doerres D. Dickensheid S. Christensen P. R.
Processing and Visualizing Planetary Data Using DaVinci: Updates for Portability and Scriptable Execution **[#7032]**
We present updates to the DaVinci software toolkit that enable stand-alone reading of ISIS3 files, a link between DaVinci and JMARS, the ingestion and use of geospatial information, and a series of executable THEMIS processing scripts.

2:20 p.m. Dickenshied S. * Anwar S. Noss D. Hagee W. Carter S.
JMARS — Easy Visualization and Analysis of Planetary Remote Sensing Data **[#7013]**
JMARS (Java Mission-planning and Analysis for Remote Sensing) is a free planetary GIS tool for quickly finding and working with planetary data from Mars, the Moon, Mercury, outer planet satellites, or recent asteroid missions.

2:40 p.m. Penteado P. * Trilling D.
Titanbrowse: Using a new Paradigm for Access to Hyperspectral Data **[#7044]**
Hyperspectral planetary data demand more elaborate tools than those usually available, to evaluate complex functions of geometrical and spectral data, with integrated visualization. We present one such database, exploration and visualization system.

3:00 p.m. BREAK