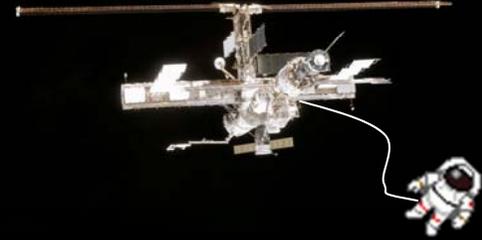




J U S T S A P

# Japan-U.S. Space Alliance



*Osamu Odawara, Tokyo Institute of Technology*

**The trade legislation of the USA called “*Super 301*” against Japan asked to open the market such as artificial satellites for practical applications of government programs**

**Space development activities between the USA and Japan have been based on the friendship and cooperation such with the development of the *INTELSAT* system**

A venue for a wide range of people-to-people communication where individuals from the industry, government and academia get together and exchange ideas and thoughts frankly and make it to serve as a safety valve

1990 - "Japan-US Cooperation in Space"

1995 - "Japan-US Science, Technology and Space Applications Program"



Professor Dr.B.Edelson

# JUSTSAP in Hawaii



Mr. T. Kuroda

*Meetings in Hawaii: geographical location in the middle of two capitals  
Strong support of Hawaii State in administrative and operational roles*



***The first meeting named as "Japan-US Cooperation in Space" (JUICS) was held at the East-West Center of Univ. Hawaii on Nov. 30 - Dec. 1, 1990.***

<b>1992</b>	<b>Hawaii island</b>	<b>1998</b>	<b>Oahu island</b>	<b>2004</b>	<b>Hawaii island</b>
<b>1993</b>	<b>Maui island</b>	<b>1999</b>	<b>Kauai island</b>	<b>2005</b>	<b>Oahu island</b>
<b>1994</b>	<b>Kauai island</b>	<b>2000</b>	<b>Hawaii island</b>	<b>2006</b>	<b>Hawaii island</b>
<b>1995</b>	<b>Maui island</b>	<b>2001</b>	<b>Hawaii island</b>	<b>2007</b>	<b>Hawaii island</b>
<b>1996</b>	<b>Oahu island</b>	<b>2002</b>	<b>Maui island</b>	<b>2008</b>	<b>Hawaii island</b>
<b>1997</b>	<b>Hawaii island</b>	<b>2003</b>	<b>Oahu island</b>	<b>2009</b>	<b>Hawaii island</b>

## **Japan-US Cooperation in Space (JUICS)**

*World Environment and Disaster Observation Satellite system  
Satellite Communication  
Small Satellite/Launcher and Infrastructure  
Space Technology Assistance Center*

## **JUSTSAP**

*to promote Japan-US cooperation for the benefit of human being  
to invite participation of those experts from the Asia-Pacific region*

*Disaster Management and Observation*

*Satellite Communication*

*Small Satellite Working Group*

*Micro-gravity Experiment Working Group*

*Science and Technology Coordination Working Group*

*Pacific International Space Center for Exploration Systems*

*Space-Based Energy Systems*

*Commercial Utilization of the International Space Station*

*Robotic Precursor Missions*

*Energy Independence*

*Space Commercialization Development*

*Earth Observation*

*Space Exploration*

# Disaster Management and Observation

- "*World Environment and Disaster Observation Satellite System*" proposal
- The joint symposium of "*Applications of Space Technology for Mitigating Disasters*" with the UN/CRD ranged from Asia to South America
- The collaboration of two Disaster centers: *Asian Disaster Research Center* and the *Pacific Disaster Center* headquartered at Ohau.

# Satellite Communications

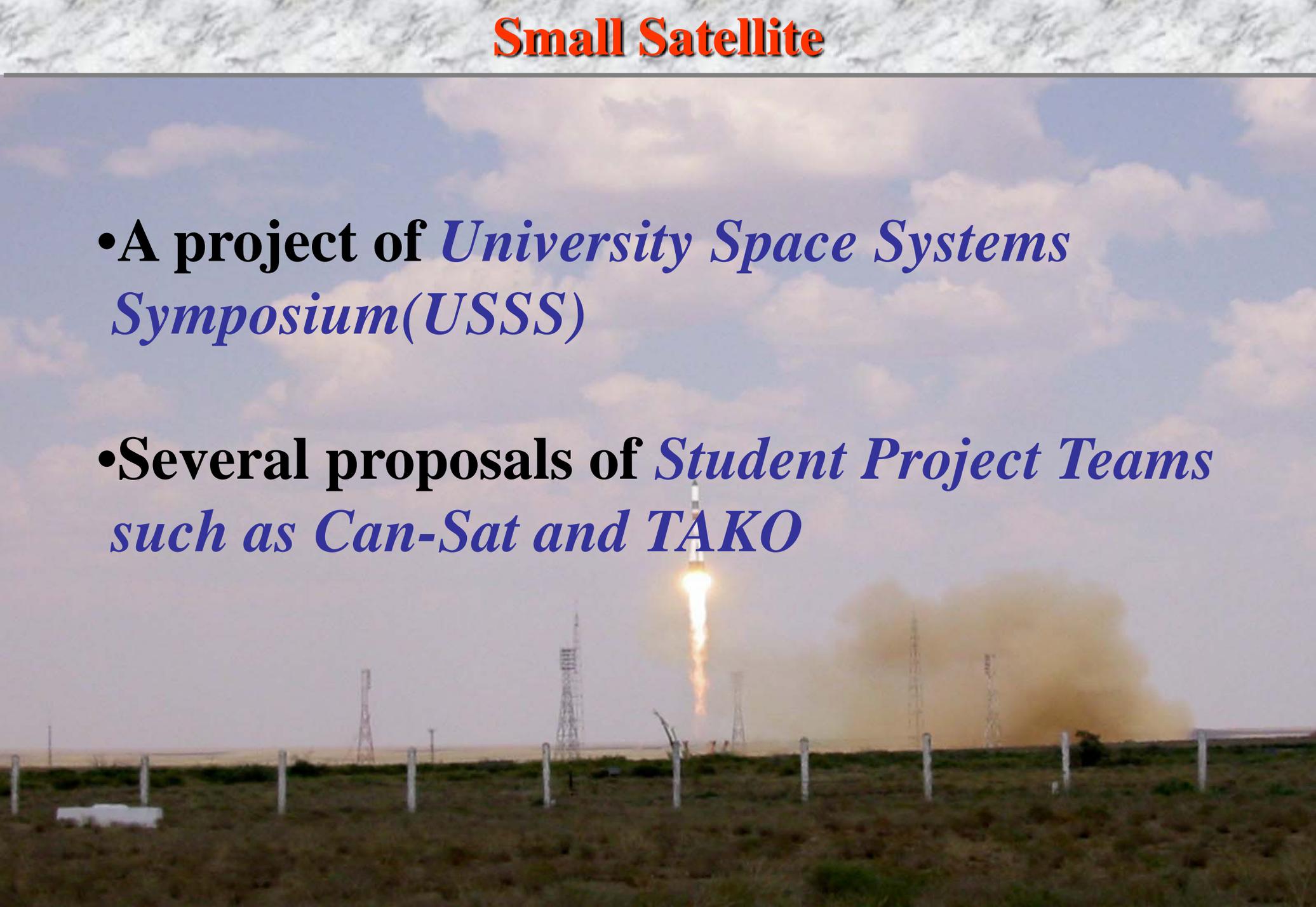
- To serve as a brain for *the Global Inter-operability of Broadband Network (GIBN)*



- The proposal of an "*Experiment of Post Production over the Pacific through a High Data Transmission Networks configured with Satellites and Terrestrial Fiber Optic Cable systems*"

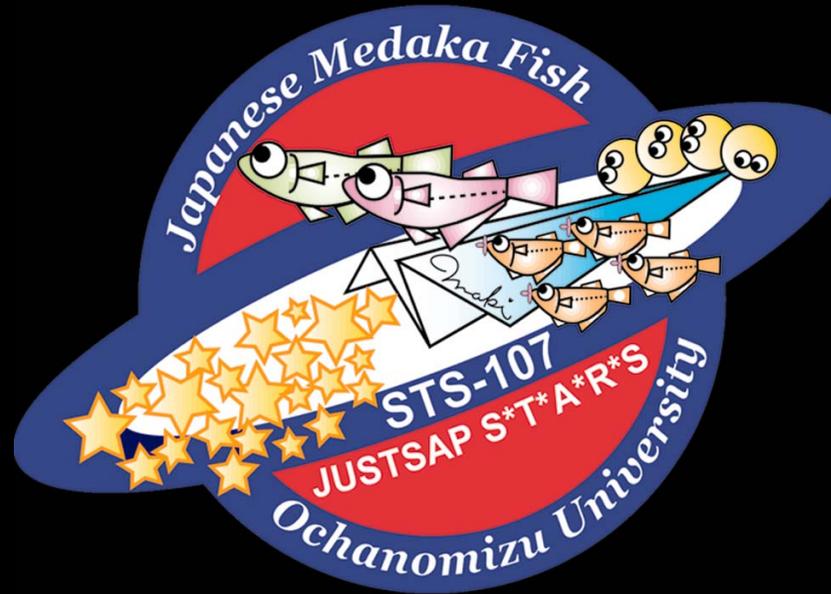
# Small Satellite

- A project of *University Space Systems Symposium (USSS)*
- Several proposals of *Student Project Teams* such as *Can-Sat* and *TAKO*



# Micro-gravity Experiment

- *JUSTSAP G-jitter experiment* performed at *STS-95* Space Shuttle mission

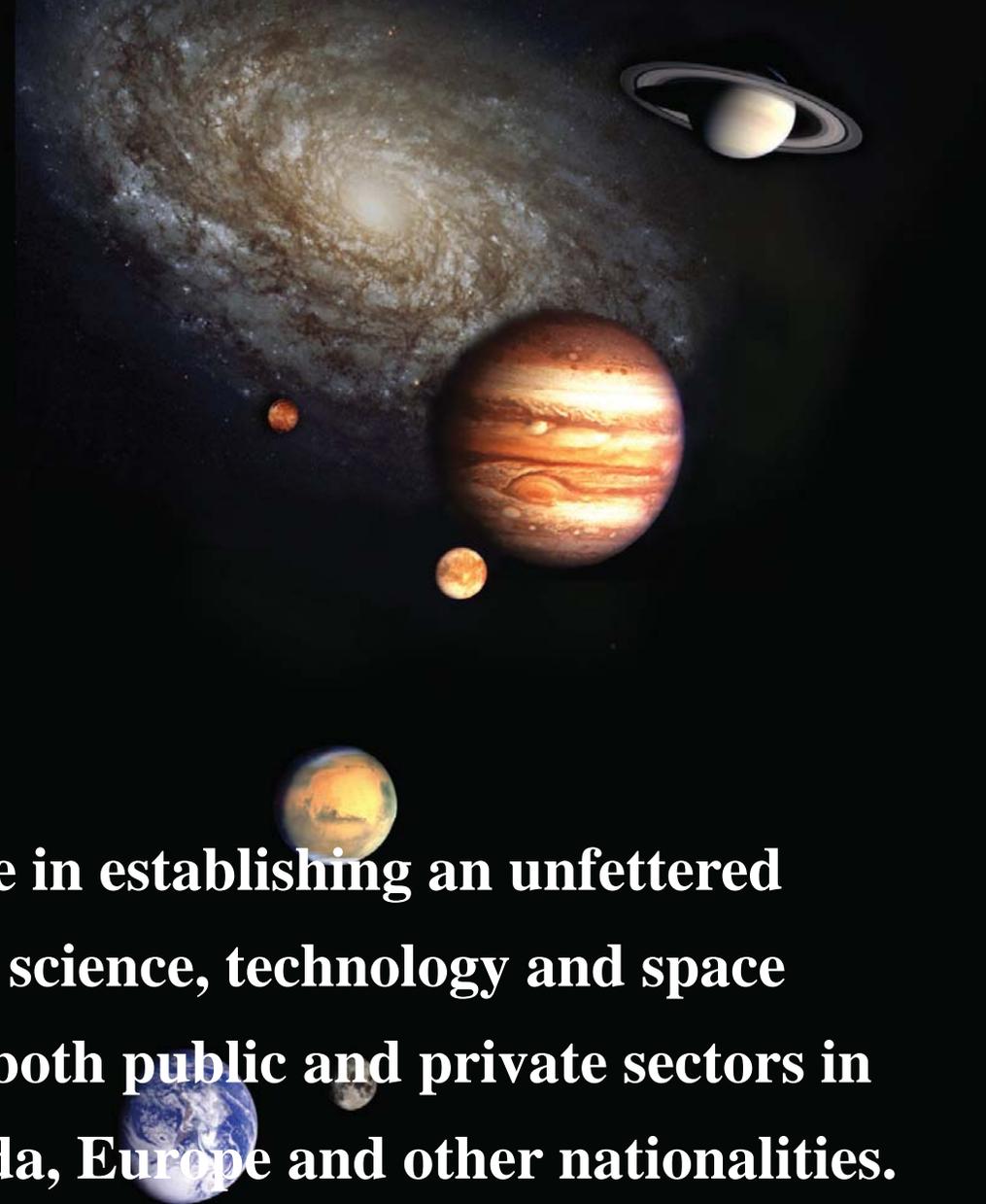


- *JUSTSAP\*STARS educational program* performed at *STS-107* Space Shuttle mission

# Mission Statement

- **Identify and promote greater cooperation between the U.S. and Japan in space application research**
- **Develop greater cooperation between Japan and the U.S. in planning for ISS microgravity utilization (i.e. minimize facility duplication)**
- **Promote greater recognition of the value of space applications and research facilities to U.S. and Japanese industries**
- **Promote general education and understanding in Japan and the U.S. through microgravity experiments**
- **Facilitate the exchange of knowledge between the U.S. and Japan about microgravity research and technology**

# JUSTSAP Future Course



**JUSTSAP has played a valuable role in establishing an unfettered international proposal group on the science, technology and space programs assembling experts from both public and private sectors in Japan and United States plus Canada, Europe and other nationalities.**