

**Tuesday, June 14, 2016**  
**MARS POTPOURRI II: LARGE-SCALE MAPPING OF**  
**LANDING SITES AND STRATIFIED UNITS**  
**10:30 a.m. Building 3 Conference Room**

**Chair: David Williams**

- 10:30 a.m. Fortezzo C. M. \* Skinner J. A. Jr.  
[High-Resolution Geologic and Stratigraphic Mapping in Olympia Cavi, Planum Boreum, Mars](#) [#7037]  
We began mapping in Olympia Cavi, Planum Boreum, Mars using MRO CTX and HiRISE scales images. Nine HiRISE DEMs provide topography for us to measure and detail the stratigraphy from three separate map areas to detail the changes in units over the areas.
- 10:45 a.m. Thomson B. J. \* Crumpler L. S. Seelos K. D. Buczkowski D. L.  
[Linking Exposed Stratigraphic Sequences Across Gale Crater: Update on an 1:60K Geologic Map of Western Aeolis Mons](#) [#7022]  
Here we present an update on our 1:60,000-scale geologic mapping of the western portion of the Aeolis Mons, the central mound in Gale crater.
- 11:00 a.m. Okubo C. H. \*  
[High-Resolution Geologic Mapping in East Candor Chasma: 2016 Status Report](#) [#7009]  
This abstract summarizes current results and planned activities from an ongoing initiative to construct a series of high-resolution structural and geologic maps in the east Candor Chasma region of Valles Marineris, Mars.
- 11:15 a.m. Skinner J. A. Jr. \* Fortezzo C. M.  
[Status of 1:24,000-Scale Geologic Mapping of Basin Strata Exposed in Central Hadriacus Cavi, Mars](#) [#7041]  
We describe a "type" cross-section of the major groups of stratified units in central Hadriacus Cavi, Mars, discuss the range of potential stratigraphic interpretations, and review how these details will translate to the final 1:24,000 scale map.
- 11:30 a.m. Calef F. J. III \* Dietrich W. E. Edgar L. Farmer J. Fraeman A. Grotzinger J. Palucis M. C. Parker T. Rice M. Rowland S. Stack K. M. Sumner D. Williams J.  
[Geologic Mapping of the Mars Science Laboratory Landing Ellipse](#) [#7040]  
The MSL project "crowd sourced" a geologic mapping effort of the nominal landing ellipse in preparation for tactical and strategic mission operations. This map was used as a strategic guide for identifying science locales during the nominal mission.
- 11:45 a.m. Crumpler L. S. \*  
[The First Field Geologic Maps on Another Planet](#) [#7035]  
Field geologic maps have been prepared from in situ ("field") observations during the traverse of Mars Exploration Rovers Spirit and Opportunity. These maps are the first tests of field geologic mapping methods at the human scale on another planet.
- 12:00 p.m. BREAK / POSTERS / LUNCH