



**2021 INTERNATIONAL SYMPOSIUM ON THE  
PEACEFUL USE OF SPACE TECHNOLOGY - HEALTH**

## IPSPACE 2021 PROGRAM

**Webinar, November 18 - 20, 2021**

### Thursday, November 18, 2021

10:30-11:30	<b>Preliminary Meeting (Closed Meeting)</b>
<b>Plenary Session Part I</b>	
<b>Time (GMT+8): 14:00-17:20</b>	
<b>Moderator:</b> WEI Zheng, General Secretary of China Association of Remote Sensing Application	
14:00-14:05	<b>Welcome Remark</b> by Steve EISENHART, IPSPACE Co-Chair, Senior Vice President - Strategic & International Affairs, Space Foundation
14:05-14:35	<b>The Intelligence of Chinese Satellites' Observation to Space &amp; Earth</b> LI Deren, academician of Chinese Academy of Sciences, academician of Chinese Academy of Engineering
14:35-14:55	<b>Remote Sensing Satellite Big Data Supports Sustainable Development</b> YUE Tao, Chairman, China Siwei Surveying and Mapping Technology Co. Ltd.
14:55-15:15	<b>Perception of Spatial Environment Changes and Smart Space</b> JIN Shuanggen, Researcher, Shanghai Astronomical Observatory, Chinese Academy of Sciences, Dean, School of Remote Sensing & Geomatics Engineering, Nanjing University of Information Science and Technology, Member of the European Academy of Sciences
15:15-15:35	<b>Space and Connectivity for Green Value</b> Elodie VIAU, Director of the ESA Telecommunications Council
15:35-15:55	<b>Sustainable Development and Risk Assessment - Innovation Opportunities in Space Science &amp; Technology Cooperation</b> Yuri OZOROVICH, Assistant Director, Professor, Space Research Institute of the Russian Academy of Sciences
15:55-16:10	<b>China's Space Activities and its Impact on the Society</b> Jacqueline MYRRHE, Independent space consultancy, Publisher
16:10-17:20	<b>Panel Discussion: Opportunities for SMEs and Their Role in the Industry of Peaceful Use of Space</b> <b>Moderator:</b> KANG Jincheng, Vice Chairman, China Hi-Tech Industrialization Association <b>Panelists:</b>

	<ul style="list-style-type: none"> <li>• GUO Quanqi, Vice President, President of China Electronics Chamber of Commerce</li> <li>• Renzo ISLER, Director, EU SME Centre</li> <li>• Barbara GHINELLI, Director, Clusters and Campus Development, UKRI-Science and Technology Facilities Council (STFC)</li> <li>• LONG Kaicong, Secretary-General of ZhongguancunLingchuang Commercial Aeros Industrial Alliance</li> </ul>
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<b>Opening Ceremony</b>	
<b>Time (GMT+8):</b> 21:00-22:00	
<b>Moderator:</b> YU Haining	
21:00-22:00	<p><b>Remarks</b></p> <ul style="list-style-type: none"> <li>• WANG Tianyi, IPSPACE Executive Chairman, Executive Chairman of the International Peace Alliance (Space), IAA member</li> <li>• LIU Jiyuan, IPSPACE Honorary Chair, Former president of the China National Space Administration, Former Vice-President of International Academy of Astronautics (IAA)</li> <li>• WU Yansheng, IPSPACE Co-Chair, President of Chinese Society of Astronautics</li> <li>• George ABBEY, IPSPACE Honorary Chair, Chair, Rice University’s Baker Institute’s International Space Medicine Summit (RICE ISMS), former director of NASA Johnson Space Center (JSC)</li> <li>• Neil BUSH, IPSPACE Honorary Chair, Chairman, George H. W. Bush Foundation for U.S.-China Relations</li> <li>• Simonetta DI PIPPO, Director, United Nations Office for Outer Space Affairs (UNOOSA)</li> <li>• Jean-Michel CONTANT, IPSPACE Co-Chair, Secretary-General of IAA</li> <li>• Christian FEICHTINGER, IPSPACE Co-Chair, Executive Director, International Astronautical Federation (IAF)</li> <li>• Steve Eisenhart, IPSPACE Co-Chair, Senior Vice President - Strategic &amp; International Affairs, Space Foundation</li> <li>• Roberto BATTISTON, IPSPACE Co-Chair, former President of the Italian Space Agency (ASI), Chairman of the Scientific Committee of the New Space Economy European Expo Forum, IAA member</li> <li>• YANG Baohua, IPSPACE Co-Chair, General Manager, China Satellite Network Group Co., Ltd., Vice President of Chinese Society of Astronautics (CSA), IAA member</li> <li>• WANG Ning, IPSPACE Co-Chair, President of China Electronics Chamber of Commerce (CECC)</li> <li>• GUO Yong, Executive Member of the Council, Chinese Society of Astronautics</li> <li>• XIE Jingrong, Vice-Chairman, All-China Federation of Industry and Commerce</li> <li>• ZHU Qingfeng, Chairman, Shenzhen Aviation Association</li> <li>• BAO Weimin, Vice President of China Association for Science and Technology (CAST), Chairman of China High-Tech Industrialization Association (CHIA),</li> </ul>

	Academician of Chinese Academy of Sciences (CAS), IAA member, announces the opening of IPSPACE 2021
<b>Plenary Session Part II</b>	
<b>Time (GMT+8):</b> 22:10-23:00	
<b>Moderator:</b> KANG Jincheng, Vice Chairman, China Hi-Tech Industrialization Association	
22:10-22:25	<b>Space-based Solutions as Accelerators for the Achievements of the Sustainable Development Goals</b> Luc St-PIERRE, Chief, Space Applications Section (SAS), United Nations Office for Outer Space Affairs (UNOOSA)
22:25-22:40	<b>Space to Breathe: How Space Technology Is Helping to Tackle Climate Change</b> David Alexander OBE, Director of Rice Space Institute, professor at the department of physics and astronomy, Rice University
22:40-23:00	<b>“Space Hospital” and the Health of the Earth's Inhabitants</b> Du Jichen, General Manager, Aerospace Medical & Healthcare Technology Group Co., Ltd., Director of China Aerospace Center Hospital, IAA member
23:00-23:20	<b>Ground Applications of Aerospace Medicine: Past, Present, and Future</b> Oleg ORLOV, Director, Institute of Biomedical Problems (IBMP), member of the Russian Academy of Sciences, IAA member

### Friday, November 19, 2021

<b>Session 1: Deepening Application of Spatial IT in New Era &amp; Human Sustainable Development</b>	
<b>Time (GMT+8):</b> 09:00-11:30	
<b>Organizers:</b> China Association of Remote Sensing Application (CARSA); GNSS & LBS Association of China (GLAC); China Communications Industry Association (CCIA)	
09:00-09:20	<b>Moderator:</b> WEI Zheng, Secretary General of China Association of Remote Sensing Application <b>Remarks</b> <ul style="list-style-type: none"> <li>• Jean-Michel CONTANT, IPSPACE Co-Chair, Secretary-General of IAA</li> <li>• LUO Ge, IPSPACE Co-Chair, Director General of China Association of Remote Sensing Application (CARSA), IAA member</li> <li>• YU Xiancheng, IPSPACE Co-Chair, Chairman of GNSS and LBS Association of China</li> <li>• WANG Bingke, IPSPACE Co-Chair, Chairman of China Communications Industry Association (CCIA)</li> <li>• Christian Feichtinger, IPSPACE Co-Chair, Executive Director, International Astronautical Federation (IAF)</li> </ul>
<b>Keynote Presentations (Part 1)</b>	
<b>Moderator:</b> WU Xiaogan, Vice-Secretary-General of GNSS and LBS Association of China	
09:20-09:40	<b>Space Technology for Planet Earth: Integrating Local in Global</b> Marius-Ioan PISO, Chairman and CEO of the Romanian Space Agency (ROSA)

09:40-10:00	<b>Current Situation and Prospect of BEIDOU Navigation Satellite System</b> LIN Baojun, Vice President of Innovation Academy for Microsatellites of CAS, Chief Designer of Beidou-3 Navigation Satellite System
10:00-10:20	<b>APSCO Contribute Asia Pacific Region Countries Space Capacity Building</b> Ferhat Fikri OZEREN, Deputy Secretary-General, APSCO
<b>Keynote Presentations (Part 2)</b> <b>Moderator:</b> ZHOU Zikuan, Vice General Secretary, China Association of Remote Sensing Application	
10:20-10:40	<b>Innovative Applications of Spatial IT Help Carbon Peak and Neutrality Goals</b> TAN Jing, Chairman of Beijing Aerospace Titan Technology Company, Executive Director of China Remote Sensing Application Association
10:40-11:00	<b>Commercial Aerospace Helps New Mapping Applications</b> WANG Yuxiang, Chairman, PIESAT
11:00-11:20	<b>Remote Sensing, Big Data, and Industrial Applications</b> WANG Zhigang, member of China Center for Resources Satellite Data and Application
11:20-11:30	<b>Deep Space is Changing Everything</b> Sergey VOLKOV, Pilot, Cosmonaut, Hero of the Russian Federation

<b>Session 2: Space Technology and Human Health</b>	
<b>Time (GMT+8):</b> 09:00-18:30	
<b>Organizer:</b> State-Guest Health Management Center	
<b>Co-Organizers:</b> Aerospace Medical & Healthcare Technology Group Co., Ltd.; Aerospace Medicine Committee of China Medicine Education Association (CMEA)	
<b>Moderator:</b> DENG Yulin, President of the IAA Life Sciences Commission, Chief Scientist, Institute of Engineering Medicine of Beijing Institute of Technology (BIT)	
09:00-11:30	<b>Aerospace Medicine Committee of China Medicine Education Association Virtual Founding Ceremony</b>
14:00-14:15	<b>Welcome Remarks</b> <ul style="list-style-type: none"> <li>• George ABBEY, IPSPACE Honorary Chair, Chair, Rice University's Baker Institute's International Space Medicine Summit (ISMS), former director of NASA Johnson Space Center (JSC)</li> <li>• HUANG Zhengming, China Medicine Education Association representative</li> <li>• Oleg ORLOV, IPSPACE Co-Chair, Director, Institute of Biomedical Problems (IBMP), member of the Russian Academy of Sciences, IAA member</li> <li>• Olivier CONTANT, Director of Innovation and New Technology at the International Academy of Astronautics (IAA), Co-Editor of Acta Astronautica, President of the International Innovation Research Institute (IIRI)</li> </ul>
14:15-14:30	<b>Microfluidic Chips and Biomanufacturing Technology</b> DENG Yulin, President of the IAA Life Sciences Commission, Chief Scientist, Institute of Engineering Medicine of Beijing Institute of Technology (BIT)
14:30-14:45	<b>Gravitational Force - Regulated Gene Expression: Learning from Space for Earth</b> Oliver ULLRICH, Full Professor and Director Innovation Cluster Space and Aviation, University of Zurich (UZH)
14:45-15:00	<b>The Carcinogenic Effect of Space Radiation and the Basic Research of Its</b>

	<p><b>Prevention</b> ZHOOU Guangming, Professor, Soochow University, IAA member</p>
15:00-15:15	<p><b>Cross-Talk between Muscle Stimulation and Bone Loss with Promethazine in Disuse Osteopenia</b> Yi-Xian Qin, SUNY Distinguished Professor, Chair, Biomedical Engineering (BME) Department, Co-Director, Institute for Engineering Driven Medicine at Stony Brook University</p>
15:15-15:30	<p><b>Biomanufacturing and Space 3D Printing</b> GU Qi, Full Professor, Institute for Stem Cell and Regeneration (ISCR)   Institute of Zoology (IOZ), Chinese Academy of Sciences (CAS); Group Leader of Bioinspired Engineering</p>
15:30-15:45	<p><b>The Role of Space Analogs in Development and Testing of Healthcare Technologies on the Example of Space Cardiac Technology</b> Vasily Rusanov, Head of Laboratory to the Institute of Biomedical Problems of Russian Academy of Sciences Co-presenters: Kussmaul A.R., Belakovskiy M.S.</p>
15:45-16:00	<p><b>Break</b></p>
16:00-16:15	<p><b>Digital Enabling Research on Health</b> WU Xifeng, Director of School of Public Health, Zhejiang University, Vice President of the Second Affiliated Hospital Zhejiang University School of Medicine, President of National Institute of Health and Medical Data of Zhejiang University</p>
16:15-16:30	<p><b>Safe Food Production in Space – Are There Any Microbial Risks by Cultivating Plants in a Confined Greenhouse?</b> Petra RETTBERG, Head of the Astrobiology Research Group, Institute of Aerospace Medicine, DLR</p>
16:30-16:45	<p><b>Progress in the Application of AI Imagery in the Prevention and Treatment of Major Illness</b> <b>WANG Zhiquan, Director, Department of Radiology, Aerospace Center Hospital (ASCH)</b></p>
16:45-17:00	<p><b>Worldclass Research Center “Pavlov Center for Integrative Physiology to Medicine, High-tech Healthcare and Stress Tolerance Technologies” as a Platform for the Introduction of Space Medicine Technology into Healthcare Practice</b> Elena TOMILOVSKAYA, Head of the department of sensory-motor physiology and countermeasures to the Institute of Biomedical Problems of Russian Academy of Sciences Co-presenters: Kussmaul A.R., Saveko A.A., Shigueva T.A., Gushin V.I., Orlov O.I.</p>
17:00-17:15	<p><b>The Application and Prospect of Remote Ultrasound in Aerospace Medicine</b> GUO Jun, Vice-Director of China Aerospace Center Hospital / Insitute of Aerospace Clinical Medicine of Peking University</p>
17:15-17:30	<p><b>The Prospect of Using Mass Spectrometer to Monitor the Health of Astronauts and Detect Infectious Diseases</b> Evgeny NIKOLAEV, Professor, Skolkovo Institute of Technology, member of Russian Academy of Sciences</p>

17:30-18:15	<p><b>Panel Discussion: Application of AI and Big Data in Human Health</b></p> <p><b>Moderator:</b> DENG Yulin, President of the IAA Life Sciences Commission, Chief Scientist, Institute of Engineering Medicine of Beijing Institute of Technology (BIT)</p> <p><b>Panelists:</b></p> <ul style="list-style-type: none"> <li>• ZHANG Shu, Director, Heart Rhythm Committee, Chinese Medical Doctor Association</li> <li>• DING Mingchao, Vice-Director of China Aerospace Center Hospital, Leader of Interventional vascular medicine department</li> <li>• LUO Zhangyuan, Tutor, Joint Master Training Program, University of Shanghai for Science and Technology, Shanghai Science and Technology Review Expert, Chairman, General Manager, Ensense Biomedical Technologies</li> <li>• ZHOU Yajie, Executive Director, Center for Modern Engineering and Technology Research of Traditional Chinese Medicine of Jiangsu Province, Professorate Chief Engineer, Chinese Medicine Health Industry Group</li> </ul>
18:15-18:30	<b>Summary Remarks</b>

<p><b>Session 3: Space Power and Terrestrial Energy</b></p> <p><b>Time (GMT+8):</b> 16:00-18:45 (5 min online live Q&amp;A included for each presentation)</p> <p><b>Organizer:</b> International Peace Alliance (Space)</p> <p><b>Moderator:</b> John C. MANKINS, Chair, IAA Decadal Space Solar Power Assessment, Chair, IAF Space Power Committee</p>	
16:00-16:05	<p><b>Opening remark, introduction of Speakers</b></p> <p>John C. MANKINS, Chair, IAA Decadal Space Solar Power Assessment, Chair, IAF Space Power Committee</p> <p><b>Remark</b> by Jean-Michel CONTANT, IPSPACE Co-Chair, Secretary-General of IAA</p>
16:05-16:30	<p><b>Global Overview of Space Solar Power and Achieving Carbon Net-Zero</b></p> <p>John C. MANKINS, Chair, IAA Decadal Space Solar Power Assessment, Chair, IAF Space Power Committee</p>
16:30-16:55	<p><b>The Opportunity for the Rapid Development of Solar Power Satellites to Face the Goal of Carbon Neutrality</b></p> <p>LI Ming, chairman of the Committee of Space Solar Power Station, Chinese Society of Astronautics, member of the Space Power Technical Committee of the International Astronautical Federation (IAF), member of the IAF Honor and Awards Committee, member of International Academy of Astronautics</p>
16:55-17:15	<p><b>Space-based Solar Power - a New Path to Net Zero</b></p> <p>Martin SOLTAU, Head of Space business for Frazer-Nash Consultancy, Co-Chair, Space Energy Initiative</p>
17:15-17:35	<p><b>ESA Activities Related to Space Contributions to Sustainable Energy Systems</b></p> <p>Leopold SUMMERER, Head, General Studies Program ESA</p>
17:35-17:55	<p><b>Topology and Bionic-based Thermal Design of Space Solar Power Station and the Application in SSPS-OMEGA</b></p> <p>ZHANG Yiqun, Professor at the School of Electromechanical Engineering of Xidian University, Member of the Committee of Space Solar Power Station, Chinese Society of</p>

	Astronautics
17:55-18:15	<b>Scaling to Net Zero</b> Emma SOUTHWELL-SANDER, Supervisor of the development and management of the Energy Tec Cluster at Harwell, Former Director of Ikon Science for EMEA
18:15-18:45	<b>Closing Panel Discussion</b>

## Saturday, November 20, 2021

<b>Session 4: Space Technology and Industrial Investment</b>	
<b>Time (GMT+8):</b> 09:00-12:00	
<b>Organizers:</b> Wingo Fund	
<b>Co-organizer:</b> CIIC McFaddens Holdings Ltd.	
<b>Strategic Partners:</b> Huatai Law Firm; Rocket π	
<b>Moderator:</b> DU Shuai, Chairman, Zhongcheng Construction Investment, CCTV Finance Guest Commentator, BJT Host	
09:00-09:25	<p><b>Remarks</b></p> <ul style="list-style-type: none"> <li>• WANG Tianyi, IPSPACE Executive Chairman, Executive Chairman of the International Peace Alliance (Space), IAA member</li> <li>• The Lord Grade of Yarmouth CBE, Co-Chairman of CIIC McFaddens Holdings Ltd, Former Chairman of the BBC</li> <li>• Jennifer YU, Founding partner of Auster Capital, Chairwoman of Rothschild &amp; Co Group in Greater China</li> <li>• YANG Tianliang, Executive President, Institute of Aerospace Information Hainan, Chinese Academy of Sciences, Chairman, ChinaRS IT Cluster Investment San'yaLtd.</li> <li>• ZHAO Zemin, Chief partner, Huatai Law Firm HQ</li> </ul>
09:25-09:40	<p><b>Exploration and Practice in Commercial Space Innovation, Sharing, Ecological Development</b></p> <p>YUAN Hongyi, Vice Chairman, Researcher, Zhongguancun Lingchuang Commercial Aeros Industrial Alliance</p>
09:40-09:55	<p><b>Why include an interactive space museum in a scientific and industrial space park? Exemple of la Cité de l'espace in Toulouse, France</b></p> <p>Jean-Baptiste DESBOIS, CEO - Director General - SEMECCEL- Cite de l'espace / L'Envol des Pionniers</p>
09:55-10:30	<p><b>Science and Technology Enables Innovative Clusters and Industrial Development</b></p> <p><b>Concept of an Aerospace Technology Industrial Park</b> HUANG Xiaoming, Senior Researcher of Institute of Space Economics</p> <p><b>Supporting SMEs to Innovate and Scale</b> Barbara GHINELLI, Director, Clusters and Campus Development, UKRI-Science and Technology Facilities Council (STFC)</p> <p><b>Huyang Fund Preparation Development and Prospects</b> ZHOU Bin, Chairman of Huyang Fund</p>
10:30-10:45	<b>Analysis on the Investment Value of Spatial IT</b>

	NI Jinsheng, Vice Chairman, Space Titan
10:45-11:00	<b>Open the way to commercializing space life sciences</b> - <b>The Action of Human Space Life Science by Rocket π</b> William CHENG, Founder & CEO, Rocket π
11:00-11:15	<b>Applications of Intelligent Medical Refrigerators and Cloud Monitoring Devices in COVID-19 Epidemic</b> ZHANG Daoguangyao, PhD in Biomedical Engineering, Beijing Institute of Technology, Assistant General Manager, Ligong Genshu (Guangdong) Technology Co Ltd
11:15-11:30	<b>Toward a Lunar Space Economy Ecosystem</b> Vincenzo GIORGIO, Vice President for Institutional Marketing & Sales at Thales Alenia Space Italia, CEO of ALTEC S.p.A.
11:30-11:45	<b>Space Asset and Green Technology Investment and Applications</b> JING Yuhong, Vice-President of Institute of Space Economics
11:45-12:00	<b>Conceptions about Initiating the Establishment of China Aerospace Science and Technology Industry Investment Fund</b> Financial Street Wingo Research Institute and Young Financiers Club Organizing Group

<b>Session 5: Green Space, Space Propulsion Prospects and Opportunities</b>	
<b>Time (GMT+8):</b> 09:00-11:15	
<b>Organizer:</b> International Peace Alliance (Space)	
<b>Moderator:</b> ZHENG Riheng, Vice Chairman, IAF Space Propulsion, Professor, Beihang University (BUAA)	
09:00-09:05	<b>Remark</b> by Jean-Michel CONTANT, IPSPACE Co-Chair, Secretary-General of IAA
09:05-09:20	<b>Hydrogen Peroxide as Green Space Propellant</b> Filippo Maggi, Associate Professor, Space Propulsion Laboratory, Dept. of Aerospace Science and Technology, Politecnico di Milano
09:20-09:35	<b>Green Fuelled Hypersonic Vehicle for Passengers Transport and Space Propulsion</b> Antonella INGENITO, Professor of "Hybrid Propulsion and New Launch Systems", Head of the aerospace propulsion laboratory SIA ASPC lab of the School of Aerospace Engineering, IAA member
09:35-09:50	<b>Hydrogen Fueled Space Propulsion</b> ZHENG Riheng, Vice Chairman, IAF Space Propulsion, Professor, Beihang University (BUAA)
09:50-10:05	<b>Analysis of Detection Requirements to Address Space Debris Issues</b> LIU Dan, Researcher
10:05-10:30	<b>Green Fuel for Advanced Aerospace Propulsion</b> ZHANG Xiangwen, Chair Professor, Head of Innovation Team of Education Department, Tianjin University
10:30-10:45	<b>Green Propulsion Initiatives at ISRO</b> K. Shambayya, Group Director, SPSG, Liquid Propulsion System Centre (LPSC), Indian Space Research Organisation (ISRO)
10:45-11:15	<b>Closing Panel Discussion</b>



## Session 6: Space Breeding and Space Biology Research

**Time (GMT+8):** 14:00-17:20

**Organized by:** CHIA Modern Agriculture and Space Breeding Working Committee

**Moderator:** WANG Junfeng, Vice Director, Modern Agriculture and Space Breeding Committee of the China High School Association, General manager of Beijing Xing Oriental Technology Co., Ltd

14:00-14:10	<p><b>Remark</b> by LIU Jiyuan, IPSPACE Co-Chair, Director, Expert Committee, China High-Tech Industrialization Association, Director, Expert Committee, Space Breeding Industry Innovation Alliance, former Director, China National Space Administration, former Vice-President, International Academy of Astronautics (IAA)</p> <p><b>Remark</b> by Sergey VOLKOV, Pilot, Cosmonaut, Hero of the Russian Federation</p>
14:10-14:50	<p><b>Promote Rural Revitalization Policies and Focus on Food Security</b> XU Xiaoqing, Researcher, former Director of Rural Economy Research, Development Research Center of the State Council of the People's Republic of China</p>
14:50-15:10	<p><b>Solution for Planting Food by Simulating the Earth Environment in Space</b> Serge Ameye, Co-founder, Greenworx.EU</p>
15:10-15:30	<p><b>Space Breeding Helps to Implement the Strategy of Rural Revitalization</b> WANG Chunhe, former Director, Corporate Culture Department, China Aerospace Science and Technology Group (CASIC), Standing Director, China High-Tech Industrialization Association (CHIA)</p>
15:30-15:50	<p><b>Space Breeding Opens a New Era of Life on Earth</b> YU Futong, Associate Professor, College of Resources and Environmental Sciences, China Agricultural University</p>
15:50-16:10	<p><b>The Utilization and Risk Assessment of Space-Mutagenic Agricultural Microbial Resources</b> YAN Jiye, Vice President, Beijing Academy of Agricultural and Forestry Sciences</p>
16:10-16:30	<p><b>Study on the Effect of Space Mutation on Ganoderma Strains</b> PANG Xin, Vice President, ShenzhouSpace Biological Active Health Research Institute, China Academy of Space Technology</p>
16:30-16:50	<p><b>Global Spatial Planting Technology</b> YANG Liancheng, Technical advisor, Zhong Nong Junjing Technology Co., Ltd</p>
16:50-17:10	<p><b>Space Mutation Breeding Screening and Industrial Applications of S. Cerevisiae and Probiotics</b> YUAN Ming, CTO, Fullarton Bioengineering Technology (Beijing) Co., Ltd., Vice President of Fullarton Institute of Space Biology</p>
17:10-17:40	<p><b>Panel Discussion: Promote and expand the application and transformation of space life sciences results</b> <b>Moderator:</b> WANG Junfeng, Vice Director, Modern Agriculture and Space Breeding Committee of the China High School Association, General manager of Beijing Xing Oriental Technology Co., Ltd <b>Panelists:</b></p> <ul style="list-style-type: none"> <li>· PANG Xin, Vice President, Shenzhou Space Biological Active Health Research Institute, China Academy of Space Technology</li> </ul>

	<ul style="list-style-type: none"> <li>· YUAN Ming, CTO, Fullarton Bioengineering Technology (Beijing) Co., Ltd., Vice President of Fullarton Institute of Space Biology</li> <li>· ZHOU Yajie, Executive Director, Center for Modern Engineering and Technology Research of Traditional Chinese Medicine of Jiangsu Province, Professorate Chief Engineer, Chinese Medicine Health Industry Group, Standardization Engineer, Senior IP Engineer, Senior Engineer</li> <li>· William CHENG, Founder &amp; CEO, Rocket π</li> </ul>
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<b>Session 7: Space Education</b>	
<b>Time (GMT+8):</b> 15:00-17:20	
<b>Venue:</b> The Experimental High School Attached to Beijing Normal University	
<b>Hosts:</b> China Association of Children’s Science Instructors; International Peace Alliance (Space)	
<b>Organizer:</b> Experimental High School Attached to Beijing Normal University	
<b>Public Welfare Supporter:</b> China Charities Aid Foundation for Children	
<b>Moderator:</b> ZHANG Yiliang, Vice President, Experimental High School Attached to Beijing Normal University	
15:00-15:10	<b>Welcome remark</b> by LI Xiaohui, President of the Experimental High School Attached to Beijing Normal University
15:10-15:15	<b>Congratulatory message</b> announced by Zhang Luqian, member of Chinese Academy of Engineering
15:15-15:25	<b>Remark</b> by Pascale EHRENFREUND, IPSPACE Co-Chair, President, International Astronautical Federation (IAF), President, International Space University (ISU)
15:25-15:40	<b>Space-Inspired Education- Advocating for Innovation. Bettering Life on Earth</b> Steve Eisenhart, IPSPACE Co-Chair, Senior Vice President - Strategic & International Affairs, Space Foundation Jodie Guillen, Education Program Manager and Teacher Liaison Wing Commander, Space Foundation
15:40-15:55	<b>D.I.Y. Your Own Space Balloon</b> Mr. Guillem Olivella, Prof. SUN Gongling, International Space University (ISU)
15:55-16:10	<b>From interest to career - the growth of a rocket enthusiast</b> HU Zhenyu, Founder and CEO of LinkSpace
16:10-16:20	<b>Club Activity Result Showcase by Jinpeng Science Club at the Experimental High School</b>
16:20-16:35	<b>Innovative Educational Projects from Cité de l’espace</b> Jean-Baptiste DESBOIS, CEO - Director General - SEMECCEL- Cite de l'espace / L’Envol des Pionniers
16:35-16:50	<b>Russia's National Space Education Program: Comparative Analysis</b> Vitalii Afiani, Advisor, Former Director, Archives of Russian Academy of Sciences
16:50-17:05	<b>Inspiration Space: Engaging the Next Generation</b> David ALEXANDER OBE, Director of Rice Space Institute, Professor at the department of physics and astronomy, Rice University
17:05-17:20	"A Letter to Astronauts" Call for Papers Awarding Ceremony

17:20-17:30	Astronaut's Message
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<b>Closing Ceremony</b>	
<b>Time (GMT+8):</b> 21:00-22:00	
<b>Moderator:</b> LIU Ying, Joint Secretary General of IPSPACE, Vice General Secretary of China Electronics Chamber of Commerce	
21:00-21:20	<b>Remarks</b> <ul style="list-style-type: none"> <li>• LUO Ge, IPSPACE Co-Chair, Director General of China Association of Remote Sensing Application (CARSA), IAA member</li> <li>• Neil BUSH, IPSPACE Honorary Chair, Chairman of George H. W. Bush Foundation for U.S.-China Relations</li> <li>• Christian FEICHTINGER, IPSPACE Co-Chair, Executive Director of International Astronautical Federation (IAF), IAA member</li> </ul>
21:20-21:30	<b>Official launching and operation for "Innovative Star Enterprise and Project Selection Platform of Space Science and Technology Applications and Transformation"</b> <b>Releaser:</b> International Innovation Research Institute Special representative
21:30-21:40	<b>Establishment of Financial Street Wingo Institute and the Young Financiers Club</b> <b>Releaser:</b> International Innovation Research Institute Special representative
21:40-21:50	<b>Initiative for Space Technologies Responding to Climate Change - Improving Home Earth</b> Jean-Michel CONTANT, IPSPACE Co-Chair, Secretary-General, IAA
21:50-22:00	The moderator announces the closing of IPSPACE 2021