

**Monday, June 8, 2015**  
**PLANETARY MISSION DATA ARCHIVES, TOOLS, AND SERVICES I**  
**3:20 p.m. Humphreys**

**Chairs:** **Edward Guinness**

- 3:20 p.m. Deen R. G. \* Calef F. J. Parker T. J. Gengl H. E.  
[Localization of MSL and MER: Methods and Data](#) [#7064]  
Methods of localization for MER and MSL will be presented, along with the database used to store the results and how the data is presented in PDS.
- 3:40 p.m. Roatsch Th. \* Kersten E. Matz K.-D. Preusker F. Scholten F. Elgner S. Schroeder S. E. Jaumann R. Raymond C. A. Russell C. T.  
[PDS Archive of Dawn Framing Camera Vesta Global Mosaics](#) [#7007]  
The Dawn mission mapped the surface of the asteroid 4 Vesta over a period of nearly ten months at altitudes below ~700 km. Global mosaics created from the High and Low Altitude Mapping Orbit (HAMO and LAMO) have been generated and archived with PDS.
- 4:00 p.m. Johnson C. A. \*  
[Computer Vision and Automated Boulder Counting on the Asteroid Bennu](#) [#7024]  
An exploration of computer vision techniques that can be used to automatically identify and analyze asteroid surface boulders.
- 4:20 p.m. Wagstaff K. L. \* Doran G. B. Jr. Kiran R. Mandrake L. Schorghofer N. Stanboli A.  
[Landmark Classification and Content-Based Search for Mars Orbital Imagery](#) [#7058]  
We created a system to identify visually salient landmarks in Mars orbital images and classify the landmarks to provide meta-data that enables "smart search" of image contents in large PDS archives.
- 4:40 p.m. McAuliffe J. P. \* Martinez S. Ortiz de Landaluce I.  
[Interactive Webmap-Based Science-Planning for BepiColombo](#) [#7014]  
This paper presents planned webmap-based interface to the BepiColombo Science Planning System. The interface will allow teams to define observation targets and specify operations per observation. It will rely heavily on GIS technologies.