

Thursday, May 18, 2017
AEOLIAN MORPHOLOGY: DUNES AND BEYOND
1:00 p.m. Zion Room

Chairs: Hezi Yizhaq
Shannon MacKenzie

- 1:00 p.m. Zimbelman J. R. * Foroutan M.
[Transverse Aeolian Ridges: Mars Spacecraft Data Analyses and a New Earth Analog](#) [#3037]
Curiosity rover provided the first close-up study of a martian TAR when it crossed a large aeolian bedform at Dingo Gap. Observations are similar to Rocknest, but distinct from megaripples crossed by Opportunity. New TAR analog; Lut Desert of Iran.
- 1:20 p.m. Cardenas B. T. * Kocurek G. Mohrig D.
[The Jurassic Page Sandstone: Coupling Aeolian Stratigraphic Architecture to Water Table and Sea Level Fluctuations](#) [#3050]
The stratigraphic architecture of the Jurassic Page Sandstone records signals of water table fluctuations, which were controlled by sea level fluctuations in the adjacent Carmel Sea. These methods are applicable to aeolian deposits on Mars.
- 1:40 p.m. Radebaugh J. * Bishop B. Lewis C. Nartean C. Rodriguez S. Gao X.
Christiansen E. H. Lorenz R. D.
[The Namib Sand Sea as an Analogue for the Belet Sand Sea, Titan: Winds and Dune-Forming Processes](#) [#3057]
Namib winds blow strong / Titan winds form giant dunes / Correlate we can.
- 2:00 p.m. Kerber L. *
[Controls on the Morphology of Yardangs](#) [#3022]
Yardangs are important indicators of wind erosion on planetary surfaces. This presentation outlines the variables that contribute to yardang formation in the terrestrial environment.
- 2:20 p.m. PANEL DISCUSSION
- 2:40 p.m. Break