

Summary of the 15th Korea-Japan Joint Seminar **on Space Environment Utilization Research**

New Rise in Space Science - New Approaches and Collaborations

September 20-21, 2018

Graduate School of Life Sciences, Tohoku University
2-1-1 Katahira, Aoba-Ku, Sendai, Miyagi, Japan 980-8577

1. Opening Remarks

Prof. Makoto ASASHIMA, as a representative of the organizer, delivered opening and welcome address, and praised the long-term activity and efforts of this seminar since 2004.

The seminar of this year was designed as a joint event with the 32nd Annual Meeting of Japanese Society for Biological Sciences in Space, and held at the same venue, Tohoku University. Thus participants appreciated the contributions of Prof. Atsushi HIGASHITANI who supported in various ways this event, as well as JAXA who hosted the seminar.

JEM is operating for 10 years and we have a joint seminar of new rise in space science. We will have a collaborative space experiments with Korean and Japanese scientists.

2. Perspectives

Perspectives of the seminar in both countries were reported by Co-chairs. Professor Inho Choi and Professor Makoto Asashima.

Professor Choi presented details of our 15 years of fruitful results of joint Korea-Japan seminar.

Professor Asashima proposed “Toward a New Chapter” that is a new cooperative structure which is not only for two countries, but also for countries in Asia-Pacific region, such as AMS (Asian Microgravity Symposium) and APRSAF (Asia-Pacific Regional Space Agency Forum).

3. Space Programs

Current status of both countries were reported by Director Shiho Ogawa and Dr. Masaki SHIRAKAWA of JAXA and Dr. Gi-Hyuk CHOI of KARI respectively.

4. Science Sessions

- Life Sciences : 3 Korean and 6 Japanese presentations
- Material Sciences: 1 Korean and 1 Japanese presentations
- Combustion Sciences : 2 Korean and 2 Japanese Presentations
- Invited Lecture : 1 USA and 1 Turkish presentations

5. Summary and Discussions

“Toward a New Chapter”

For the past 15 years, the Korea-Japan Joint Seminar on Space Environment Utilization Research has acted an extraordinary role for sharing research documents and information among scientists of the two countries. There were more than 300 presentations for the past years in fields of life sciences, combustion, material science, fluid physics & chemistry, astrophysics, space utilization policies and so on. The scientific ties have been proliferated.

Both scientists from Korea and Japan agree that the 15 years of cooperation was very successful and it becomes the basement of next step cooperation.

Discussions and collaborations are to be continued much more in both Academia and Space Agencies in various ways. It was agreed to shift the Korea-Japan Joint Seminar to “Toward a New Chapter” to expand and strengthen the network of the two countries into the activities of the related microgravity science societies in each country, AMS, and APRSAF.

We will publish our 15 years fruitful results, records and good collaborations for keeping and remaining our efforts and friendship to next step.

Date: Sept. 21, 2018

Signature:



Professor Inho CHOI
Professor, Yonsei University

Date: Sept. 21, 2018

Signature:



Professor Makoto ASASHIMA,
Special Research Professor, Teikyo University
Professor Emeritus, The University of Tokyo

Appendix: Presentations & Participants

Presentations	Korea	Japan	Others
Opening and Welcome Remarks	-	1	-
Seminar Perspectives	1	1	-
Space Program Introduction	1	1	-
Life Science, Molecular Biology & Biochemical Engineering	3	6	-
Material Science	1	1	-
Combustion	2	2	-
Invited Lecture	-	-	2
Summary & Closing Comments	1	1	-
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Participants	Korea	Japan	Others
Speakers (registered)	8	11	2
Other Participants (registered)	3	26	-
Observers (non-registered)	-	13	2
Total	65		