

Proposal of the 1st ISWI workshop: UN-NASA Workshop on the International Space Weather Initiative

“The science results from existing and future distributed observatories, and their applications for the prediction of Space Weather.”

Luxor –Egypt, November 6-10, 2010

1. Title of the meetings:

UN-NASA Workshop on the International Space Weather Initiative

2. Venue and dates

Luxor – Egypt, November 6-10, 2010

The Venue of the Congress will be In Luxor, Luxor has often been called the worlds greatest open air museum, for more details:

<http://www.luxorguide.com>

3. The Symposium language: English

4. Primary sponsors: UNBSS - ESA-NASA-JAXA- ICTP- Egyptian Academy of Science - Cairo University

Others can be co-sponsors: IUGG, IAU, etc

5. Congress URL: <http://unnasa.cu.edu.eg>

6. Estimated number of participants: about 200 participants

7. Scientific focus of and objectives of the proposed congress:

This Congress is the sixth one for UNBSS. The aim of the Congress is to keep the initial momentum of moving Space Science, Earth Science, Solar Physics and related topics forward all over the world, in order that they might share their latest research, a momentum that will be produced by this congress.

The presentations and discussions at Congress also focuses on identifying the highest priority needs for operational services that can guide future researches and identifying new high-value capabilities that can be transitioned into operations.

The symposium focuses on the fundamental problems of Earth-Space Sciences and related topics, and its related physical effects on the Earth, atmosphere, Space Environment and the scientific contribution from existing and future distributed observatories.

8. Proposed primary Programme:

The suggested Preliminary Scientific Program will aim to address 3 main subjects: Solar-terrestrial interactions, Solar physics, and space environment.

The hot topics: IHY instrument array workshop – Follow-on IHY researches, results and activities - Solar activities and space environments interaction - results from solar and space missions – Solar & Heliosphere activities relationship – Biosphere and space weather interaction

The symposium will be divided into 8 sessions, as follows:

Session 1: Solar activities and space environment interaction.

Session 2: Magnetosphere & ionosphere evolutions and the trapped particles.

Session 3: New results from solar and Space missions.

Session 4: Geophysical change & Solar-Heliosphere activities relationship.

Session 5: Biosphere and Space Weather interaction.

Session 6: Follow-on to IHY Researches, results and activities.

Session 7: Space Science Researches & Education and Public Outreach, the International Year of Astronomy (IYA2009).

Session 8: ISWI and international scientific cooperation in the study of Heliophysical phenomena now and in the future, Closing Session, and Final recommendation.

9. Level of support requested from UN, NASA, etc.:

10. Suggested International Scientific Organizing Committee (ISOC)

Davila, J. USA [Co-Chair]

Hady A. Egypt [Co-Chair]

Haubold, H.J., AUSTRIA [Co-Chair]

etc.

11. Suggested Invited Speakers:

Ester Antonucci (Italy) – Paul Baki (Kenya) - S.D. Bale (USA)- Nat Gopalswamy (USA) - Ahmed Hady, arnold.hanslmeier (Austria) - Serge Koutchmy (France) - Klein Karl-Ludwig (France)- C. Amory-Mazaudier (France), Franco Porcelli (Italy) – Jingxiu Wang (China) - David Webb (USA) - Zoran Mikić (USA) - Sami Solanki (Germany)- Marco Velli (Italy) - Claire foulon (UK) - etc.

12. Contact persons:

1- Dr. Davila, J. USA [Co-Chair]
NASA-Goddard Space Flight Center
Code 671
Greenbelt, MD 20771 USA
Joseph.M.Davila@nasa.gov
Fax: 301-286-1617
Mobile: 240 421 2600

2- Dr. Hady A. A. , Egypt [Co-Chair]
Address: Dept. of Astronomy and Meteorology, Faculty of Science, Cairo
University , 12613 Giza, Cairo, Egypt
aahady@cu.edu.eg or aahady@yahoo.com
Fax:00202373435588,
Mobile :00201018333361

3- Dr. Haubold, H.J., UN [Co-Chair]

13. Proceedings: (editor and date of issue):

Date of the issue is 9 months after Congress.

14. Timeliness, the history of the Workshop:

Draft Program

Saturday : November 6 , 2010

15:00 - 19:00 Registration

Sunday: November 7, 2010

8:00 - 9:00 Registration

Session 1: Solar activities and space environment interaction.

Session Chairs: ---

9:00 – 09:30 Invited

09:30-10:00 Invited

10: 00- 10:45 Contributed talks (S1)

10:45 -11:15 Coffee Break & Registration

11:15-11:45 Invited

11:45-11:15 Invited

11:50 -13:00 Contributed talks (S1)

13:00 14:30 Lunch & Registration

Session 2: Magnetosphere & ionosphere evolutions and the trapped particles.

Session Chairs:

14:30–15:00 Invited

15:00–15:30 invited

15:30-16:30 Contributed talks (S2)

17:00-19:00 The Opening ceremony

Monday: November 8, 2010

Session 3: New results from solar and Space missions.

Session Chairs:

09:0–09:30 Invited

09:30-10:00 Invited

10:00-10:30 Invited

10:30 -11:00 Coffee Breaks

Session 4: Geophysical change & Solar-Heliosphere activities relationship.

Session Chairs:

11:00-11:30 Invited
11:30-12:00 Invited
12:00-12:45 Contributed talks (S4)

12:45 -13:15 Lunch & Poster Viewing
13:30 - Execution

Tuesday: November 9, 2010

Session 5: Biosphere and Space Weather interaction.

Session Chairs:

9:00 – 09:30 Invited
09:30-10:00 Invited
10: 00- 10:45 Contributed talks (S5)
10:45 -11:15 Coffee Break & Registration
11:15 - 11:45 Invited
11:45 - 11:15 Invited
11:50 -13:00 Contributed talks (S5)
13:00 - 14:30 Lunch & Registration

Session 6: ISWI latest Researches, results and activities.

Session Chairs:

14:30–15:00 Invited
15:00–15:30 invited
15:30-16:30 Contributed talks (S)

17:00 - gala dinner

Wednesday: November 10, 2010

Session 7: Space Science Researches & Education and Public Outreach, the International Year of Astronomy (IYA2009).

Session Chairs:

09:00–09:30 Invited

09:30–10:00 invited
10:00-10:30 Contributed talks (S6)

10:30 -10:45 Coffee Break & Registration

Session 8: ISWI and international scientific cooperation in the study of Heliophysical phenomena, now and in the future. Closing Session and Final recommendation.

Session Chairs: all Co-Chairs.

10:45 - 11:15 Invited
11:55 - 11:45 Invited
11:45 -12:15 Contributed talks (S8)
12:15 -13:15 **Closing Session, and Final recommendation.**

14:15 - Execution

Back to Cairo

Thursday: November 11, 2010

Cairo Execution (Pyramids Area & Sound and lightshow)

Friday: November 12, 2010

Cairo Execution (Egyptian Museum, Castle and old city centre)

15 . To the 2nd ISWI workshop at Nigeria