

Regional Workshop on GNSS and Space Weather



9 - 13 May 2022
An ICTP hybrid event
Rabat - Morocco

Further information:
<http://indico.ictp.it/event/9778/>
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Space Weather refers to conditions on the Sun, in the solar wind, magnetosphere, ionosphere and thermosphere, which can influence the performance and reliability of a variety of space borne and ground-based technological systems.

Description:

Space Weather is recognised as the cause of significant errors experienced by Global Satellite Navigation Systems (GNSS), including Satellite Based Augmentation Systems (SBAS). GNSS or SBAS signals, propagating from a satellite to a receiver on the ground, pass through the ionosphere where they are subject to Space Weather effects. Under these conditions pseudorange errors and signals scintillations at user receiver level may be present. The purpose of this workshop is to give an introduction to the physics of ionosphere and to provide a basic knowledge on GNSS systems and their scientific and technological applications. Particular attention will be devoted to Space Weather research with GNSS data in the African Countries.

Topics:

- Introduction to GNSS
- GNSS Applications
- Sun-Earth coupling and Space Weather
- Ionospheric Irregularities
- Introduction to Ionospheric Monitoring
- Introduction to Ionospheric Modeling

How to apply:

Online application:
<http://indico.ictp.it/event/9778/>

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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Speakers:

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Deadline:

13 March 2022

