

POSTER PRESENTATIONS		
Poster #	Future Missions of Science and Exploration	Author
1	Probing the Lunar Atmosphere: Prototype of the Lunar Atmosphere Monitoring Station	Belov
2	Mothership for Nanosatellites to Near Earth Asteroids, Moon and Mars	DiCorcia
3	MoonRIDERS: Planning for a 2016 Hawaii High School Dust Mitigation Experiment on the Surface of the Moon	Bishop
4	Asteroid Resource Extraction Models Utilizing Efficiency-Discounted Exponential Growth (EDEG) Approach	Ciotola
5	Challenges of Rover Navigation at the Lunar Poles	Deans
6	Selection and Characterization of Landing Sites for the Upcoming Russian Robotic Missions to the Moon	Head
7	FINESSE: Field Investigations to Enable Solar System Science and Exploration	Heldmann
8	Asteroid Deflection By Subsurface Blasting	Veerkamp
9	Design and Development of the Telerobotic Simulation System (TSS) for Remote Control of Teleoperated Rovers on the Moon	Womack
10	Testing Remote Control of Teleoperated Rovers using Telerobotic Simulation System (TSS)	Marx
11	Anti-flu peptide remedy for space exploration	Rivera
12	Photobioreactors for microalgae Spirulina platensis for the reduction of Co2 in the atmosphere and their subsequent application	Albarracin
13	Planetary Basalt Construction - Robotically-building a Basalt Landing Pad	Kelso
SHAPING PLANETARY SURFACES WITH IMPACTS AND VOLCANIC PROCESSES		
14	Geology of Lunar Cold Spot Craters	Plescia
15	Constraints on the Depth of Origin of Peak Rings on the Moon	Baker
16	Lunar non-mare volcanism: Topographic configuration, morphology, ages, and internal structure of the Gruithuisen domes.	Head
17	Dating of shocked rocks on planetary bodies: Insight from the Manicouagan Impact Structure, Canada.	Jaret
18	PRIME: An experiment campaign simulating low-velocity impact processes in low-gravity conditions	Dove
19	In Situ Measurements of Ferric iron in Silicate Glasses using Fe-XAS: First Results from Lunar Glasses	Dyar
20	Impact Peak-ring Formation: Insights from the Moon's Schrodinger Basin and Application to the Earth's Chicxulub Crater	Kring
ORIGIN, EVOLUTION, AND EXPLORATION OF PLANETARY CRUSTS		
21	Exploring the Moon's surface for remnants of the lunar mantle 2. Dunite clasts & individual high-Mg# olivines in lunar breccias	Shearer
22	Synthesis of Iron Bearing Anorthitic Plagioclase as a Spectroscopic Analog to the Lunar Ferroan Anorthosites	DiFrancesco
23	Significant comparison of two tectonic triads: terrestrial Pacific Ocean - Malay Archipelago - Indian Ocean and lunar Procellarum	Kochemasov
INTERACTIONS BETWEEN SPACE AND PLANETARY SURFACES		
24	Hidden in the Neutrons: Physical Evidence for Lunar True Polar Wander	Keane
25	Investigating Diurnal Variation in Mapped Lunar Neutron Emission Flux	Livengood
26	Exploring Weaker Lunar Magnetic Anomalies and Lesser-known Swirls with LRO Data	Blewett
27	Exospheres from Asteroids to Planets	Burger
28	Apollo-era Magnetic Field Data for Sounding the Lunar Interior	Chi
29	Isolating Electromagnetic Induction from the Lunar Interior measured with ARTEMIS	Fuqua
30	Irradiation Effects on the Adsorption Properties of Silicate Minerals	McLain
31	On the Creation of Complex Organic Molecules through Micrometeoroid Bombardment in the Laboratory	Munsat
32	Apollo ALSEP/SIDE Ion Observations During Periods of Intense Ion Cyclotron Wave Activity Observed by the Apollo LSM	Newheart
33	Particle Size Effects on Minerals Under Simulated Lunar Environment	Shirley
34	The MERLIN Phobos Ionizing Radiation Experiment (MPIRE)	Smith
35	Impact of Meteoroid Streams on the Lunar Environment: Results from LADEE	Stubbs
36	Laboratory Micrometeoroid/Dust Ablation Studies	Thomas
37	Fine Particle Charging Rate Limit Modification to Grain Dynamics in Abrupt and Gradual Inhomogeneities	Walker

38	Lunar Albedo Proton Anomalies	Wilson
39	Micro-magnetosphere formation on the Moon	Zimmerman
40	Neutron Spectrometer Prospecting in the Mojave Volatiles Project Analog Field Test	Elphic
41	Survival times of meter-sized rock boulders on the surface of airless bodies.	Head
42	Characterization of collisions between SiO ₂ dust aggregates in microgravity	Whizin
VOLATILE BEHAVIOR, RESERVOIRS, AND RESOURCES ON AIRLESS BODIES		
43	Peroxy in Lunar Rocks and Regolith: Memory of a Wet Past	Freund
44	Quantifying the Lunar Hydrogen Cycle	Collier
45	Lunar Polar Hydrogen: Studies in 2D and 3D	Disher
46	Temperature Programmed Desorption Studies of Water Chemisorption Interactions with Apollo Lunar Samples	Hibbitts
47	REMOTE OBSERVATIONS OF THE LUNAR SODIUM CORONA	KILLEN
48	Integrating Crystal Chemistry with Laboratory Analysis to Model Bound and Adsorbed OH- and H ₂ O	Klima
49	Experimental Assessment of Volatiles Recovery from Carbonaceous Chondrite Materials	Gertsch
50	Ice Cube: Determining Volatile Systematics Via Lunar Orbiting Cubesat	Clark
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51	Investigating the Nature of S-Complex NEA Surfaces: The Case of 1627 Ivar	Crowell
52	The Significance of the Hale-Bopp comet to Cometary Science	Gill
53	SHERMAN: A Shape-based Thermophysical Model for Near-Earth Asteroids	Howell
54	New Capabilities of NASA GSFC's GEODYN for Asteroid Exploration	Mazarico
55	NEA Characterization: Sensitivity to Solar Phase Angle	Wooden
56	Low-Temperature Thermal Conductivity and Heat Capacity Measurements of Ordinary and Carbonaceous Chondrites	Opeil
57	A theoretical investigation of bistatic lunar radar scattering A New Lunar Digital Elevation Model From the Lunar Orbiter Laser Altimeter and SELENE Terrain Camera	Zimmerman Neumann
58	Human Exploration Goals and Objectives for Phobos	Ramsley
59	Mineral Standards for Planetary Science Investigations	Byrne
60	Synthesis of pigeonites for spectroscopic studies	Sinclair
61	Creating a spectral library for the optimization of mixture modelling	Sklute
62	Spatial and Spectral investigation of Murchison with synchrotron-based Three-Dimensional Micro-tomography.	Yesiltas
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64	Mid-IR Optical Constants of Triclinic Minerals: A Case Study Using Labradorite	Rucks
65	Topography of collapsed lava pits on Kilauea volcano, Hawaii: Terrestrial analogs for lunar pits and lessons for exploration	Garry
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66	Dynamic Response of Environments at Asteroids, the Moon and moons of Mars (DREAM2) Education Efforts	Bleacher
67	RIS4E Science Journalism Content	Firstman
68	FINESSE Education and Public Outreach	Jones
69	RIS4E Education and Public Outreach	Jones
70	Bayeux Tapestry and Halley's Comet	Mardon
71	Graduate Students for Education and Outreach (GEO)	Rucks
72	MAKING CONNECTIONS: STEM + ART + ELA = ENGAGED STUDENTS	Runyon
73	Training the Next Generation of Science Journalists through RIS4E	Selvin
74	Hypothesizing the Existence of Zhuque Family in the 5:2 Kirkwood Gap	Shaner
75	DIY Moon Base	Shaner
76	Volcanoes on the Mare and on the Highlands	Shaner
77	Hydrogen, its Possible Forms, Abundance and Probable Locations of Occurrence on the Moon	Shaner
78	Lunar Data Project / Lunar Data Node Apollo Data Restoration Update	Williams