

# ICTP-SCOSTEP-ISWI Workshop on the Predictability of the Solar-Terrestrial Coupling - PRESTO I (smr 3898)



**30 May - 2 June 2023**  
**An ICTP Meeting**  
**Trieste, Italy**

Further information:  
<http://indico.ictp.it/event/10260/smr3898@ictp.it>

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.

## 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/10260/>

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:

S. GADIMOVA, ICG/UNOOSA, Austria  
N. GOPALSWAMY, NASA, USA  
K.M. GROVES, Boston College, USA  
R. LOPEZ, University of Texas at Arlington, USA  
B. NAVA, ICTP, Italy  
K. SHIOKAWA, Nagoya University, Japan

## Local Organiser:

B. NAVA, ICTP, Italy

## Keynote Speakers:

I. DAGLIS, University of Athens, Greece  
H. LIU, Kyushu University, Japan  
D. PESNELL, NASA Goddard Space Flight Center, USA  
E. ROZANOV, PMOD/WRC, Switzerland

## Invited Speakers:

T. AMERSTORFER, Space Research Institute, Austrian Academy of Sciences, Austria  
T. ASIKAINEN, University of Oulu, Finland  
A. BEMPORAD, INAF, Italy  
P. BHOWMIK, Durham University, UK  
T. CHATZISTERGOS, Max Planck Institute for Solar System Research, Germany  
O. CODDINGTON, LASP, Univ. of Colorado Boulder, USA  
D. DEL MORO, Università di Roma "Tor Vergata", Italy  
B. FUNKE, CSIC, Spain  
N. KRIVOVA, MPS, Germany  
X. LU, Clemson University, USA  
J. MCARTHUR, Naval Research Laboratory, USA  
H. NESSE, University of Bergen, Norway  
C. SCOLINI, UNH, USA  
Y. YAMAZAKI, Leibniz Institute for Atmospheric Physics, Germany  
X. ZHOU, Institute of Geology and Geophysics, Chinese Academy of Sciences, China

## Deadline:

**4 March 2023**



The Abdus Salam  
**International Centre  
for Theoretical Physics**  
[www.ictp.it](http://www.ictp.it)  
Trieste, Italy

