SCOSTEP–WDS Workshop on ‘Global Data Activities for the Study of Solar–Terrestrial Variability’

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Place: National Institute of Information and Communications Technology (NICT), Tokyo, Japan

Website: http://isds.nict.go.jp/scostep-wds.2015.org/

Contact Point: contact-scostep-wds@icsu-wds.org

Principal Sponsors:

• Scientific Committee on Solar–Terrestrial Physics (SCOSTEP): http://www.yorku.ca/scostep/
• ICSU World Data System (ICSU-WDS): https://www.icsu-wds.org/

Scope of the Workshop

The principal objective of this joint SCOSTEP-WDS workshop is to stimulate interaction among data providers (data centres, data networks, etc.), data scientists, and data-oriented researchers. SCOSTEP’s current program VarSITI (Variability of the Sun and Its Terrestrial Impact, http://www.varsiti.org/) will strive for international collaboration in data analysis, modelling, and theory to understand how the solar variability affects the Earth’s environment in a vast range of time scales, from seconds to billions of years. Long-term preservation and provision of quality-assessed data and information are common objectives for SCOSTEP and WDS. Development of advanced data systems to enable scientists to perform multidisciplinary data-analysis is another common target. This workshop will be a remarkable opportunity to initiate close collaboration between SCOSTEP and WDS to promote our data-oriented activities by introducing state-of-the-art information technology. Principal topics of the workshop are:

• Application of information technology to mutual data activities
• Data systems for VarSITI (data centres, data networks, data analysis systems, etc.)
• Data analysis (VarSITI Campaign Intervals and others)
• Data-oriented collaborations between SCOSTEP and WDS.

Special Event Study

In the planned Data Analysis session mentioned above, we have blocked a timeslot to perform ‘online’ data analyses of the solar–terrestrial phenomena observed in the interval around the ‘St. Patrick’s Day’ geomagnetic storm (17 March 2015). A partial halo Coronal Mass Ejection was observed on 15 March 2015, in association with a C9.1/1F flare (S22W25) and II/IV radio bursts. A super geomagnetic storm commenced at 04:45 UTC on 17 March (Kakioka), and the Dst reached its minimum value (-228 nT) at around 00:00 UTC on 18 March (WDC for Geomagnetism, Kyoto). This geomagnetic storm is the largest one in the current solar cycle. Presentations on data analyses of this solar–terrestrial event are welcomed. To stimulate collaborative data analysis of this event, the Local Organizing Committee (LOC) will prepare an environment to enable online access to relevant data through the collaborations of VarSITI participants in Japan. Further information on this event will be posted on the Workshop website.

Workshop Information

The Workshop website has been updated to include registration, abstract submission, and accommodation pages. Information on these important items are given below, but please visit the website for more details.

Registration

Please use the registration form posted on the Workshop website, and submit it to the ‘contact point’ as an attached file. The registration deadline is 15 September 2015. Although onsite registration will be accepted, we ask that all participants submit the form in advance to eliminate additional paperwork at the registration desk. No registration fee is required.

Abstract Submission

The abstract format is a ‘one-pager’ that may include figures or tables, in addition to the main text of less than 600 words (a WORD template can be found on the Abstract Submission webpage). All figures will be reproduced monochromatically in the workshop booklet to be distributed to the participants. Please submit the abstract as an e-mail attachment to the ‘contact point’ of the Workshop by 1 August 2015. All submitted abstracts will be peer reviewed.
Accommodation

For overseas participants, we have reserved a block of rooms (single and non-smoking) in Hotel Mets Kokubunji (http://www.jrhotelgroup.com/eng/code/codeeng123.htm). This hotel is located within walking distance of NICT (public bus services are also available). A hotel reservation form, which is posted on the Workshop website, should be sent to the ‘contact point’, not to the hotel. Although the deadline for hotel reservations has been set as 31 August 2015, we strongly recommend that you make a reservation as early as possible. For domestic participants, please see the hotel information posted on the Accommodation webpage.

Inquiries on this Workshop should be addressed to:

- contact-scostep-wds@icsu-wds.org