

# Agenda of CAS-NAS Forum for New Leaders in Space Science

## DAY 1: May 8, 2014

<b>INTRODUCTION:</b>		
<i>Chairman: Ji Wu, NSSC, CAS</i>		
Time	Subject	Contributor
09:00-09:10	Welcome to the Forum	Jinghua Cao/Yingjie Yu, CAS, China
09:10-09:20	Opening Comments	Charles Kennel, NAS, USA
09:20-09:50	Introduction of Space Astronomy Frontier	David Spergel, NAS, USA
09:50-10:20	Introduction of Space Physics Frontier	Chi Wang, NSSC, CAS, China
10:20-10:50	<i>Group Photo and Coffee Break</i>	
<b>SESSION I: Space Physics and Solar Physics</b>		
<i>Chairman: Chi Wang, NSSC, CAS</i>		
10:50-11:20	Sun-to-Earth Propagation of Coronal Mass Ejections	Ying Liu, NSSC, CAS, China
11:20-11:50	Magnetic Reconnection as A Ubiquitous Phenomenon in Space and Solar Plasma	Vyacheslav S. Lukin, US Naval Research Laboratory, USA
11:50-14:00	<i>Lunch</i>	
14:00-14:30	Initiation of Solar Flares/CMEs	Yingna Su, PMO, CAS, China
14:30-15:00	Turbulence, Self-organized Criticality, and Space Weather Prediction	James McAteer, New Mexico State University, USA
15:00-15:30	Magnetic Activities in Solar Coronal Holes	Shuhong Yang, NAOC, China
15:30-15:50	<i>Coffee Break</i>	
<b>SESSION I: Space Physics and Solar Physics</b>		
<i>Chairman: Charles Kennel, University of California, San Diego, NAS</i>		
Time	Subject	Contributor
15:50-16:20	Direct Measurements of the Solar Wind Near Earth and in the Corona	Justin Kasper, University of Michigan, USA
16:20-16:50	Solar Wind Impacts on Growth Phase Duration and Substorm Intensity	Hui Li, NSSC, CAS, China
16:50-17:20	Exploring the Slow and Fast Solar Wind in the Recent Solar Cycles	Liang Zhao, University of Michigan, USA

## DAY 2: May 9, 2014

<b>SESSION I: Space Physics and Solar Physics</b>		
<i>Chairman: Charles Kennel, University of California, San Diego, NAS</i>		
<b>Time</b>	<b>Subject</b>	<b>Contributor</b>
09:00-09:30	Understanding the Origin of Diffuse Auroral Precipitation And Its Global Distribution	Binbin Ni, Wuhan University, China
09:30-10:00	Using Radio Waves to Study Extreme Space Weather Events at Mars	Paul Withers, Boston University, USA
10:00-10:20	<i>Coffee Break</i>	
<b>SESSION II: Space Astronomy</b>		
<i>Chairman: Shuangnan Zhang, IHEP, CAS</i>		
10:20-10:50	Future of Planetary Astronomy: Need for a Post-Hubble Visible/UV Space Telescope	Kunio Sayanagi, Hampton University, USA
10:50-11:20	Micro-pore Optics Onboard China's Next Generation Space X-Ray Astronomical Missions	Chen Zhang, NAOC, China
11:20-11:50	PANGU: A High Resolution Gamma-ray Space Telescope	Meng Su, MIT Kavli Institute for Astrophysics and Space Research, USA
11:50-12:20	Development and Ground Calibration of POLAR Instrument	Yongwei Dong, IHEP, CAS, China
12:20-14:00	<i>Lunch</i>	
<b>SESSION II: Space Astronomy</b>		
<i>Chairman: David Spergel, Princeton University, NAS</i>		
14:00-14:30	Multi-messenger Observations of Transient Gravitational-wave Sources with Space-based Telescopes	Ruslan Vaulin, Kavli MIT Institute for Astrophysics and Space Research, USA
14:30-15:00	Ultra-low Frequency Space Radio Observatory (ULFSRO)	Tao An, SHAO, CAS, China
15:00-15:10	Closing Comments	Michael Moloney, Space Studies Board, NAS
15:10-15:20	Closing Comments	Ji Wu, NSSC, CAS