

ICTP-SCOSTEP-ISWI School and Workshop on the Predictability of the Solar-Terrestrial Coupling - PRESTO



29 May - 2 June 2023
An ICTP Meeting
Trieste, Italy

Further information:
<http://indico.ictp.it/event/10176/>
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PRESTO (PREdictability of the variable Solar-Terrestrial cOupling) is an international science program that seeks to improve the predictability of energy flow in the integrated Sun-Earth system on various times scales from milliseconds to centuries by promoting international collaborative efforts.

PRESTO is the primary science program of SCOSTEP, the Scientific Committee on Solar-Terrestrial Physics. This workshop will aim to gather eminent scientists from solar, magnetospheric, ionospheric and atmospheric physics communities to discuss and deliberate on the cutting-edge sciences related to the PRESTO program.

The workshop will follow a one-day school which will provide students and early-career scientists with an introductory review on the topics that will be discussed during the PRESTO workshop. The space science schools are a capacity building activity of the International Space Weather Initiative (ISWI) and SCOSTEP.

Topics:

- Observations and modelling of solar eruptions, solar wind and SEPs from Sun through interplanetary space
- Prediction of solar transients, streams/SIRs and SEP from Sun to geospace
- Effect of space weather on the Earth's ionosphere, thermosphere, and magnetosphere
- Influence of the lower atmosphere on the mesosphere, thermosphere, and ionosphere
- Solar forcing specification and impacts on the atmosphere and climate
- Precipitating energetic particles and their effects on atmosphere
- Predictability of the solar cycle

How to apply:

Online application:
<http://indico.ictp.it/event/10176/>

Female scientists are encouraged to apply.

Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

Directors:

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Local Organiser:

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School Lecturers:

N. GOPALSWAMY, NASA, USA
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N. PEDATELLA, NCAR, USA
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Deadline:

4 March 2023



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