Monday, November 16, 2009
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POSTER SESSIONS
5:30 p.m. Berkners

Abubakar B.
The Position of the Moon, Sun, Stars and Space Sciences in Africa: Opportunities and Potentials **[#2006]**

Chahal R. Mardon A. A.
Some Mental Health Problems and Long Term Manned Space Missions **[#2048]**

Clark P. E. Millar P. S. Yeh P. S. Cooper L. Beaman B. Feng S. Ku J. Young E. Johnson M. A.
Technologically Optimized Instrument Packages for Lunar Surface Science **[#2016]**

Cohanim B. Joyce M. Mosher T. Tuohy S. Cunio P.
Taking the Next Giant Leap **[#2068]**

Colaprete A. Briggs G. Ennico K. Wooden D. Heldmann J. Sollitt L. Asphaug E. Korycansky D. Schultz P. Christensen A. Galal K. Bart G. D. LCROSS Team
An Overview of the Lunar Crater Observation and Sensing Satellite (LCROSS) Mission Results from Swing-by and Impact **[#2064]**

Criswell D. R.
Enabling Growing CIS-Lunar and Lunar Enterprises **[#2070]**

Crosby K. M. Fritz I. Kreppel S. Martin E. Pennington C. Frye B. Agui J.
Scaling Relations for Repose Angles of Lunar Mare Simulants **[#2009]**

Crotts A. P. S. Hummels C.
Lunar Outgassing Interactions with the Regolith **[#2021]**

Daga A. W. Allen C. Battler M. M. Burke J. D. Crawford I. A. Léveillé R. J. Simon S. B. Tan L. T.
Lunar and Martian Lava Tube Exploration as Part of an Overall Scientific Survey **[#2065]**

Drever M. Shelfer T. Gaza R. Deighton K. Posey J.
An Investigation into Using Additive Manufacturing Techniques for Constructing Structures Using Indiginous Lunar Materials **[#2061]**

Espinasse S. Carpenter J. D. Fisackerly R. Gardini B. Houdou B. Di Pippo S. Pradier A.
Preparations For ESA's First Lunar Lander **[#2033]**

Evans C. A. Calaway M. J. Bell M. S.
GeoLab 2010: Desert RATS Field Demonstration **[#2023]**

Gaza R. Cooper T. P. Hanzo A. Hussein H. Jarvis K. S. Kimble R. Lee K. T. Patel C. Reddell B. D. Stoffle N. Zapp E. N. Shelfer T. D.
Analytic Shielding Optimization to Reduce Crew Exposure to Ionizing Radiation Inside Space Vehicles **[#2050]**

Gibson E. K. Pillinger C. T. Waugh L. Wright I. P. Sims M. R. McKay D. S. Richter L.
Lunar Beagle: The Scientific Package for Answering Important Questions about Lunar Water and Polar Volatiles. **[#2020]**

Glover T. W. Ilin A. V. Wilks R. Vondra R.
A Combined Chemical-Electric Propulsion Architecture for Lunar and Planetary Exploration **[#2028]**

Gordon M. Phonharath L. Slavin G. J. Tramaglini J. K.
A Young Professional's Perspective on the Human Workforce Gap in the Space Industry **[#2055]**

Kawamoto H.
Electrostatic and Electromagnetic Cleaning of Lunar Dust Adhered to Spacesuits **[#2005]**

Kawamoto H. Miwa T.
Mitigation of Lunar Dust Adhered to Mechanical Parts of Equipments Used for Lunar Exploration **[#2004]**

Kelso R. Pittman B.
NASA Orphan Equipment List for Lunar Science **[#2037]**

Kelso R. Sanders G. Sacksteder K. Pittman B.
Commercial ISRU Flight Demonstrator — MINER **[#2038]**

Kelso R. Sanders G. Sacksteder K. Pittman B.
Low-Cost Commercial ISRU Flight Demonstrator — MINER **[#2039]**

Lazio J. Carilli C. Hewitt J. Furlanetto S. Burns J.
The Lunar Radio Array **[#2049]**

Litvak M. L. Mitrofanov I. G. Sanin A. B. Tretyakov V. I. Kozyrev A. S. Malakhov A. V.
Mokrousov M. I. Vostrukhin A. A. Golovin D. V. Varenikov A. B. Shvecov V. N.
Boynton W. V. Harshman K. Sagdeev R. Z. Milikh G. Chin G. Trombka J.
Mcclanahan T. Starr R. Evans L. Shevchenko V.
Neutron Radiation Environment Around the Moon from Lunar Exploration Neutron Detector Onboard LRO **[#2052]**

Lofgren G. E. Hörz F. Bell M. S. Cohen B. A. Eppler D. B. Evans C. A. Gruener J. E. Hodges K. V.
Hurtado J. M. Hynek B. M. Kring D. A. Lee P. Ming D. W. Rice J. W.
Science Support Room Operations During Desert RATS 2009 **[#2031]**

Mardon A. A.
Distance Learning and Long Duration Lunar Missions Assisting Mental Health of Astronauts **[#2056]**

Mardon A. A.
Use of Lunar Lava Tubes as Habitation Structures on the Moon **[#2057]**

Miki T. Aoki S. Morimoto Y. Tanaka K. Shimada K. Mukai C.
Human Risk Assessment for In-Situ Lunar Dust Measurement **[#2024]**

Mitrofanov I. G.
Mapping of Hydrogen Over the Lunar Surface: LEND Instrument Onboard LRO **[#2051]**

Miura Yas
Lunar Crust Components from Planets at the Giant Impact Event **[#2043]**

Nagihara S. Clark P. E. Milam M. B. Beaman B. G. Ku J.
Models for Lunar Subsurface Heat Storages for Supporting Surface Science Instruments **[#2017]**

Neumann G. A. Smith D. E. Zuber M. T. Mazarico E. Torrence M. H.
Cavanaugh J. F. LOLA Science Team
Meter-Scale Roughness on the Moon from Lunar Orbiter Laser Altimeter (LOLA) Pulse Spreading: Implications for Exploration **[#2047]**

Nozette S. Bussey D. B. J. Butler B. J. Carl D. Carter L. M. Chakraborty M. Gillis-Davis J. J.
Goswami J. N. Heggy E. Hillyard M. Jensen R. Kirk R. L. LaVallee D. McKerracher P. Neish C. D.
Nylund S. Palsetia M. Patterson W. Robinson M. S. Raney R. K. Schultze R. Sequeira H. Skura J.
Spudis P. D. Thompson T. W. Thomson B. J. Ustinov E. A. Winters H. L.
The LRO Mini RF Technology Demonstration **[#2067]**

O'Brien B. J. Gaier J. R.
Indicative Basic Issues About Lunar Dust in the Lunar Environment **[#2054]**

Petro N. Bleacher L. Bleacher J. Noble S. Cahill K. R. S. Fagan A. Mader M. Shankar B.
Towards a Sustainable Lunar Science Community: Developing the Next Generations of Lunar Scientists and Engineers **[#2041]**

Pettinari A. Saturni A. Rossettini L.
Development of a Simulation Tool for the Propulsion Subsystem of ESMO Lunar Mission **[#2026]**

Rask J. C. Tranfield E. McCrossin C. G. Loftus D. J.
LunaChem: An Instrument to Enable Sustained Human Lunar Exploration **[#2062]**

Richards R. D.
Odyssey Moon "M-1" Mission of Opportunity — Enabling Science, Exploration and Commerce **[#2046]**

Smith D. E. Zuber M. T. Neumann G. A. Mazarico E.
Our Knowledge of Locations on the Lunar Surface and in Orbit after 4 Months of LRO **[#2025]**

Sridhar J.
An Experimental Study of Astrobiology for Sustainable Development and Settlement on the Lunar Surface **[#2012]**

Tanosaki T. Miura Yas.
Lunar Cement Construction with Surface and Underground Rooms Based on Carbon Circulation System **[#2044]**

Taylor T. C.
Habitation Logistics Transportation Support for Lunar Commercial Resource Recovery **[#2007]**

ten Kate I. L. Glavin D. P. Cardiff E. H.
The VAPoR Field Unit and Future Field Testing **[#2035]**

Varga T. P. Szilágyi I. Bérczi Sz. Varga T. N. Boldoghy B. Kummert J. Hudoba G. Jr.
ISRU Based Building Concept for Producing Multifunctional Lunar Buildings **[#2018]**

Zacny K. Mueller R. Craft J. Wilson J. Chu P.
Percussive Digging Approach to Lunar Excavation and Mining **[#2010]**

Zacny K. Mumm E. Kumar N. Smrekar S. Nagihara S. Morgan P. Taylor P. Milam B.
Novel Methods of Heat Flow Deployment for the International Lunar Network Mission **[#2015]**

Zacny K. Paulsen G. Craft J. Wilson J. Maksymuk M.
3.5m Vacuum Chamber Facilities Enabling Full Scale Digging, Drilling and Penetrometer Tests **[#2011]**

Zhou G. Mardon A. A.
Space Mineral Resource Utilization **[#2001]**

Zimmerman R. R.
Are Living Systems the Key to Sustainable Lunar Exploration? **[#2045]**