



中国科学院国家空间科学中心  
National Space Science Center, CAS



# The 2<sup>nd</sup> Strategic Forum on Space Science

Jointly organized by  
National Space Science Center, CAS  
and  
International Space Science Institute - Beijing

4-5, September, 2019

Huairou, Beijing

# The 2<sup>nd</sup> Strategic Forum on Space Science

## Frontiers and Opportunities of Space Science

(What are the fundamental questions of Science and how can Space help to answer them?)

### Program

#### September 3

18:00-19:30 Welcome Reception at Yanxiang Hall of Swan Lakeview Hotel

#### September 4 (morning session)

08:30 Registration

Time	Subject	Contributor
<b><i>Opening Session</i></b>		
Co-chaired by Ji WU (NSSC, CAS, China) and Alvaro GIMÉNEZ (CSIC, Spain)		
Meeting Room: Yanqi Lakeview Hall on B1 (雁栖湖景厅)		
09:00-09:05	Welcome Address Speech	Chi WANG (NSSC, CAS)
09:05-09:10	Welcome Address Speech	Maurizio FALANGA (ISSI-BJ)
<b><i>Presentations on current programs and future plans: Chaired by Lennard FISK</i></b>		
09:10-09:40	● <a href="#">The Role of the National Academy of Sciences in US Space Science Planning</a>	Colleen HARTMAN (SSB, NAS)
09:40-10:10	● <a href="#">ESA's Current Space Science Program and Future Plans</a>	Günther HASINGER (ESA)
10:10-10:40	<i>Group Photo and Coffee Break</i>	
10:40-11:10	● <a href="#">JAXA's Space Science Program</a>	Masaki FUJIMOTO (ISAS, JAXA)

11:10-11:40	<ul style="list-style-type: none"> <li>● <a href="#">Russia's Current Space Science Program and Future Plans</a></li> <li>● <a href="#">Russian Space Missions for Solar-terrestrial Science</a></li> </ul>	Lev ZELENYI (IKI, RAS)  Anatoly PETRUKOVICH (IKI, RAS)
11:40-12:10	<ul style="list-style-type: none"> <li>● <a href="#">Space Science Missions in China</a></li> </ul>	Chi WANG (NSSC, CAS)
12:10-13:30	<i>Lunch</i>	

## September 4 (afternoon session)

### *Frontiers and Challenges*

Time	Subject	Contributor
<i>Chaired by Alvaro GIMÉNEZ</i>		
<i>Session 1: Space Astronomy and Fundamental Physics</i>		
13:30-13:50	<ul style="list-style-type: none"> <li>● <a href="#">High Energy Astrophysics Landscape: Opportunities and Challenges</a></li> </ul>	Keynote Speaker: Chryssa KOUVELOTOU (GWU)
13:50-15:00	Discussion and short presentations by participants <ul style="list-style-type: none"> <li>● <a href="#">Exploring the eXtreme Universe (EXU)</a></li> <li>● <a href="#">International Mega-Science Program</a></li> <li>● <a href="#">Ultralong wavelength sky observation with lunar orbit array</a></li> </ul>	Reporter: Shuangnan ZHANG (IHEP, CAS) Shuangnan ZHANG (IHEP, CAS)  Xuelel CHEN (NAOC, CAS)
15:00-15:15	<i>Coffee Break</i>	
<i>Session 2: Solar and Space Physics</i>		
15:15-15:55	<ul style="list-style-type: none"> <li>● <a href="#">Solar Physics Frontiers and Challenges</a></li> <li>● <a href="#">Space Physics Frontiers and Challenges</a></li> </ul>	Keynote Speaker: Sami SOLANKI (MPS) Rumi NAKAMURA (OeAW)

15:55-16:45	<p>Discussion and short presentations by participants</p> <ul style="list-style-type: none"> <li>● <a href="#">Lunar dusty plasma: Models and possibilities of “in situ” measurements</a></li> <li>● <a href="#">The Interstellar Express Probes --- from Earth’s Magnetospheres to the Outer Heliosphere &amp; Beyond</a></li> <li>● <a href="#">Solar Physics in China</a></li> </ul>	<p>Reporter: Weiqun GAN (PMO, CAS) Lev ZELENYI (IKI, RAS)</p> <p>Qiugang ZONG (Peking University)</p> <p>Weiqun GAN (PMO, CAS)</p>
16:45-17:00	<i>Coffee Break</i>	
<b><i>Session 3: Exoplanets</i></b>		
17:00-17:20	<a href="#">Exoplanets Frontiers and Challenges</a>	Keynote Speaker: Willy BENZ (UB)
17:20-18:30	<p>Discussion and short presentations by participants</p> <ul style="list-style-type: none"> <li>● <a href="#">Exoplanet Science: What’s next?</a></li> <li>● <a href="#">LIFE IN THE UNIVERSE, Breakthrough Initiatives</a></li> <li>● <a href="#">Closeby Habitable Exoplanet Survey (CHES)</a></li> </ul>	<p>Reporter: Jianghui JI (PMO, CAS) Ignasi RIBAS (IEEC, CSIC) Pete WORDEN (BPF)</p> <p>Jianghui JI (PMO, CAS)</p>
19:00	<i>Dinner</i>	

## September 5 (morning session)

### *Frontiers and Challenges (continued)*

Time	Subject	Contributor
<i>Chaired by Ji WU</i>		
<i>Session 4: Planetary Science</i>		
<b>08:30-08:50</b>	<ul style="list-style-type: none"> <li>● <a href="#">Planetary Science Frontiers and Challenges</a></li> </ul>	Keynote Speaker: Tilman SPOHN (ISSI)
<b>08:50-10:00</b>	Discussion and short presentations by participants	Reporter: Yongliao ZOU (NSSC, CAS)
<b>10:00-10:30</b>	<i>Coffee Break</i>	
<i>Session 5: Earth Space Sciences</i>		
<b>10:30-10:50</b>	<ul style="list-style-type: none"> <li>● <a href="#">Thriving on Our Changing Planet New Spaceborne Observations of Earth</a></li> </ul>	Keynote Speaker: Jeff DOZIER (UCSB)
<b>10:50-12:00</b>	Discussion and short presentations by participants	Reporter: Jiancheng SHI (AIR, CAS)
	<ul style="list-style-type: none"> <li>● <a href="#">Satellite Programs for Earth Science and Applications from Space in China</a></li> <li>● <a href="#">Strategic planning</a></li> <li>● <a href="#">Earth System Science from Space</a></li> </ul>	Xiaolong DONG (NSSC, CAS)  Yan KERR (CESBIO) Jiancheng SHI (AIR, CAS)
<b>12:00-12:10</b>	<ul style="list-style-type: none"> <li>● <a href="#">International Cooperation Can we do better? Why should we do better?</a></li> </ul>	Roger BONNET (ISSI)
<b>12:10-14:00</b>	<i>Lunch</i>	

## September 5 (afternoon session)

### *Reports and Open Discussions*

Time	Subject	Contributor
<b><i>Chaired by Chi WANG</i></b>		
14:00-14:15	<a href="#">Space Astronomy/Fundamental Physics Summary</a>	Chryssa KOUVELOTOU (GWU) Shuangnan ZHANG (IHEP, CAS)
14:15-14:30	<a href="#">Solar/Space Physics Summary</a>	Rumi NAKAMURA (OeAW) Weiqun GAN (PMO, CAS)
14:30-14:45	<a href="#">Exoplanet Summary</a>	Willy BENZ, UB Jianghui JI (PMO, CAS)
14:45-15:00	<a href="#">Planetary Science Summary</a>	Tilman SPOHN (ISSI) Yongliao ZOU (NSSC, CAS)
15:00-15:15	<a href="#">Space Earth Science Summary</a>	Jeff DOZIER (UCSB) Jiancheng SHI (AIR, CAS)
15:15-15:45	<i>Coffee Break</i>	
<b><i>Meeting Conclusion: Chaired by Ji WU and Alvaro GIMÉNEZ</i></b>		
15:45-16:00	● <a href="#">The planning of the ESA Science Program</a>	Fabio FAVATA (ESA)
16:00-16:15	● <a href="#">Selection of Russian space science missions</a>	Anatoly PETRUKOVICH (IKI, RAS)
16:15-17:10	Meeting Conclusion	
18:30	<i>Buffet dinner at Yanming Hall (first floor) of Swan Lakeview Hotel</i>	