

Time	7/11/2022 VIRTUAL	7/18/2022 HYBRID	July 19 (NO LONGER LGC JUST FUN STUFF)
7:00			
7:15			
7:30			
7:45			NESF STUDENT BREAKFAST WITH SSERVI GREG SCHMIDT
8:00	Welcome from LGC		
8:15		Registration and Coffee	
8:30	Welcome from Greg Schmidt of SSERVI	LGC Welcome	
8:45			
9:00		Welcome from Greg Schmidt of SSERVI	
9:15		Benoit DesRochers: TWO-STEP SINGLE IMAGE SUPER-RESOLUTION METHOD TO ENHANCE MARTIAN REMOTE SENSING IMAGERY USING MACHINE LEARNING	
9:30		Alessandro Garzelli: Numerical modeling of electrostatic antenna signals produced by plasma expansion after hyper velocity dust impacts	
9:45	Icebreakers	Ethan Ayari: A Numerical Recipe for Producing Mass Spectra	
10:00	Bill Goode: How to acquire ground truth for the composition of Europa's young terrain features using a surface dust analyzer	Alex Doner: PolyVinylidene Fluoride (PVDF) film signal amplitude after exposure to high temperature	
10:15	Connor Hayes: Modeling the Influence of Small-Scale Topography on Surficial Temperatures at the LCROSS Impact Site	Discussion	
10:30	Dany Waller: Variegated Space Weathering Expression Classification Across the Lunar Swirl Reiner Gamma in Preparation for Lunar Vertex	Break with Coffee	
10:45	Yash Srivastava: Understanding mare basalt generation through non-KREEP samples	Session II- Geology and Planetary Sciences	
11:00	Discussion	Kristen Luchsinger: Lunar Migration of Ice in Seasonally Transient Shadow	
11:15		Nicolas Piskurich: Compositional characterization of irregular mare patches via M3 and Diviner data analyses	
11:30		Luis Santori: PHOTOMETRIC ANALYSIS OF LUNAR RECONNAISSANCE ORBITER CAMERA OBSERVATIONS OF PURE ANORTHOSITE EXPOSURES	
11:45		Ramin Lotachi: Optical Characterization of the DART Impact Plume: Importance of Realistic Ejecta Scattering Properties	
12:00		Discussion	
12:15			
12:30	Lunch w/ Breakout Rooms		
12:45			
13:00			
13:15			
13:30	Young Scientist and Engineers Panel	Lunch- Social Encouraged	
13:45		Ziyi Huang: A Maxwellian Mixture Model for Velocity Distribution of Volatiles Released by Micrometeoroid Impact	
14:00	Samuel Gagnon: The effect of space weathering on the spectral properties of lunar impact melts	David Chaparro: Impact Velocity Determination and From Mass Spectroscopy	
14:15	Deep Patel: STUDY OF EJECTA OF ERASTOTHENIAN AGED CRATER EUDOXUS FROM REMOTE SENSING TECHNIQUES	Rebecca Mikula: Analysis of Polycyclic Aromatic Hydrocarbon Impact Ionization Mass Spectra and the Application to Future Missions	
14:30	Ashish Devaraj: A catalogue of lunar X-ray Fluorescence observations by Chandrayaan-2	Break with Coffee	
14:45		Autumn Shackelford: Morphologic and Spectral Characterization of Regolith Breakdown Due to Water Ice	
15:00	Discussion	Karlis Slumba: PERMANENTLY SHADOWED REGION (PSR) ICY REGOLITH SIMULANT	
15:15	Closing Remarks	Caleb Grima: Far-Ultraviolet Photometric Characteristics of JSC-1A and LMS-1 Lunar Regolith Simulants: Comparative Investigations with Apollo 10084	
15:30		Discussion	
15:45		Closing Remarks	
16:00	Social in GatherTown		
16:15			
16:30			
16:45		LGC Sanctioned Social Event	
17:00			
17:15			
17:30			
17:45			
18:00			
18:15		SSERVI NESF WELCOME SOCIAL	
18:30			