

Workshop Schedule

Schedule

	sep.21(mon) am pm	sep.22(tue) am pm	sep.23(wed) am pm	sep.24(thu) am pm	sep.25(fri) am pm
Welcome Reception	■				
Opening Ceremony		■			
Oral Session		■			■
Exhibition		■			
Banquet				■	
Cultural Excursion				■	

Venue

Hotel Riviera Yuseong <http://www.hotelriviera.co.kr>



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2009 UN / NASA / ESA / JAXA Workshop on Basic Space Science and the International Heliophysical Year 2007 2009 UN BSS & IHY Workshop

September 21 ~ 25, 2009 Daejeon, Korea
<http://bssihy.kasi.re.kr>

International Scientific Organizing Committee

Al-Naimi, R.H., IRAQ
Al-Naimiy, H.M.K., UAE
Amory, C., FRANCE
Dal Lago, A., BRAZIL
Davila, J., USA
Georgieva, K., BULGARIA
Gopalswamy, N., USA [Co-Chair]
Han, W., KOREA [Co-Chair]
Hasan, S.S., INDIA
Haubold, H.J., AUSTRIA [Co-Chair]
Manoharan, P.K., INDIA
Matha, A.M., CANADA
Matsumoto, T., JAPAN
Park, Y.-D., KOREA [Co-Chair]
Rabiu, A.B., NIGERIA
Wang, C., CHINA
Yumoto, K., JAPAN

Local Organizing Committee

Baek, J.-H.
Byun, Y.-I.
Chae, J.
Cho, K. S.
Han, W. [Co-Chair]
Kim, C.-H.
Kim, Y. H.
Lee, J. J.
Moon, Y.-J.
Park, J.-H.
Park, Y.-D. [Co-Chair]
Yim, H.-S.



Contact Information

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United Nations Office for Outer Space Affairs
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International Heliophysical Year Secretariat
American Geophysical Union
2000 Florida, Ave. NW, Washington DC, 20009, USA
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Hosted by on behalf of Korean Government

Sponsored by

Welcome to the 2009 UN/NASA/ESA/JAXA workshop on BSS & IHY2007

It is our great pleasure to host you in Daejeon, Korea which is the hub of science and technology of our country, for 2009 UN/NASA/ESA/JAXA workshop on Basic Space Science & International Heliophysical Year 2007.

The United Nations, in cooperation with national and international space-related agencies and organizations, is organizing annually workshops on basic space science and the International Heliophysical Year 2007, particularly for the benefit of scientists and engineers from developing nations.

The United Nations Office for Outer Space Affairs, the European Space Agency, the National Aeronautics and Space Administration, Japan Aerospace Exploration Agency, Korea Astronomy and Space Science Institute (KASI) and the IHY secretariat will assist scientists and engineers from all over the world in undertaking research and education in basic space science and participating in the International Heliophysical Year 2007. Information on the International Heliophysical Year 2007 is available on the website <http://ihy2007.org>.

This workshop has been endorsed by the United Nations General Assembly as part of the 2009 activities of the program of the United Nations Office for Outer Space Affairs.

An important feature of the workshop is introducing data bases and relevant software tools that can promote space science activities. There have been enormous numbers of space missions that have been accumulating large data bases of scientific data. Similarly, long-term data bases are available from ground based observations. These data can be utilized in many ways for understanding the heliophysical and space physical processes. One of the goals of the workshop is to identify such data bases and make them available to the world community with necessary software tools so that scientists from developing countries can benefit from them.

We welcome and hope you enjoy the conference and that your participation contributes to your professional development and relationships.

LOC Co-chair



Young-deuk Park *Youngdeuk Park*



Wonyong Han *Wonyong Han*

Basic space science workshop

The United Nations programme on space applications, since its inauguration in 1971, has made an effort in furthering knowledge and experience of space applications around the world. Provision of in-country capacity-building, education, research and development support and technical advisory services by the programme have all helped to create conditions under which the developing countries have started to benefit also from some of the progress made in the basic space science by the - at that time - still very small number of developed countries actively involved in space. Only in the late 1980's, discussions among developing countries, the United Nations and the European Space Agency (ESA) identified the possible need and importance to support the growth of small research groups in universities and research establishments in the developing countries in the field of astronomy and space science. This led to the holding of the UN/ESA workshops on basic space science on an annual basis in the different regions: Asia and the Pacific, Latin America and the Caribbean, Africa, Western Asia, and Europe.

Korea and the workshop

In 2000, the KASI (Korea Astronomy & Space Science Institute) has started to NEOPAT (Near Earth Object Patrol) programme for detecting moving objects near earth space by developing small robotic telescopes in the southern hemisphere. Since 2001, the Republic of Korea has been actively involved in the international cooperation regarding NEO issues in OECD global science forum and the UN COPUOS.

Main topics on basic space science

- Fundamental physics
- Astronomy and astrophysics
- Solar-terrestrial interaction and its influence on terrestrial climate
- Planetary and atmospheric studies
- Origin of life and exo-biology
- Observational research activities with small telescopes

International Heliophysical Year (IHY) 2007

In 2007, fifty years on from IGY (International Geophysical Year 1957), scientists and engineers from all 191 members states of the United Nations will participate in an international coordinated observation campaign on fundamental global questions of earth and space sciences. The IHY will provide a unique opportunity to coordinate observations from the current impressive fleet of international space missions, with data from ground-based observatories. The resulting data will allow global studies of the complete heliophysical system.

Objectives of IHY 2007

- Advancing our understanding of the heliophysical processes that govern the Sun, Earth and heliosphere
- Continuing the tradition of international research and advancing the legacy on the 50th anniversary of the International Geophysical Year
- Demonstrating the beauty, relevance and significance of space and earth science to the world

Main topics on IHY 2007

- Solar physics
- Planetary magnetospheres
- Heliosphere and cosmic rays
- Planetary ionospheres, thermospheres and mesospheres
- Climate studies
- Meteors and meteoroids
- Space weather modeling

