

# **Call for Papers**

## **The 10<sup>th</sup> CSA-IAA Conference on Advanced Space Technology (Shanghai•China)**

13-16 September, 2023

### **AIM OF THE CONFERENCE**

International Academy of Astronautics, Chinese Society of Astronautics and Shanghai Academy of Spaceflight Technology will jointly hold the 10<sup>th</sup> CSA-IAA Conference on Advanced Space Technology (Shanghai•China) on 13-16 September, 2023. The conference will focus on the theme of "Space in Future", conduct in-depth discussions on space development, and further expand international cooperation in the field of space.

### **CONFERENCE VENUE**

Shanghai, China

### **CONFERENCE ORGANIZATION**

International Academy of Astronautics

Chinese Society of Astronautics

Shanghai Academy of Spaceflight Technology

## **TOPICS OF INTEREST**

### **1. Development and Prospect in Deep Space Exploration**

- 1) International Lunar Research Station
- 2) Planetary Exploration
- 3) Manned Lunar and manned Mars Exploration
- 4) Asteroid Defense

### **2. Directions of Space Transportation in Future**

- 1) Heavy Launch Vehicles
- 2) Reusable Delivery System
- 3) Non-polluting Form Spectrum of Rocket Development
- 4) In-orbit and Suborbital Flights
- 5) Commercial Launch Vehicle

### **3. New Trends, Breakthroughs of Satellite and its Applications**

- 1) Advanced Satellite Platform Technology
- 2) New Space Payload Technology
- 3) Satellite Application Technology

4) Micro Satellite Technology

5) Satellite Network Technology

6) On-orbit Maintenance and Space Debris Mitigation Technology

#### **4. Future Direction of Guidance, Navigation and Control**

1) Advanced Control Theory and Method

2) Spacecraft Intelligence/Navigation, Guidance and Control  
Technology

3) New Type of Sensor, Controller and Actuator Technology

4) Advanced Simulation and Experimental Techniques in  
Astronautic Control

5) Artificial Intelligence and it's Application in Astronautic Control

#### **5. Breakthrough Technology in Space Power System**

1) New Model of Efficient Conversion of Space Energy and in Situ  
Utilization

2) New Pattern of Spatial Multisource Dynamic Networking and  
Comprehensive, Efficient Management

3) New Technology of Energy Storage and Process Control in Dense  
Space

4) Innovation of Power Degradation Mechanism and Reinforce in Space

5) Innovative Combination of Intellectual and Power Technology

6) Other Advanced Power Related Technology

## **6. New Mode of Cooperation for Future Space Development**

1) Future International Cooperation in Space

2) Exploration and Utilization of Outer Space Resources

3) Building Outer Space Community with a Shared Future

### **ABSTRACT/FULL PAPER SUBMISSION**

1. Abstracts and full paper should be written in English and submitted to: <http://www.csiic.cn>

2. A typical abstract would be word format, no more than 500 words.

3. Papers accepted will be compiled into conference proceedings. We will recommend the best papers to be published in academic journals, such as *Shanghai Aerospace*, *Advances in Astronautics Science and Technology*, *Journal of Deep Space Exploration*, *ACTA Astronautica*.

## **IMPORTANT DATES**

July 10, 2023	Abstract Deadline
July 25, 2023	Author Notification
August 20, 2023	Full Paper Deadline
August 25, 2023	Early Registration Deadline
September 10, 2023	Registration Deadline

## **CONTACT**

LUO Yiwei      86-10-68768623      icca\_luoyiwei@163.com

ZHANG Sujia    86-21-24180565      sast\_csiic@163.com

### **For more information, please check:**

<http://www.csiic.cn> (Conference Official Website),

<http://www.csaspace.org.cn> (CSA Official Website),

<http://www.iaaspace.org> (IAA Official Website).