

1. Name of the reporter, affiliation, country

Mr. Michio Ozawa, Director, International Affairs, JSF, Japan

2. Name of the activity

"Workshop on Space Education in Japan and Future Issues"

3. Content of the activities

See the attached program and summary.

4. Period when the activity was conducted (Dates)

March 15, 2004

5. Target students (Elementary School, Junior High, or High School, University)

Graduate and Undergraduate Students

6. Place where the activity was conducted

National Museum of Emerging Science and Innovation (MeSci), Tokyo, Japan

7. Number of the attendees

About 100 participants (incl. 30 Univ. students)

8. Your comments on success of the activity

- (1) The speakers made their presentations in an easy way so as to make the floor participants understand them with a lot of familiar examples.
- (2) They responded to their questions honestly and kindly until the questioners could understand the answers.
- (3) There was a sense of closeness between the speakers and the floor participants.

Summary of the Workshop

On the current status of space education and educational cases in Japan, speeches were presented by the educators, students and researchers, expressing their own views.

At the panel discussion, useful exchanges of opinions between the panelists and the floor participants, mainly university students (undergraduate as well as graduate students) were taken place, and the followings are summaries of proposals:

1. Proposals from Students

- (1) To ensure a launch and orbital verification opportunity for students to stimulate their motivation of making mini-satellites, based on the fact that students can seldom make use of such opportunity in Japan,
- (2) To support student projects which intend to foster professional experts of the space sector in the near future,
- (3) To provide an opportunity of joining the space field to students who are from not only science and engineering departments, but also from the departments of law, economics, arts, and other humanities.
- (4) To provide a space-related opportunity to students who want to continue their relations

with space, or an opportunity of how to make them keep their interests in space.

2. Proposals from Educators

- (1) To provide to them an opportunity of hands-on education, which is likely to realize as a space agency,**
- (2) To inform to the public various space activities organized by students or universities through JAXA's homepage, which should be improved and strengthened,**
- (3) To provide an opportunity of sending them to the International Space University (ISU) and their supporting systems.**

3. JAXA's Perception

- (1) Efficient promotion of understanding towards the whole activities of space education performed by JAXA in its close cooperation with students and universities of strong information providing capacity,**
- (2) Importance of both developing an efficient space education program through its cooperation with them, and establishing its supporting system at an early date.**

Workshop on Space Education in Japan and Future Issues

Organized by : Japan Aerospace Exploration Agency (JAXA)

Supported by : International Space University (ISU)

◆◆Date and Venue◆◆

March 15, 2004 10:00-17:00

National Museum of Emerging Science and Innovation(MeSci), Tokyo, Japan

◆◆The purpose of this Workshop is to review the on-going Space educational programs from a viewpoint of both instructors and learners, and to identify their issues to be tackled in the future.

◆◆ Program ◆◆

MC: Mr. Shohei Honda, Executive Director, Japan Space Forum (JSF)

◆Morning Session

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| 10:00~10:10 | Opening Address | Mr.Kaoru Mamiya,
Vice President, JAXA |
| 10:10~10:50 | Key Note Speech : “Practical Space Education: Development of Pico-Satellites and UNISEC” | Associate Prof. Saburo Matsunaga
Laboratory for Space Systems
Tokyo Inst. of Technology |
| 10:50~11:20 | Speech “Space Science in JAXA” | Prof. Hisashi Hirabayashi
Research Division for Space Astrophysics, JAXA |
| 11:20~12:00 | Special Speech “Education in Space” | Dr. Chiaki Mukai,
Astronaut, JAXA |
| 12:00~12:20 | Q & A | |
| 12:20~13:30 | Lunch | |

Language :Japanese (Presentation of Dr. Peeters will be English. No Interpreter Service.)

【Afternoon Session】

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| 13:30~13:50 | Speech from Student “UNISON Activities” | Mr. Kyoichi Ui,
Laboratory for Space Systems,
Tokyo Inst. of Technology |
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