Second VarSITI General Symposium (VarSITI-2017)

Dates: 10-15 July 2017 (Student Tutorial Session on 9 July 2017)
Place: Irkutsk, Russia

Description:
Variability of the Sun and Its Terrestrial Impact (VarSITI) is the current scientific program of SCOSTEP (Scientific Committee on Solar-Terrestrial Physics) for the period 2014-2018 (http://www.varsiti.org/). VarSITI focuses on the recent and expected future solar activity and its consequences for the Earth, over various time scales from thousands of years to milliseconds, and at various locations from the solar interior to the Earth's atmosphere. In particular, VarSITI focuses on the interconnections in the Sun-Earth system. Four scientific projects are being carried out under VarSITI: (1) Solar Evolution and Extrema (SEE), (2) International Study of Earth-Affecting Solar Transients (ISEST/MiniMax24), (3) Specification and Prediction of the Coupled Inner-Magnetospheric Environment (SPeCIMEN), and (4) Role Of the Sun and the Middle atmosphere/thermosphere/ionosphere In Climate (ROSMIC). Data from relevant space- and ground-based missions will be utilized in combination with theory and modeling efforts to facilitate the implementation of these projects.

The second VarSITI General Symposium in 2017 (VarSITI-2017) will overview the progress of various activities in the four projects at the fourth year of this program, especially to promote the interconnection among these projects. We will have topical sessions of 1) Solar and heliospheric drivers of earth-affecting events, 2) Long-term variation of the sun, geomagnetic activity, and climate, 3) Coupling between the Earth's atmosphere and space and its relation to quiet and active Sun, 4) Understanding the earth's space environment and its connection to space weather, 5) Sun to Earth campaign event study, 6) Atmospheric response to solar variability and modulation of its impact on timescales from minutes to decades, and 7) Data archiving and analysis tools. Ample opportunity will be given for discussions on new results. In addition, a student tutorial session on Space Weather will be held on Sunday, 9 July 2017, in collaboration between CCMC and VarSITI.

Important Deadlines:
Abstract submission and financial support application: 28 February 2017
Final registration: May 1, 2017

Science Organizing Committee:
Jacob Bortnik, Dept. of Atmospheric and Oceanic Sciences, UCLA, USA
Katya Georgieva, Space Research and Technologies Institute (SRTI), Bulgaria (co-chair)
Nat Gopalswamy, NASA/GSFC, USA
Shrikanth Kanekal, NASA/GSFC, USA
Petra Knizova, Institute of Atmospheric Physics, Czech Republic
Alexei Krivolutsky, Central Aerological Observatory, Russia
Vladimir Kuznetsov, IZMIRAN, Russia
Franz–Josef Lübken, Leibniz-Institute of Atmospheric Physics, Kühlungsborn, Germany
Petrus Martens, Georgia State Univ., USA
Andrey Medvedev, Institute of Solar-Terrestrial Physics, Russia
Yoshizumi Miyoshi, ISEE, Nagoya Univ., Japan
Igor Mokhov, A.M.Obukhov Institute of Atmospheric Physics, Russia
Valery Nakariakov, Warwick Univ., UK
Dibyendu Nandi, IISER, Kolkata, India
Vladimir Obridko, IZMIRAN, Russia

Anatoly Petrukovich, Space Research Institute, Russia
Craig Rodger, Univ. of Otago, New Zealand
Annika Seppälä, Finnish Meteorological Institute, Finland
Kazuo Shiokawa, ISEE, Nagoya Univ., Japan (co-chair)
Manuela Temmer, Univ. of Graz, Austria
William Ward, Univ. of New Brunswick, Canada
Takashi Watanabe, World Data System-International Programme Office, NICT, Japan
Jie Zhang, George Mason Univ., USA
Geliy Zherebtsov, Institute of Solar-Terrestrial Physics, Russia

Local Organizing Committee from the Institute of Solar-Terrestrial Physics (ISTP), Russia
Vladimir Kurkin (Chair), Robert Sych (Co-Chair), Dmitry Klimushkin, Konstantin Ratovsky, Larisa Kashapova, Irina Medvedeva, Alexander Kulikov, Ekaterina Korzhova, and Marina Chernigovskaya

Special Issue:
A special issue based on VarSITI-2017 presentations will be published in an international peer-reviewed journal (TBD)