

International Symposium on Space Technology and Science

# 28<sup>th</sup> ISTS

## June 5 – 12, 2011

**Exploring Humans, Earth and Space**  
~ the quest begins in the island of peace Okinawa ~



Okinawa Convention Center  
Ginowan City, Okinawa, Japan

<http://www.oki-conven.jp/en/>



## Call for Papers

Synopsis: The 28th ISTS Organizing Committee and the Japan Society for Aeronautical and Space Sciences (JSASS) invite individuals of all nations interested in space-related activities to participate in this event. The Symposium will offer opportunities for all the participants to exchange information and views on a variety of technical and scientific topics as well as on the general status of national and international space programs.

Abstract submission on-line at <http://www.ists.or.jp/>

**Abstract Deadline: November 15, 2010**

Notification of Acceptance: **March 1, 2011** Paper Upload Deadline: **April 20, 2011**

Organized by ▶▶▶



Japan Society for Aeronautical and Space

# 28th International Symposium on Space Technology and Science (28<sup>th</sup> ISTS)

5-12 June 2011, Okinawa Convention Center, Okinawa Prefecture, Japan

# Call for Papers

Abstract submission on-line at <http://www.ists.or.jp/>

Abstract Deadline: November 15, 2010



## Synopsis

The 28th ISTS Organizing Committee and the Japan Society for Aeronautical and Space Sciences (JSASS) invite individuals of all nations interested in space-related activities to participate in this event. The Symposium will offer opportunities for all the participants to exchange information and views on a variety of technical and scientific topics as well as on the general status of national and international space programs.

## Venue

Once known as the Kingdom of the Ryukyus, Okinawa has long been capitalizing on its geographical situation between mainland Japan and the rest of Asia through active trade with China and Southeast Asia. Okinawa is the only region in Japan with a subtropical oceanic climate, and the island is warm all year round. Visitors to Okinawa are impressed by its unique exoticism, comprising a mixture of local and other Asian cultures. Okinawa's attractive environment and hospitality will make ISTS participants stand out from all others.

## Sessions

### National Space Program (NSP) Session (Plenary, invited papers)

Overview of the highlight activities of space-faring nations will be given.

### Organized Sessions (invited papers)

- o-1) Hybrid Rocket: A Safe and Green Space Propulsion Evolution
- o-2) Global Progress toward Solar Power Satellites (SPS)
- o-3) Venus Explorer "AKATSUKI"
- o-4) Solar Sail "IKAROS"
- o-5) Balloon Science and Engineering

### Panel Discussions (Plenary, invited speakers)

- Panel 1) Human Exploration in Space
- Panel 2) Oceanic Environment around Okinawa as seen from Space
- Panel 3) Lessons Learned: Return to Flight of Space Transportation Systems

### Technical Sessions

- a) Chemical Propulsion and Air-breathing Engines
- b) Electric and Advanced Propulsion
- c) Materials and Structures
- d) Astrodynamics, Navigation Guidance and Control
- e) Fluid Dynamics and Aerothermodynamics
- f) On-Orbit and Ground Support Systems
- g) Space Transportation
- h) Space Utilization Science and Technology
- j) Satellite Communications and Broadcasting
- k) Solar System Exploration and Scientific Research
- n) Earth Observation
- p) Space Life Science
- q) Space Power Systems
- r) Space Environment and Debris
- t) Systems Engineering and Information Technology
- u) Space Education and Outreach for the Benefit of All People
- v) Space Law, Policy and International Cooperation

## Student Session

Special prizes will be awarded for meritorious papers.

## Poster Session (Plenary)

## Registration Fee

Regular	
Early Registration	50,000 yen
On-site Registration	60,000 yen
Retired Person	10,000 yen
Student (Student ID Required)	5,000 yen
Accompanying Person	5,000 yen

Pre-registration will be electronically made on the web : Instruction and further information will be given in the second announcement. Participants who are not pre-registered will be unable to make a presentation in principle. Fees for regular, retired and student participants include On-site CD-ROM. Accompanying persons cannot attend any technical sessions.

## ISTS Web Paper Archives and On-Site CD-ROM

All the papers presented at the 28th ISTS will be open to public through the ISTS web site (ISTS Web Paper Archives) after the symposium.

<http://archive.ists.or.jp/>

They are also included in On-Site CD-ROM which will be distributed at the conference site.

## Journal Publication

The ISTS issue will be published in JSASS on-line journal "Aerospace Technology Japan." After the symposium, the editorial committee will review the presented papers whose authors have declared their submittals to the Journal.

## Important Dates

Online Abstract Submission Open	Sep.1, 2010
Deadline for Abstract	Nov. 15, 2010
Notification of Acceptance	
Second Announcement / Tentative Program	
Online Pre-registration Open	Mar. 1, 2011
Online Paper Submission Open	
Deadline for Paper Upload	Apr. 20, 2011

Note: The author, who has not uploaded the paper by the deadline, is NOT allowed to make a presentation under the "No Paper, No Presentation" policy.

For more information please visit <http://www.ists.or.jp/>