

Summary of the 13th Korea-Japan Joint Seminar on Space Environment Utilization Research

New dawn in Space Science

New approaches at Space Life Science Using Space Technology

October 25, 2016

Hokkaido University, Graduate School and School of Engineering
Kita 13, Nishi 8, Kita-ku, Sapporo, Hokkaido 060-8628, Japan

1. Opening Remarks

Professor Makoto ASASHIMA, as a representative of the organizer, delivered opening and welcome address, and encouraged the continuity of the research collaborations of Korea and Japan on Space Environment Utilization.

The seminar of this year was designed to be a series taking an opportunity of the 11th Asian Microgravity Symposium, and held at the same venue, Hokkaido University. Then, participants appreciated the contributions of Professor Osamu FUJITA of Hokkaido University who kindly provided logistic supports, including the venue as well as JAXA who hosted the seminar.

2. Perspectives

Perspectives of the seminar and microgravity research in both countries were reported by Co-Chairs; Professor Makoto ASASHIMA and Professor Inho CHOI respectively.

Japan decided to extend the operation of the Kibo Module on the International Space Station to 2024 through the establishment of the JP-US Open Platform Partnership Program, so called OP3. And participants recognized the importance of Asian cooperation on the ISS was increasing more and more.

3. Space Programs

Current status of the space programs, which were especially related to the International Space Station and further space explorations, was reported by Mr. Fumiaki TANIGAKI, JAXA. Towards further collaboration, JAXA has been accumulating various Kibo utilization outcomes, and would like to promote collaboration with other countries, especially in the Asia-Pacific region.

The KARI's presentation was cancelled because of the absence of Dr. Joohee LEE,

4. Discussions and Achievements of Research Collaborations

Microgravity research communities in both countries produced a steady flow of successful

results and progressed further in preparation of space experiments. It was recognized that Korea-Japan collaboration produced effective and useful data for future human exploration, which seems the next major space activity in post-ISS era.

5. Support Expectations to Space Agencies

The microgravity research communities in both countries understand about the absence of the KARI colleagues, and that it may have an influence on the Korea-Japan joint space experiment development of the ISS. However, we expect the continuous support of the Space Agencies in both countries.

6. Next Seminar

Participants will expect the next seminar to be held in Korea next year, and KARI, as a local host, to announce the date and the venue by the appropriate time.

Date:

Oct. 25, 2016

Signature:



Prof. Inho CHOI
Yonsei University

Date:

Oct. 25 2016

Signature:



Prof. Makoto ASASHIMA
Executive Vice-President
Tokyo University of Science

Appendix: Presentations & Participants

Presentations	Korea	Japan	Other
Opening and Welcome Remarks	N/A	1	N/A
Seminar Perspectives	1	1	N/A
Space Program Introduction	0	1	N/A
Combustion	2	1	N/A
Life Science, Molecular Biology & Biochemical Engineering (I)	1	2	N/A
Material Science	1	2	N/A
Life Science, Molecular Biology & Biochemical Engineering (II)	1	2	N/A
Closing Comment / Seminar Summary	1	1	N/A
Total	7	11	N/A
Participants	Korea	Japan	Other
Speakers (registered)	6	9	N/A
Other Participants (registered)	8	6	N/A
Observers (non-registered)	0	0	1*
Total	14	15	1

*: KAUST (Saudi-Arabia)