

Agenda

October 9, 2015

INTRODUCTION:		
<i>Chairman: Ji WU, NSSC, NAS</i>		
Time	Subject	Contributor
09:00-09:10	Opening Comments	Ji WU, NSSC, CAS, China
09:10-09:20	Opening Comments	Michael MOLONEY, NAS, USA
09:20-09:40	Comparative Planetary Aeronomy—from the Evolution of Solar Planets to Exoplanet Habitability	Feng TIAN, Tsinghua University, China
09:40-09:50	Discussion	
09:50-10:10	Application of Thermal Emission Spectroscopy to the Study of Earth, Mars, Asteroids and Europa	Phil CHRISTENSEN, Arizona State University, USA
10:10-10:20	Discussion	
10:20-10:40	Constraint on the Density Near Core-mantle Boundary by Free Core Nutation	Chengli HUANG, SHAO, CAS, China
10:40-10:50	Discussion	
10:50-11:20	<i>Group Photo and Coffee Break</i>	
SESSION I: Planetary Bodies in the Solar System		
<i>Chairman: Feng TIAN, Tsinghua University, China</i>		
11:20-11:40	Sustaining Cryovolcanic Eruptions on Enceladus	Edwin KITE, University of Chicago, USA
11:40-11:50	Discussion	
11:50-12:10	Chlorides Predated Clay in a Lacustrine Environment on Mars and its Astrobiology Application	Jun HUANG, CUG, China
12:10-12:20	Discussion	
12:20-14:00	<i>Lunch</i>	
14:00-14:20	Asteroid Missions For Science, Planetary Defense, and Human Exploration	Michael BUSCH, SETI Institute, USA
14:20-14:30	Discussion	
14:30-14:50	Mars Balloon—A New Method for Martian Environment Exploration	Jindong WANG, NSSC, CAS, China
14:50-15:00	Discussion	

15:00-15:20	The Role of Iron Oxides in Deciphering the History and Habitability of Gale Crater	Abigail FRAEMAN, California Institute of Technology, USA
15:20-15:30	Discussion	
15:30-15:50	Analysis of Geomorphology and Structural Background of CE-3 Landing Site	Han LI, NAOC, China
15:50-16:00	Discussion	
16:00-16:20	<i>Coffee Break</i>	
SESSION I: Planetary Bodies in the Solar System		
Chairman: Philip CHRISTENSEN, Arizona State University, USA		
16:20-16:40	Examining the Exobase Approximation: Suprathermals in Titan's Upper Atmosphere	Orenthal J. TUCKER, University of Michigan, USA
16:40-16:50	Discussion	
16:50-17:10	U-Pb Dating of Zircons and Phosphate in Lunar Meteorite Dhofar 1442	Qin ZHOU, NAOC, China
17:10-17:20	Discussion	
17:20-17:40	Imaging Spectroscopy of Mars-Analog Materials: Implications for Ancient Mars and Planetary Exploration	Rebecca GREENBERGER, Jet Propulsion Laboratory, USA
17:40-17:50	Discussion	
17:50-18:10	Photometric Investigation of Rocket Exhaust Effects at the Chang'e-3 Landing Site	Ryan Clegg-Watkins, Washington University in St. Louis, USA
18:10-18:20	Discussion	
18:20-20:00	<i>Formal Dinner</i>	

October 10, 2015

SESSION II: Earth Science from Space		
<i>Chairman: Jiancheng SHI, RADI, CAS</i>		
Time	Subject	Contributor
09:00-09:20	Microwave Modeling and Inversion of Snow Properties	Jiancheng SHI, RADI, CAS, China
09:20-09:30	Discussion	
09:30-09:50	Satellite Geodesy Contributions to Studies of Earth System Science	Byron TAPLEY, University of Texas, USA
09:50-10:00	Discussion	
10:00-10:20	Status and Prospect of FY Meteorological Satellite	Peng ZHANG, NSMC, China
10:20-10:30	Discussion	
10:30-10:50	<i>Coffee Break</i>	
10:50-11:10	Satellite Solar-Induced Chlorophyll Fluorescence Reveals Drought Onset Mechanisms: Insights from Two Contrasting Extreme Events	Ying SUN, University of Texas, USA
11:10-11:20	Discussion	
11:20-11:40	Global Mapping of Landscape Freeze/Thaw State from the Water Cycle Observation Mission (WCOM)	Tianjie ZHAO, RADI, CAS, China
11:40-11:50	Discussion	
11:50-14:00	<i>Lunch</i>	
SESSION II: Earth Science from Space		
<i>Chairman: Byron TAPLEY, University of Texas, USA</i>		
14:00-14:20	Terrestrial Gamma-ray Flashes from Thunderstorms – the Most Energetic Phenomenon in Earth Atmosphere	Meng SU, MIT Kavli Institute for Astrophysics and Space Research, USA
14:20-14:30	Discussion	
14:30-14:50	Geostationary Microwave Atmospheric Sounding for Tropical Cyclone Monitoring	Hao LIU, NSSC, CAS, China
14:50-15:00	Discussion	
15:00-15:20	Signals of tropical instability Waves from Space Based SSS	Xiaobin YIN, NSSC, CAS, China
15:20-15:30	Discussion	

15:30-15:50	Relativistic VLBI Time-delay Model for Finite Objects in Solar System and the Fresnel-Fizeau Effect in Geodetic VLBI	Wenbiao HAN, SHAO, CAS, China
15:50-16:00	Discussion	
16:00-16:30	General Discussion	
16:30-16:40	Conclusion	Byron Tapley, USA
16:40-16:50	Conclusion	Ji WU, NSSC, CAS