

Friday, May 19, 2017
GRAINS AND SEDIMENT TRANSPORT: ENDING WITH BEGINNINGS
8:30 a.m. Zion Room

Chairs: Stephen Sutton
Rosalyn Hayward

- 8:30 a.m. Lorenz R. D. *
[*In-Situ Measurement of the Saltation Threshold of Titan's Sands with Downwash from a Rotorcraft Lander*](#) [#3043]
 Let's go do a test / Spin fans, blow sand on Titan / To get threshold speed.
- 8:50 a.m. Rodriguez S. * Le Mouélic S. Barnes J. W. Charnay B. Kok J. F. Lorenz R. D. Radebaugh J. Narteau C. Cornet T. Bourgeois O. Lucas A. Rannou P. Griffith C. A. Coustenis A. Appéré T. Hirtzig M. Sotin C. Soderblom J. M. Brown R. H. Bow J. Vixie G. Maltagliati L. Courrech du Pont S. Jauman R. Stephan K. Baines K. H. Buratti B. J. Clark R. N. Nicholson P. D.
[*Singular Activity Over Titan's Equatorial Dunefields at Equinox*](#) [#3024]
 We detect events over Titan's equatorial dune fields that might be dust storms, indicating that strong winds can blow during equinoxes and that underlying dunes can be currently active.
- 9:10 a.m. MacKenzie S. M. * Barnes J. W.
[*A New Candidate Sand Source in Titan's Equatorial Region?*](#) [#3062]
 Searching for sources / Of Titan's organic sands / Is that a playa?
- 9:30 a.m. Titus T. N. * Hayward R. K. Bogle R.
[*Grand Falls Dune Field — Sediment Flux Measurement and Analysis at a Mars Analog Site*](#) [#3008]
 A suite of instruments (sediment catchers, anemometers, and a saltation sensor) have been located at the Grand Falls Dune Field site for three years. The data from this site have been used to estimate the size of sediment flux for several events.
- 9:50 a.m. Chojnacki M. * Banks M. E. Urso A. C.
[*Global Extremes in Martian Bedform Migration and Sand Flux Rates*](#) [#3033]
 Results demonstrate substantial geographic heterogeneity in dune sediment fluxes across the planet. Geographic and temporal variations will be discussed.
- 10:10 a.m. PANEL DISCUSSION