Chairs: Noam Izenberg  
Asmaa Boujibar

1:30 p.m. Parman S. W. *  Parmentier E. M.  Wang S.  
**Crystallization of Mercury’s Sulfur-Rich Magma Ocean** [#2990]  
Solidification of Mercury’s sulfide-rich magma ocean may have produced a buoyant sulfide primary crust. This would have slowed cooling of the planet.

**The Origin of Mercury’s Surface Composition, an Experimental Investigation** [#2925]  
Mercury’s surface / High pressure experiments / Polybaric melts.

2:00 p.m. Lawrence D. J. *  Peplowski P. N.  Beck A. W.  Feldman W. C.  Frank E. A.  et al.  
**Compositional Terranes on Mercury Derived from Measurements of Fast Neutrons** [#1253]  
Fast-neutrons at Mercury delineate four compositional terranes, and show a unique signature at Hokusai crater, which is one of the youngest craters on Mercury.

**Diffuse Reflectance FTIR and Raman Spectroscopy of Synthetic Glasses with Mercury Surface Composition for the BepiColombo Mission** [#2136]  
We present mid-infrared spectra of synthetic glasses with chemical composition based surface areas on Mercury for the BepiColombo ESA/JAXA mission.

2:30 p.m. Trang D. *  Lucey P. G.  Izenberg N. R.  
**Mapping of Submicroscopic Carbon and Iron on Mercury with Radiative Transfer Modeling of MESSENGER VIRS Reflectance Spectra** [#1396]  
Submicroscopic carbon is necessary to successfully model the VIRS reflectance spectra. We produced submicroscopic carbon and iron abundance maps.

**Global Distribution and Spectral Properties of Low-Reflectance Material on Mercury** [#1195]  
Distinctive low-reflectance material, mostly excavated by craters, is present on Mercury. We assess the spectral properties and distribution of these exposures.

3:00 p.m. Thomas R. J. *  Hynek B. M.  Rothery D. A.  Conway S. J.  Anand M.  
**Hollows as Evidence for the Nature and Source of Mercury’s Low-Reflectance Substrates** [#1109]  
The spectral character of Mercury’s hollows indicates that the low reflectance of widespread surface units does not derive from their volatile component.