**Tuesday, May 19, 2015**  
**BEDFORM MORPHOLOGY**  
**8:45 a.m.  Lookout Room**

*Aeolian Bedforms Observed on a Variety of Planetary Surfaces, Including Comets, Venus, Mars and Earth.*

**Chairs:** Hezi Yizhaq  
Matthew Chojnacki

*Morphology of Aeolian Bedforms on 67P/Churyumov-Gerasimenko* [#8024]

We describe and analyze various aeolian bedforms found on the comet 67P/Churyumov-Gerasimenko imaged by ROLIS and OSIRIS data.

9:15 a.m.  Kreslavsky M. A. * Bondarenko N. V.  
*Aeolian Bedforms Associated with Radar-Dark Diffuse Features on Venus* [#8035]

With few exceptions, asymmetric aeolian bedforms are absent in the central parts of extended crater-related deposits on Venus but are persistent in their peripheral parts. We discuss possible explanations of this phenomenon.

9:45 a.m.  Lorenz R. D. *  
*Heights of Fortuna-Meshknet Dunes (Al-Uzza Undae), Venus, from Magellan Radarclinometry* [#8004]

I re-examine Magellan images of Al-Uzzae, applying radarclinometric techniques used for Cassini. I find dune heights of ~40m, suggesting the dunes are not 'fully-grown' given their wavelength, perhaps due to limited sand supply.

10:15 a.m.  Geissler P. E. * Wilgus J. T.  
*Antidunes on Mars?* [#8039]

Transverse aeolian ridges (TARs) may have formed by a process different from either ripples or dunes.

*Object-Based Dune Mapping and Characterization on Mars: Data Comparison and Accuracy Assessment* [#8045]

We evaluate qualitatively and quantitatively a new methodology that enables the automated mapping and characterization of martian dune fields using CTX image mosaics.

11:15 a.m.  Tsoar H. *  
*The Puzzle of Linear Dunes on Planets* [#8005]

There are several types of linear dunes in the world's deserts where most of them are found on Mars and Titan. In my lecture I will cover what we do and do not know about these dunes.

11:45 a.m.  DISCUSSION