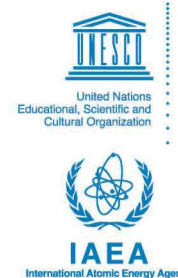




The Abdus Salam  
International Centre for Theoretical Physics



# INTERNATIONAL ADVANCED SCHOOL ON SPACE WEATHER MODELLING AND APPLICATIONS

18 - 29 October 2010

Miramare, Trieste, Italy

The School is organised jointly by ICTP, the EC COST Action ES0803 "Developing Products and Services for Space Weather in Europe", and the EC FP7 Project SOTERIA "SOLar-TERrestrial Investigations and Archives".

## PURPOSE AND NATURE

Space Weather is the physical and phenomenological state of natural space environments under the effect of solar and non-solar driven perturbations.

In Europe the study of Space Weather has been promoted by the European Space Agency (ESA) and this triggered various cooperation initiatives like the former EC COST Action 724 "Developing the Scientific Basis for Monitoring, Modelling and Predicting Space Weather", the new EC COST Action ES0803, and the EC FP7 Project SOTERIA.

This school is a follow-up to the "International Advanced School on Space Weather" co-organized in 2006 by ICTP, EC COST Action 724, USNSWP, SCOSTEP/CAWSES, INAF, and INFN.

It is aimed at providing the scientific knowledge and the applied aspects of Space Weather, i.e., the monitoring and modelling resources based on advanced data handling, and it will address the following topics: a. Space Weather Drivers and the Relevant Physical Environments; b. Space Weather Impacts on Technological Systems and Humans; c. Space Weather Monitoring and Data Handling; d. Space Weather Modelling Techniques. Morning sessions will be focused on theory and afternoon sessions to practicals with the direct participation of the attendees.

## PARTICIPATION

Scientists and students from all countries that are members of the United Nations, UNESCO or IAEA may attend the School. Although the main purpose of the ICTP is to help researchers from developing nations through a programme of training activities within a framework of international cooperation, students and postdoctoral scientists from developed countries are also welcome to attend. As the School will be conducted in English, participants must have a good working knowledge of that language.

As a rule, travel and subsistence expenses of the participants are borne by the home institution. However, limited funds are available for some participants (not more than 45 years of age) from, and working in, developing countries, to be selected by the organizers. Such financial support is available only for those who attend the entire activity. Every effort should be made by candidates to secure support for their fare (or at least half fare) from their home country. There is no registration fee to attend the School.

## HOW TO APPLY FOR PARTICIPATION

The application form can be accessed at the activity website:

<http://agenda.ictp.it/smr.php?2171>

Once in the website, comprehensive instructions will guide you step-by-step, on how to fill out and submit the application form.

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ICTP Home Page: <http://www.ictp.it>

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## MAIN CO-SPONSORS

- the Abdus Salam International Centre for Theoretical Physics (ICTP)
- EC COST Action ES0803 "Developing Products and Services for Space Weather in Europe"
- EC FP7 Project SOTERIA "SOLar-TERrestrial Investigations and Archives"
- National Institute for Astrophysics (INAF) (Italy)
- European Space Agency (ESA)

## APPLICATION DEADLINE

**31 May 2010**