Lunar Surface Science Virtual Workshop #3
Session on Lunar Dust and Regolith
August 20, 2020

Program and Abstracts
All times are Eastern Daylight Time (EDT) (UTC -4)

Times (EDT)	Presenters	Title
		Dust and Regolith Overview
11:05 a.m.	R. Watkins, A. Dove	Welcome and Workshop Overview
11:10 a.m.	B. Denevi	General Introduction to Lunar Regolith
11:20 a.m.	S. Lawrence	Dust and Regolith Issues Identified in ASM-SAT
		Programmatic Concerns
11:25 a.m.	J. Levine	Lunar Dust and Its Impact on Human Exploration: Identifying the Problems and Knowledge Gaps
11:35 a.m.	J. Nunez, B. Greenhagen	Dust and Regolith in the LSIC Focus Areas
11:45 a.m.	C. Fassett	Introduction to DSNE
11:50 a.m.	M. Johansen	STMD Dust Mitigation
12:00 p.m.	K. John	Dust Mitigation for Science in the Artemis Framework
12:10 p.m.		BREAK
		Blast from the Past
12:20 p.m.	J. Schmitt	Dust and the Layered Defense
12:30 p.m.	R. Creel	Dust, Dust, Everywhere, What Can We Do?
		Human Systems
12:40 p.m.	K. Laurini	Dust Concerns for Human Landing Systems — Dynetics Perspective
12:55 p.m.	A. Ross	Dust and Spacesuits
1:05 p.m.		DISCUSSION
1:20 p.m.		BREAK
		Characteristics of Dust and Regolith — Scientific Understanding
1:40 p.m.	R. Ghent	Diviner Observations of Dust/Regolith
1:50 p.m.	M. Horanyi	LDEX Observations of Lunar Dust
2:00 p.m.	E. Speyerer	Crater Production and Regolith Overturn
2:10 p.m.	D. Blewett	Lunar Swirls and Magnetic Anomalies: Venues for Study of Regolith and Dust
2:20 p.m.	J. Gillis-Davis	Space Weathering, from Equator to Pol
2:30 p.m.	R. Christoffersen	Surface Properties of Lunar Regolith Grains: Current Investigations and Questions for Future Missions
2:40 p.m.	P. Metzger	Extended Plume Effects for Landed and Orbital Assets
2:50 p.m.	J. Sanders	ISRU Excavation and Processing

Times (EDT)	Presenters	Title
Characterizing of Dust and Regolith — Proposed Instruments		
3:00 p.m.	M. Barker	Moonba: A Micro-Rover for a Targeted Investigation of Lunar Regolith
3:10 p.m.	X. Wang	*Electrostatic Dust Analyzer (EDA) for Characterizing Dust Transport on the Lunar Surface*
3:20 p.m.	M. Munk	SCALPSS
3:30 p.m.	A. Yingst	The Heimdall Camera System: Turning Eyes on the Lunar Surface
3:40 p.m.		DISCUSSION
3:55 p.m.		BREAK

Breakout discussions are limited to people who submitted an abstract, or their delegates, and selected invitees.

Times (EDT)	Presenters	Title
Breakout Discussions		
4:05 p.m.	R. Watkins, A. Dove	Overview
4:10 p.m.	A. Dove, B. Kemmerer	Breakout #1: Dust and Mitigation — “Dust Phenomena and Strategies for Mitigation”
4:10 p.m.	R. Watkins, B. Byron	Breakout #2: Regolith and Trafficability — "Regolith Characteristics and Implications for Sample Acquisition and Trafficability Strategies”
4:55 p.m.	R. Watkins, A. Dove	Report-Out and Wrap-Up
5:10 p.m.		ADJOURN