

**Friday, May 22, 2015**  
**RIPPLES AND LIDAR**  
**8:30 a.m. Lookout Room**

*A Short Session with a Focus on Ripples and a Concluding Discussion from the Great Sand Dunes.*

**Chairs: Serina Diniega**  
**Heather Charles**

- 8:30 a.m. Yizhaq H. \* Schmerler E. Katra I. Tsoar H. Kok J.  
[Experimental and Numerical Study of Sharp's Shadow Zone Hypothesis on Sand Ripples Spacing and Implication for Martian Sand Ripples](#) [#8012]  
 We show by wind tunnel experiments and numerical simulations that the impact angle of saltation grains decreases with wind velocity. This relationship can explain the increase in ripple wavelength with wind speed as was suggested by Sharp (1963).
- 9:00 a.m. Silvestro S. \* Vaz D. A. Popa C. Esposito F.  
[Longitudinal Aeolian Depositional Features on Mars?](#) [#8049]  
 We show evidence of potential longitudinal sand ribbon patterns and longitudinal ripples on Mars.
- 9:30 a.m. Valdez A. D. \*  
[Using Lidar Data has Helped Improve the Understanding and Interpretation of Resources at Great Sand Dunes National Park and Preserve, Colorado, U.S.A.](#) [#8026]  
 In 2011 Great Sand Dunes National Park, Colorado, was mapped using airborne lidar. The lidar dataset has been used by the National Park Service to measure resource properties and as a landform visualization tool. Examples will be presented.
- 10:00 a.m. DISCUSSION

**WORKSHOP DISCUSSION AND WRAP-UP**  
**10:15 a.m. Lookout Room**

*The Workshop Discussion and Wrap-Up Includes Identifying the Highlights from each Session. These Highlights will Become part of a Meeting Proceedings Article that will be Submitted to EOS. Future Plans will also be Discussed, such as a Special Issue.*

**Chairs: Timothy Titus**  
**Lori Fenton**

- 10:15 a.m. Session Chairs \*  
*Session Highlights*
- 10:45 a.m. *Workshop Discussion*
- 11:15 a.m. *Special Issue*
- 11:30 a.m. *Next Workshop*