



**7TH CSA/IAA CONFERENCE ON ADVANCED SPACE TECHNOLOGY**  
SPACE TECHNOLOGY INNOVATION AND SPACE COMMERCIALIZATION

23-24 NOVEMBER, 2017  
SHANGHAI, CHINA

**INTERNATIONAL ACADEMY OF ASTRONAUTICS**

**7th CSA-IAA Conference on  
Advanced Space Technology**  
Space Technology Innovation and Space Commercialization

**23-24 November 2017**

**Shanghai, China**

The Chinese Society of Astronautics (CSA) and the International Academy of Astronautics (IAA) have successfully co-organized International Conference on Space Technology Innovation for six times. The 7<sup>th</sup> conference will be held from November 23-24, 2017 in Shanghai, China. The conference will focus on the theme of how advanced space technology benefits human society, discuss related topics of space development, and further promote the international cooperation. It will attract space professionals from home and abroad. Plenary, technical sessions and technical visits will be arranged. The conference will cover the topics of satellite technology, satellite applications, commercialization of satellite applications, and international cooperation and policies. It will establish a platform of academic exchange for space professional all over the world, offer suggestions of sustainable development of space technology and space industry, and further expand the depth and breadth of space international academic exchange and cooperation.

## **ABSTRACTS:**

Please send your abstract to conference (at) iaamail.org

before **August 31st, 2017** deadline.

Abstract template is available on the conference website at <http://economic.iaaweb.org>

## **TOPICS:**

### **Session 1: Space System and Applications**

- (1) The Future of Space System
- (2) The Future of Space Application Technology
- (3) Technologies of Space Communications, Navigation, Remote Sensing and their Applications
- (4) Lifecycle Management and Maintenance of Spacecraft
- (5) Development of Small Satellite and Micro-Satellite, Including Small Satellite Platform, Formation Flight and Attitude Control
- (6) Propellant On-Orbit Storage and Filling
- (7) Energy Management in Space
- (8) Space Robotics
- (9) Space Payload and Electronic Devices
- (10) Space Propulsion
- (11) Spacecraft Control
- (12) Spacecraft Materials and Structure
- (13) Others

### **Session 2: Space Carrier and Launch**

- (1) The Future of Space Carrier, Including Reusable Launch Technology
- (2) Space Travel and Suborbital Spaceflight
- (3) Quick Response
- (4) Space Transportation
- (5) Space Launch and Ground-Based Facility
- (6) Space TT&C Technology
- (7) Space Materials and Structure
- (8) Thermal Protection Materials and Technology
- (9) Space Power and Propulsion System
- (10) Others

### **Session 3: Manned Spaceflight and Deep Space Exploration**

- (1) The Future of Deep Space Exploration
- (2) Space Station System and Related Technologies
- (3) Safety and Maintenance of Manned Spacecraft
- (4) Particle Radiation Hazard and Protection in Space
- (5) Psychological and Physiological Health of Astronauts in Space
- (6) Microgravity Science and Artificial Gravity
- (7) Ground-Based Simulation and Experimentation of Space Missions
- (8) Space Life Science
- (9) Development and Utilization of Space Resources, Including In-Situ Resource Utilization, Space Solar Energy, Space Minerals, etc.
- (10) Others

### **Session 4: Space Applications and International Cooperation**

- (1) Space Cooperation on “the Silk Road Economic Belt and the 21st-Century Maritime Silk Road”
- (2) The Role of Space Industry in Socio-Economic Development
- (3) Space Technology Development and International Cooperation
- (4) International Organization and Bilateral/Multilateral Cooperation Mechanism
- (5) International Cooperation Policy and Law
- (6) The Future of Space International Cooperation (Mars Exploration, Deep Space Exploration, Space Mineral Resources Utilization, Commercial Spaceflight, etc.)



### **REGISTRATION**

To register, please visit the conference website at

**<http://economic.iaaweb.org>**

## VENUE

Shanghai Jianguo Hotel (Add: No.439, Caoxi North Road, Shanghai, China)



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