



**2020 INTERNATIONAL SYMPOSIUM ON THE PEACEFUL USE OF
SPACE TECHNOLOGY - HEALTH (IPSPACE 2020)
2020 年空间技术和平利用（健康）国际研讨会（IPSPACE 2020）**

AGENDA

November 17 - 19, 2020

Presidential Hotel, Beijing (Online + Offline)

(Panel guests listed in no particular order)

Tuesday, November 17, 2020

Time	Agenda
All day	Registration
18:00-20:00	Working Dinner (Beijing Main Venue Only) Venue: Four Seasons Roof Garden
21:00-22:00	Preliminary Meeting with the Presidium and Expert Panel Venue: Beijing Hall, Presidential Hotel

Wednesday, November 18, 2020

Plenary Session Part I

Time: 14:00-17:10 Beijing time, 00:00-3:10 Houston time, 6:00-9:10 London time, 7:00-10:10 Strasbourg time, 09:00-12:10 Moscow time

Venue: Ballroom

Moderator: Wang Yiran*, Secretary General of Chinese Society of Astronautics

The plenary session mainly focuses on peaceful use of space technology and pandemic preparedness and prevention. Keynote speakers will share their views and insights on the development trends of, opportunities and challenges, and the importance of international cooperation in the course of the peaceful use of space technology, and how space technology can help pandemic monitoring, preparedness and prevention.

14:00-14:30	BDS/GNSS Remote Sensing: New Progress and Opportunities Presenter: Jin Shuanggen, Professor and Dean at Nanjing University of Information Science and Technology, Professor at the Shanghai Astronomical Observatory, Chinese Academy of Sciences (CAS), Member of the European Academy of Sciences
14:30-15:00	Valorisation of the Space Technology and Interface: Creation of International Innovation Infrastructure for the Implementation of the New Space Technologies for Health and Environmental Studies, Geo-Risks Monitoring of the Natural Ecosystems

*Note: The marked names are confirmed Presenters, and others are planned invitations. Please refer to the announcement by the Organizing Committee for the final agenda.

	Presenters: Lev Zelenyi*, Academician, President of the Space Research Institute of the Russian Academy of Sciences; Yuri Ozorovich, Director of International Cooperation Affairs, Institute of Aerospace Research, Russian Academy of Sciences
15:00-15:10	Space Medicine and Human Health Presenter: Deng Yulin*, Director of School of Life Sciences, Beijing Institute of Technology
15:10-15:40	Coffee Break
15:40-16:10	Industrial Clusters: the Commercialisation of Space and the Role of Collaborative Innovation Ecosystems Presenter: Barbara Ghinelli*, Director of Harwell Campus Business Development and Clusters at Science and Technology Facilities Council (STFC)
16:10-17:10	Panel Discussion Moderator: Joanna Hart, Harwell Space Cluster Development Manager Members: Barbara Ghinelli, Director of Harwell Campus Business Development and Clusters at Science and Technology Facilities Council (STFC) Liu Xiaolong, General Manager of Beihang Science and Technology Cluster Jin Shuanggen, Professor and Dean at Nanjing University of Information Science and Technology, Professor at the Shanghai Astronomical Observatory, Chinese Academy of Sciences (CAS), Member of the European Academy of Sciences
18:00-20:00	Welcome Banquet (Beijing main venue only) (Four Seasons Roof Garden)

Opening Ceremony	
Time: 21:00-22:10 Beijing Time, 7:00-8:10 Houston time, 13:00-14:10 London time, 14:00-15:10 Strasbourg time, 16:00-17:10 Moscow Time	
Venue: Ballroom	
Moderator: TBD	
21:00-22:00	Remarks: <ol style="list-style-type: none"> 1. Liu Jiyuan, Honorary Chairman of IPSPACE 2020, Vice Chairman of International Academy of Astronautics (IAA) 2. Wang Tianyi, Executive Chairman of IPSPACE 2020, IAA Member, Executive Chairman of the International Peace Alliance (Space) 3. Zhang Kejian, Director of China National Space Administration (invited) 4. Wu Yansheng, Chairman of Chinese Society of Astronautics (CSA) 5. Christian Feichtinger, Executive Director of the International Astronautical Federation 6. Jean-Michel Contant, Secretary-General of IAA

*Note: The marked names are confirmed Presenters, and others are planned invitations. Please refer to the announcement by the Organizing Committee for the final agenda.

	<p>7. Kai-Uwe Schrogl, former President of the International Institute of Space Law</p> <p>8. Neil Bush, Chairman of the George H. W. Bush Foundation for US-China Relations</p> <p>9. Simonetta Di Pippo, Director of UNOOSA*</p> <p>10. Juan de Dalmau, President of International Space University (ISU)</p> <p>11. Andy Turnage, Executive Director of the International Association of Space Explorers (ASE)</p> <p>12. George Abbey, Chair of Rice University International Space Medicine Summit (RICE ISMS)</p> <p>13. Jean-Yves Le Gall, President of Centre National d'Etudes Spatiales (CNES) (invited)</p> <p>14. Valanathan Munsami, CEO, South African National Space Agency (SANSA) (invited)</p> <p>15. Steve Eisenhart, Vice President of Space Foundation</p> <p>16. Oleg Orlov, Director to the Institute of Biomedical Problems of Russian Academy of Sciences, Member of IAA</p> <p>17. Hiroki Matsuo, former Chairman of the Space Activities Commission, Japan Aerospace Exploration Agency (JAXA), former Vice President of IAA</p>
--	---

Plenary Session Part II	
Time: 22:00-23:20 Beijing time, 8:00-9:20 Houston time, 14:00-15:20 London time 15:00-16:20 Strasbourg time, 17:00-18:20 Moscow time	
Venue: Ballroom, the Presidential Hotel	
Moderator: Kang Jincheng, Vice Chairman of China High-Tech Industrialization Association (CHIA)	
22:10-22:30	Industrial Trend of the Peaceful Utilization of World Space Technology Presenter: Roberto Battiston*, Former President of the Italian Space Agency (ASI)
22:30-10:50	Preparing for the Next Global Crisis Presenter: Robert Thirsk, Canadian Astronaut, Flight Surgeon, Adjunct Faculty Member of International Space University (ISU)
22:50-23:10	Space Technology in China's Epidemic Control Presenter: TBD
23:10-23:30	International Collaborations on the Peaceful Use of Space Presenter: Arfan Chaudhry, Head of International Policy, UK Space Agency

Thursday, November 19, 2020

Track 1: Spatial IT and Industrial Development

*Note: The marked names are confirmed Presenters, and others are planned invitations. Please refer to the announcement by the Organizing Committee for the final agenda.

<p>Time: 8:30-12:30 Beijing time, 18:30-22:30 (Nov. 18), Houston time, 0:30-4:30 London time, 1:30-5:30 Strasbourg time, 3:30-7:30 Moscow time</p> <p>Venue: Ballroom</p> <p>Moderator: Wei Zheng, Secretary-General of China Association of Remote Sensing Application (CARSA)</p> <p>Scientists and entrepreneurs will demonstrate how communication, navigation, and remote sensing technologies contribute to economy.</p>	
08:30-08:35	Guests Introduction
08:35-09:00	<p>Special Guests Remark:</p> <p>Li Jun, Deputy Director of China State Geospatial Information Center</p> <p>Yu Xiancheng, GNSS and LBS Association of China (GLAC)</p> <p>Luo Ge, Chairman of China Association of Remote Sensing Application (CARSA)</p> <p>Wang Bingke, Chairman of China Communications Industry Association (CCIA)</p>
09:00-09:30	<p>Digital Earth</p> <p>Speaker: Guo Huadong*, Member of CAS, Director of Center for Earth Observation and Digital Earth, CAS</p>
09:30-10:00	<p>Presenter: Yang Jun, Director and Researcher, China National Satellite Meteorological Center (NSMC)</p>
10:00-10:30	<p>Acquisition, Distribution, and Typical Applications of China's Independent Land Observation Satellite Data</p> <p>Presenter: Yue Tao*, Director, China Center for Resources Satellite Data and Application (CRESDA)</p>
10:30-11:00	<p>Efforts on Regional Mapping with Satellite Imagery for SDG</p> <p>Presenter: Jiang Jie*, Chair of the International Society for Photogrammetry and Remote Sensing (ISPRS)</p>
11:00-11:15	<p>Presenter: Fang Zheng*, Key Account Manager Space for China, Airbus Defence & Space</p>
11:15-11:30	<p>Presenter: Ge Houyi*, General Representative of Planetlab Asia Pacific</p>
11:30-12:30	<p>Panel Discussion: Industrialization of Spatial IT</p> <p>Moderator: China State Geospatial Information Center</p> <p>Presenters:</p> <p>Gu Xingfa, Researcher, Institute of Aerospace Information Research Institute, CAS</p> <p>Tang Xinming, Deputy Director, Satellite Remote Sensing Center, China Ministry of Natural Resources</p> <p>Wang Yuxiang, Founder, Chairman of Piesat Information Technology Co., Ltd.</p> <p>Xu Lixiang, General Manager of Huayi Emerging Industry Investment Group</p> <p>Song Changqing*, General Representative of Maxar China; etc.</p>

*Note: The marked names are confirmed Presenters, and others are planned invitations. Please refer to the announcement by the Organizing Committee for the final agenda.

12:30-13:30	Buffet
-------------	--------

<p>Track 2: Space Technology and Pandemic Preparedness and Prevention Time: 14:00-18:00 Beijing time, 00:00-4:00 Houston time, 6:00-10:00 London time, 7:00-11:00 Strasbourg time, 09:00-13:00 Moscow time Venue: Ballroom Moderator: Deng Yulin*, Dean, School of Life Sciences, Beijing Institute of Technology Space scientists and medical experts will explain how space helps improve human health.</p>	
14:00-14:05	Introduction of Guests
14:00-14:15	<p>Special Guests Remark: Hou Yan*, former director of the Planning Information Department of the National Health Commission of China, and vice chairman of the China Medical Equipment Association Oleg Orlov, Director to the Institute of Biomedical Problems of Russian Academy of Sciences, member of IAA Presenter: George Abbey, Chair of Rice University International Space Medicine Summit (RICE ISMS)</p>
14:15-14:35	<p>Presenter: Wu Xifeng*, Dean of Public Research Institute, Zhejiang University</p>
14:35-14:55	<p>The Role of Traditional Chinese Medicine in Preventing and Treating COVID-19 Presenter: Cao Hongxin*, Professor, former Chairman, Chief Researcher, China Academy of Chinese Medical Sciences,</p>
14:55-15:15	<p>Application of Spacial IT in Public Health Presenter: Zhuang Dafang*, Professor, Chief Expert, Public Health Emergency Command Center, China National Health Commission</p>
15:15-15:35	<p>Space Medicine for Human Health on Earth Presenters: E. Sigaleva*, Head of Department to the Institute of Biomedical Problems of Russian Academy of Sciences A. Kusmaul*, Deputy Head of Department to the Institute of Biomedical Problems of Russian Academy of Sciences</p>
15:35-16:05	<p>The Role of Space During Pandemics Presenter: Farhan Asrar*, member of Adjunct Faculty, International Space University Zaryab Afzal*, MEng Aero-Mechanical Engineering graduate from the University of Strathclyde, Glasgow, Scotland Goh Lian Ming*, Spacecraft Engineer from the Class of 2020 Master of Engineering at the University of Southampton, UK</p>
16:05-16:20	Coffee Break
16:20-16:40	Telemedicine and Telesurgery in Cancer Care

*Note: The marked names are confirmed Presenters, and others are planned invitations. Please refer to the announcement by the Organizing Committee for the final agenda.

	Robert L. Satcher*, Astronaut, Associate Professor, Orthopaedic Oncology, MD Anderson Cancer Center
16:40-17:00	On the Way to Development of Mass Spectrometry Based Microorganism Identification System for Onboard Applications Presenter: Evgeny Nikolayev*, The member of Russian Academy of Sciences, Professor of Skolkovo Institute of Science and Technology (Skoltech), Director of Mass Spectrometry laboratory at Skoltech
17:00-18:00	Panel Discussion Moderator: Wang Jianchang*, Designated Chairman member, Chinese Society of Aerospace Medicine, Chinese Medical Association, Members: Qiaoxin*, CEO of Deepwise Zeng Yu*, Director of Hainan South China Sea Health Industry Research Institute (HSCSH) Cheng Kai*, Professor, Beijing University of Chinese Medicine Zhao Guozhen*, Associate Researcher and Doctoral Supervisor, Institute of Psychology, CAS Feng Peng, President, Zhongke Health Industry Group Corp., Ltd., Director, Jiangsu Province Traditional Chinese Medicine Modernization Engineering Technology Research Center

Track 3: Space Technology and Industrial Investment

Time: 14:00-17:55 Beijing time, 00:00-3:55 Houston time, 6:00-9:55 London time, 7:00-10:55 Strasbourg time, 09:00-12:55 Moscow time

Venue: Beijing Hall, the Presidential Hotel

Scale: 50 guests

Moderator: Wu Jiandong*, Director, Gridwise Alliance; Vice President, China Wisdom Engineering Association

Experts and entrepreneurs will interpret industrial investment trends and share innovative cases of space technology applications.

14:00-14:10	Special Guest Remark Presenter: Zhang Jing'an*, Member of the International Eurasian Academy of Sciences, former Secretary General of the Chinese Ministry of Science and Technology
14:10-14:30	Keynote: Industry Development Guide - New Aerospace, New Industry Wang Xiaowei*, Researcher, China Academy of Launch Vehicle Technology; Young professional member, Commission III of International Academy of Astronautica
14:30-14:50	Prospective Fields for Innovative Technologies of Space Medicine Presenter:

*Note: The marked names are confirmed Presenters, and others are planned invitations. Please refer to the announcement by the Organizing Committee for the final agenda.

	V. Rusanov, Head of Laboratory to the Institute of Biomedical Problems of Russian Academy of Sciences A. Kussmaul, Deputy Head of Department to the Institute of Biomedical Problems of Russian Academy of Sciences
14:50-15:05	Commercial Aerospace Development and Investment Thinking Presenter: Fu Ruoyu*, Director, General Manager of Guohua Satellite Application Industry Fund
15:05-16:00	Panel Discussion: Innovation in Industrial Clusters - Exploring the Road of Economic Development in Smart Clusters Moderator: Wu Jiandong*, Director, Gridwise Alliance; Vice President, China Wisdom Engineering Association Members: Zhang Xing*, CEO, Beijing Gao Hua Securities Co., Ltd. Yu Liping*, Founding partner of Nanfeng Fund, Chair of Rothschild Group Greater China Cao Zhong*, Chairman of China High Tech Foundation Shao Nianqiang*, Deputy Director of Beijing City Development Research Institute Wu Jilin*, Director of the Science and Industry Development Working Committee, China Society for the Promotion of Science and Technology Commercialization, Chairman of Beijing Zhongyuan Defense Technology Co., Ltd. Qin Yanmei*, Dean of School of Finance, Canvard College, Beijing Technology and Business University Yang Hongmei*, Assistant President of TusHoldings, Senior Vice President of Tus-Tech City
16:00-16:10	Coffee Break
16:10-16:25	Presenter: Olivier Contant*, Founding Director of International Innovation Research Institute (IIRI)
16:25-16:40	Clinical-based Medical Innovation - AI Cases Study on Intelligent Healthcare Presenter: Qiaoxin*, Co-Founder, CEO, Deepwise
16:40-16:55	Application of Stainless-Steel Building in Anti-pandemic in Hospitals Presenter: Zhang Yue*, Chairman, President, BROAD Group
17:10-17:25	Exploration of the Development of China's Private Commercial Rockets Under the New Environment Presenter: Huo Jia*, Vice President, iSpace
17:25-17:40	Aerospace Revolution to Meet New World Challenges Presenter: Alain Fournier-Sicre*, President, AAA Group International, President, Founder, FAST-ER

*Note: The marked names are confirmed Presenters, and others are planned invitations. Please refer to the announcement by the Organizing Committee for the final agenda.

17:40-17:55	Mid InfraRed Fiber Coupled Based on Quantum Cascade Lasers and IR-Detectors for Space and Health Sensing in 1-16μm Range Presenter: Viacheslav Artyushenko*, Ph.D., President of art photonics GmbH in Berlin
-------------	--

Track 4: Space Education	
Time: 9:00-12:45 Beijing time, 19:00-22:45 (Nov. 18), Houston time, 1:00-4:45 London time, 2:00-5:45 Strasbourg time, 4:00-7:45 Moscow time	
Venue: Beijing Institute of Technology (BIT)	
Moderator: Li Ping, Director, Academic Affairs Department, Beijing Institute of Technology	
Educators will share space education programs, popular science activities, museums and so on. Scientists, astronauts, and business leaders will connect with and inspire young people.	
9:00-9:15	Remark by Wang Xiaofeng, Vice President of Beijing Institute of Technology Congratulatory letter from Qi Fazhen, Member of CAS Congratulatory letter from Long Lehao, Member of the Chinese Academy of Engineering
9:15-9:30	Presenter: Wang Xiaofeng, Vice President of Beijing Institute of Technology
9:30-9:45	Expanding Exchange and Cooperation in Space Education to Promote the Peaceful Uses of Space Technology Presenter: Weng Jingnong*, Director, Regional Centre for Space Science and Technology Education in Asia and the Pacific, RCSSTEAP (China) (Affiliated to the United Nations)
9:45-10:00	Expanding Exchange and Cooperation in Space Education to Promote the Peaceful Uses of Space Technology Presenter: Jean-Baptiste Desbois*, CEO, Cité de l'espace, Semecel
10:00-10:15	Application of Research Results on the Cultivation Pattern of Aerospace Talents in Middle School Education Presenter: Zhou Xiubin, Deputy Director, International Exchange Center, China Aerospace Science and Technology Corporation (CASC)
10:15-10:30	ISU and Space Education Presenter: Sun Gongling*, Professor, International Space University (ISU)
10:30-10:45	Educating the Next Generation of Space Engineers, Scientists and Entrepreneurs Presenter: David Alexander*, Director of Rice Space Institute, Professor of Physics and Astronomy, Rice University
10:45-11:00	Space Education Project Steve Eisenhart, Vice President of Space Foundation
11:00-11:15	Space Technologies in Russian Education: Challenges, Problems and Achievements

*Note: The marked names are confirmed Presenters, and others are planned invitations. Please refer to the announcement by the Organizing Committee for the final agenda.

	Presenter: Vitalii Afiani*, Advisor to Director of Archives of Russian Academy of Sciences
11:15-11:30	Inspire Young People to Explore Space Through Simulation Experience Presenter: Zhao Wei, Beijing Huanyu Zhenfei Aviation Technology
11:30-11:45	Educational Road in Field of Space Biology and Medicine: from School to PhD Presenters: L. Buravkova, Deputy Director to the Institute of Biomedical Problems of Russian Academy of Sciences A. Ratushnyy, Researcher to the Institute of Biomedical Problems of Russian Academy of Sciences M. Levinskih, Scientific Secretary to the Institute of Biomedical Problems of Russian Academy of Sciences
11:45-11:55	Coffee Break
11:55-12:05	Awards: Works of 2020 Youth Space Innovation Activity
12:05-12:45	Message from Astronauts Guests: Yang Liwei, Taikonaut Wang Yaping, Taikonaut US astronauts Cosmonauts
	Back to hotel

Track 5: Satellite Industry Development at Hainan Free Trade Port

Time: 9:00-12:00 Beijing time, 19:00-22:00 (Nov. 18), Houston time, 1:00-4:00 London time, 2:00-5:00 Strasbourg time, 4:00-7:00 Moscow time

Venue: Lecture Hall, Aerospace Information Research Institute Hainan, Chinese Academy of Sciences

Moderator: Yang Tianliang*, Executive President of Institute of Aerospace Information Hainan, CAS

Satellite related institutes will introduce Hainan satellite projects and the development prospects of local satellite industry.

9:00-9:10	Remark by Jean-Michel Contant, Secretary-General of IAA
9:10-9:20	Remark by (TBD)
9:20-9:40	Remark by Tian'ya District Mayor
9:40-10:00	Introduction of Aerospace Information Research Institute Hainan, CAS Presenter: Wu Yirong, Director of Institute of Aerospace IT, Member, CAS
10:00-10:20	Introduction of San'ya Remote Sensing IT Industrial Park Presenter: Yang Tianliang, Executive President of Institute of Aerospace Information Hainan, CAS
10:20-10:40	Introduction of Hainan Microsatellite Engineering Research Center

*Note: The marked names are confirmed Presenters, and others are planned invitations. Please refer to the announcement by the Organizing Committee for the final agenda.

	Presenter: Wang Lei, Deputy Director of San'ya ChinaRS Institute, Head of Hainan Microsatellite Engineering Research Center
10:40-11:20	IAA Expert's Report Song Zhengyu, Member of IAA, Deputy Chief Engineer, Aerospace Control, China Aerospace Science and Technology Corporation (CASC) Wang Jinnian, Member of IAA, Professor, School of Geographical Sciences, Guangzhou University
11:20-12:00	Discussion on Hainan Satellite Industry Liao Qiang, Inspector and Supervisor, Hainan Provincial Department of Industry and Information Technology
12:00-12:10	Summary Presenter: TBD
12:10-13:00	Lunch

Closing Ceremony	
Time: 21:00-22:00 Beijing Time, 7:00-8:00 Houston time, 13:00-14:00 London time, 14:00-15:00 Strasbourg time, 16:00-17:00 Moscow Time	
Venue: Ballroom, the Presidential Hotel	
Moderator: Wang Tianyi, Executive Chairman of IPSPACE 2020, IAA Member, Executive Chairman of the International Peace Alliance (Space)	
21:15-21:25	Initiative Yang Baohua, Deputy General Manager, China Aerospace Science and Technology Corporation (CASC), Vice Chairman of IAF
21:25-21:35	Launch Ceremony: International Innovation Research Institute (IIRI) Introduction of IIRI by Jean-Michel Contant, Secretary-General of IAA Participants: Lin Zongtang, Former Minister of China National Aerospace Industry Liu Jiyuan, Vice Chairman of IAA Wang Tianyi, Executive Chairman of IPSPACE 2020, IAA Member, Executive Chairman of the International Peace Alliance (Space) Jean-Michel Contant, Secretary General of IAA Neil Bush, Chairman of the George H. W. Bush Foundation for US-China Relations Yang Baohua, Vice Chairman of IAF Olivier Contant, Founding Director of International Innovation Research Institute (IIRI)
21:35-21:45	Launching Ceremony: International Youth Space Education Center

*Note: The marked names are confirmed Presenters, and others are planned invitations. Please refer to the announcement by the Organizing Committee for the final agenda.