

International Space Weather initiative (ISWI)

UN/NASA/JAXA Workshop

November 6-10, 2010, Luxor, Egypt

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UNITED NATIONS OFFICE AT VIENNA OFFICE DES NATIONS UNIES A VIENNE

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SUBMISSION DEADLINE IS 01 SEPT 2010. PLEASE NOTE ON YOUR CALENDAR.

UN/NASA/JAXA Workshop on
the International Space Weather Initiative
hosted by the Egyptian Academy of Sciences
on behalf of the Government of Egypt
(06–10 November 2010, Luxor, Egypt)



ANNOUNCEMENT

1. Background of the Workshop

The International Space Weather Initiative (ISWI) is an international programme of scientific collaboration to understand the external drivers of space weather and continues to implement the United Nations Basic Space Science Initiative (UNBSSI). Space weather is the conditions on the Sun and in the solar wind, magnetosphere, ionosphere and thermosphere that can influence the performance and reliability of space-borne and ground-based

technological systems and can endanger human life or health. One of the major thrusts of the ISWI is to deploy arrays of small instruments such as magnetometers, radio antennas, GPS receivers, all-sky cameras, particle detectors, etc. around the world to provide global measurements of heliospheric phenomena. Scientists from approximately 70 countries now participate in the instrument operation, data collection, analysis, and publication of scientific results, working at the forefront of science research.

The purpose of this workshop is to continue the scientific study of universal processes in the solar system that affect space weather and the terrestrial environment, and to continue to coordinate the deployment and operation of new and existing instrument arrays aimed at understanding the impacts of Space Weather on Earth and the near-Earth environment. This workshop provides an excellent opportunity for potential instrument providers to engage collaborators from specific geographical locations, and to broaden the coverage of existing instrument arrays.

The 2010 UN/NASA/JAXA Workshop will be the first of ISWI workshops. The Workshop has been endorsed by the United Nations General Assembly as part of the 2010 activities of the United Nations Programme on Space Applications, implemented by the UN Office for Outer Space Affairs.

2. Key Dates for the Workshop

01 September 2010	Deadline for Applications
01 October 2010	Notification to Authors
01 October 2010	Registration
06-10 November 2010	Workshop

3. Local Organizer of the Workshop

Egyptian Academy of Sciences

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4. Venue of the Workshop

The workshop will be held in Luxor, Egypt.

5. Programme of the Workshop

During the workshop, both plenary and parallel sessions are foreseen, and additional working group sessions will be held to assess the past achievements and develop future activities. The scientific sessions will start with a number of tutorial lectures to introduce the broad scope of ISWI.

The workshop will be structured around the following topics:

1. Access to data of the Sun–Earth system from ground–based and space–borne facilities through data archives and virtual observatories.

An important feature of the workshop is introducing data bases and relevant software tools that can promote space science activities. There have been enormous number of space missions that have been accumulating large amounts of scientific data. Similarly, long–term data bases are available from ground based observations. These data can be utilized in ways different from originally intended for understanding the heliophysical 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.

2–The scientific sessions of the Workshop will emphasize on the progress in the development of the basic science of heliophysics and in our understanding of the heliophysical processes that govern the Sun, Earth and heliosphere. Papers are welcome in all disciplines included in ISWI's scientific activities:

- Solar Physics
- Planetary Magnetospheres

- Heliosphere and Cosmic Rays
- Planetary Ionospheres, Thermospheres and Mesospheres, and Upper Atmospheres
- Climate Studies
- Heliobiology

Authors should state clearly for which programme topic the paper is intended. Contributions that highlight interdisciplinary issues are particularly encouraged. Poster sessions will be organized for the duration of the workshop. Authors are also requested to include with their submission a short, not longer than half-a-page, biography. These will serve as the presenter's introduction prior to the session in the workshop.

Abstracts of no more than 600 words must be headed by the (i) Title, (ii) Author(s) Name(s), (iii) Institutional Affiliation(s), and (iv) Email Address(s). Abstracts must be submitted BOTH through the online submission form at <http://>, and in electronic format to Ms. Ayoni Oyenehin, United Nations Office for Outer Space Affairs, e-mail: Ayoni.Oyenehin@unvienna.org

6. Selection of Participants

Participants will be selected by the co-sponsors of the workshop, through the Local Organizing Committee and the International Scientific Organizing Committee, on a competitive basis from those who meet the qualifications provided in the Application Form.

7. Financial Arrangements

Within the limited funds available to the co-sponsors, a number of selected participants from developing countries and countries with economies in transition will be offered financial support to attend the workshop. Funded participants will be provided with a round-trip air ticket between their international airport of departure to Luxor, Egypt, and/or full board in Luxor. Any cost associated with en-route expenses or any changes made to the air ticket must be borne by the participants.

8. Language of the Workshop

English will be the working language for the workshop.

Additional information will be provided in subsequent meeting announcements.

Administrator

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