

Tuesday, June 9, 2015

## SOFTWARE AND TOOLS FOR PLANETARY DATA ACCESS AND ANALYSIS II

1:20 p.m. Humphreys

Chair: Mitchell Gordon

- 1:20 p.m. Rose M. \* Keller R. Sarram P.  
[\*LACE: A Web-Based, Structured Editor for PDS Metadata\*](#) [#7039]  
PDS has moved to XML-based metadata, but many scientists are not familiar with XML and find its structure complicated. For these reasons, we have created LACE, an editor for PDS metadata that hides the complexity of XML from the user.
- 1:40 p.m. Johnson A. J. \* Estes N. M.  
[\*Color Contrast and Differentiation in Interactive Cartography\*](#) [#7017]  
Selecting colors for an interactive mapping interface is a complex task, as the basemap may contain any number of colors, and changes with panning and zooming. Both algorithmic and historically significant color sets were examined for efficacy.
- 2:00 p.m. Shaya E. S. \*  
[\*Read and Browse Tools for PDS4 Data for IDL Users\*](#) [#7063]  
SBN has IDL tools to read PDS4 data. These include read\_pds which extracts information from the PDS4 XML document and then reads all described data into an IDL structure. The browse\_pds tool lets users browse the trees of metadata and data.
- 2:20 p.m. Radulescu C. \* Levoe S. R. Algermissen S. S. Rye E. D. Hardman S. H. Hughes J. S. Cayan M. D. Sayfi E. M.  
[\*AMMOS-PDS Pipeline Service \(APPS\) — A Data Archive Pipeline for Mission Operations\*](#) [#7050]  
The AMMOS-PDS Pipeline Service (APPS) is a multi-mission science data (instrument data + label) transformation service, which connects product generation pipelines and the PDS archive, therefore streamlining the delivery of science data to the PDS.
- 2:40 p.m. Deen R. G. \* Toole N. T. Algermissen S. S.  
[\*Marsviewer: Public Release and PDS Data\*](#) [#7051]  
The Marsviewer application is now available to the general public to access and view PDS images for MER, MSL, and PHX. Additionally, a Web (JavaScript) version of MarsViewer is in development.