

SCIENTIFIC COMMITTEE ON SOLAR-TERRESTRIAL PHYSICS

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Request for Information: Future Directions in Solar Terrestrial Physics

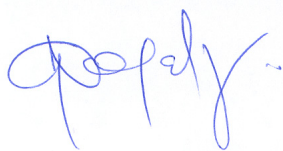
SCOSTEP has initiated an effort to develop community consensus in defining its future activities based on surveys of (i) current status, (ii) knowledge gap, (iii) future directions in observations and modeling to fill the gaps. As a first step, a COSPAR-SCOSTEP Joint Session on Solar Terrestrial Physics has been organized during the 41st COSPAR scientific assembly in Istanbul on two days (August 5-6, 2016). SCOSTEP scientific discipline representatives (SDRs), COSPAR Main Scientific Organizers (MSOs) and SCOSTEP/VarSITI leaders will be official delegates to this joint session and contribute to the discussion. All participants of the COSPAR scientific assembly are also invited to attend the session.

SCOSTEP solicits input from the community on the key issues that need to be addressed in making progress in solar terrestrial physics. In particular, the community is requested to send their input to the following invited speakers, who will incorporate the community input in preparing their presentations.

Solar Dynamo and the Solar Cycle (Dibyendu Nandi)
Solar Activity in the Coming Decades (Robert Cameron)
Solar electromagnetic emission and climate (Sami Solanki)
Solar mass emission and climate (Kalevi Mursula)
Solar Flares and their Geospace impact (Nicole Vilmer)
CMEs and their Geospace Impact (Sarah Gibson)
Coronal Holes and their Geospace impact (Bojan Vrsnak)
Energetic particles in the inner heliosphere (Olga Malandraki)
Geospace and Atmospheric Impact of Energetic Particles (Bernd Funke)
New Developments in Magnetospheric Studies (Qiugang Zong)
Space Weather (Ian Mann)
Terrestrial Weather – Space Weather Connection (Jens Oberheide)

We anticipate that these inputs will be compiled and developed into a document that will be used in defining future SCOSTEP scientific programs. Please send a copy of your input to the SCOSTEP scientific secretary (mshepher [at] yorku.ca).

Sincerely,



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