FIRST ANNOUNCEMENT and CALL FOR PAPERS

4th CSA-IAA Conference on Advanced Space Technology

Sept. 5 to 8, 2011

Shanghai, China

Organized by

Chinese Society of Astronautics (CSA)

International Academy of Astronautics (IAA)

AIM OF THE CONFERENCE

The Chinese Society of Astronautics (CSA) and the International Academy of Aeronautics (IAA) are pleased to hold jointly the 4th CSA-IAA Conference on Advanced Space Technology from Sept. 5 to 8, 2011. The conference would provide a forum for the presentation and discussion of the following topics to explore the application and development of advanced space technology under the theme of "Advanced Space Technology benefits for Humanity".

GENERAL CHAIRMAN

Prof. MA Xingrui (President of CSA)

Dr. Jean-Michel CONTANT (Secretary General of IAA)

CONFERENCE VENUE

The Conference will be held in Shanghai, China.

CONFERENCE LANGUAGE

English will be the working language of the Conference.

MAIN TOPICS

1. Applications of Communications Satellite

1.1 The Status and Prospect of Satellite Communications

1.2 Satellite Multimedia Communication

1.3 Satellite Mobile Communication Constellation

1.4 Small Satellite Communications

1.5 New Concepts and Technologies in Satellite Communications

1.6 Application of Satellite Communications in Remote Education and e-Learning

1.7 Application of Satellite Communications in Remote Medical Treatment and Telemedicine

1.8 Application of Satellite Communications in Disaster Management

2. Applications of Remote Sensing Satellite

2.1 Satellite Remote Sensing and Global Environment Protection
2.2 Application of Satellite Remote Sensing in Meteorological Observation and Atmospheric Exploration
2.3 Application of Satellite Remote Sensing for Climate Change
2.4 Applications of Satellite Remote Sensing in Marine Monitoring
2.5 Application of Satellite Remote Sensing for Desertification Monitoring and Water Conservancy
2.6 Application of Satellite Remote Sensing in Urban Planning and Rural Construction
2.7 Application of Satellite Remote Sensing in Disaster Management
2.8 Application of Satellite Remote Sensing for Earthquake Prediction
2.9 Satellite and Small Satellite Remote Sensing Technologies (Optical, Microwave, etc.)
2.10 Technologies for Satellite Remote Sensing Data Receiving, Processing, Fusion and distribution, etc.

3. Applications of Navigation Satellite

3.1 Applications of Satellite Navigation in Traffic Management
3.2 Applications of Satellite Navigation in Public Security and Emergencies
3.3 Applications of Satellite Navigation in Protection of Endangered Wild Animals and Plants
3.4 New Progress of GPS, GLONNAS, Galileo and Sino-European Cooperation
3.5 Applications of China's Compass Navigation Project
3.6 New Applications of Satellite Navigation, Positioning and Timing

4. Satellite and Launcher Technology

4.1 Spacecraft System, Satellite Platform, Payload
4.2 Space Transportation
4.3 Astrodynamics
4.4 Material and Structure
4.5 Space Power, Propulsion, Spacecraft Control
4.6 Launch Vehicle and Launching System
4.7 Small Satellite and Microsatellite in Disaster
4.8 Small Satellite and University Satellite for Capacity Building
4.9 High-Reliability, Long-Life time and Low-Cost Satellite

5. Space Policy and International Cooperation

5.1 International Cooperation in Satellites and Satellite Applications and New Projects
5.2 International Cooperation in Human Spaceflight
5.3 International Cooperation in Robotic Space Exploration
5.4 Cooperation between Developing Countries and Developed Countries
5.5 South-South Cooperation in Satellite Applications
5.6 Regional Cooperation in Satellite Applications
5.7 Policies and Laws on Satellites and Satellite Applications
5.8 The Related Policies and laws on Satellite Commercialization

6. Commercialization of Satellite Applications

6.1 The Commercial Operation of Satellite Applications and Applied Satellites
6.2 Commercial Satellite Applications in Disaster Management
6.3 Commercial Versus Free Data Access in Disaster Management
6.4 Satellite Applications and Regional Development
6.5Ground System Technology in Satellite Applications
6.6 Competition and Cooperation in Commercialization of Satellite Applications

ABSTRACTS

The abstract deadline is July 1st, 2011

Instructions for your abstract: Your abstract in English should be typewritten in single-space, one column, and should be of roughly one page (about 500 words). Please be with Word and PDF format files to the following email address before the deadline.

A technical visit to the Shanghai Academy of Spaceflight Technology will be organized during the conference.

Acceptance of paper and the further information will be sent in the end of June, 2011.

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For any updated information you are invited to check the following Web Sites:

http://iaaweb.org/content/view/447/608 **http://www.csaspace.org.cn/shanghai**

Shanghai

Shanghai is the most populous city in China. The city is located in eastern China, at the middle portion of the Chinese coast, and sits at the mouth of the Yangtze River. Due to its rapid growth in the last two decades, it has again become one of the world's leading cities, exerting influence over finance, commerce, fashion, and culture.

Shanghai Weather

September in Shanghai is sunny and fine. The average high temperature about 27/29, average low temperature about 19/21.

Travel to Shanghai

As one of the most popular tourist cities in China, Shanghai is known as the Paris of the east. It is full of fashion atmosphere everywhere. The famous tourist attractions such as the Bund, Nanjing Road, Yuyuan Garden, Jinmao Tower, the Oriental Pearl TV Tower, are well known and have never failed to amaze vistors.

Shanghai Academy of Spaceflight Technology

Shanghai Academy of Spaceflight Technology is mainly engaged in research of astronautical system such as launch vehicle, application satellite, manned spaceflight and deep-space exploration, space technology application and service. Shanghai Academy of Spaceflight Technology keeps pace with the times and contributes to the development of national economy and social progresses.