

3rd Summer School on Theory, Mechanisms and Hierarchical Modeling of Climate Dynamics: Tropical Oceans, ENSO and their Teleconnections

18 - 29 July 2022
An ICTP Hybrid Meeting
Trieste, Italy



Further information:
<http://indico.ictp.it/event/9817/>
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The El-Niño Southern Oscillation (ENSO) is a strong driver of significant weather and climate anomalies across the globe. ENSO is probably one of the most studied phenomena in climate research, but there are still many open research questions, which will be discussed in this school.

Description:

ENSO teleconnections continue to be an area of very active research. They include not only effects on the circulation over the mid-latitudes (Europe, Asia, North America, South America), but also a strong influence on the Asian Monsoon. The Monsoon also has its own set of teleconnections not all of which are related to ENSO. It will be very helpful for researchers and students alike to learn the latest advances in the understanding of ENSO dynamics and its broad range of teleconnections. One emphasis of this workshop will be the Asian Monsoon, which is a complex phenomenon of great importance to the regional agriculture and hence to the well-being of a very significant population. In recent years there has been an advance in understanding of how the Monsoon is affected by, and interacts with, the tropical ocean basins, the adjoining land masses, mid-latitudes and the stratosphere.

Topics:

- Tropical ocean (ENSO) dynamics, including phenomenology
- ENSO theory, modeling, prediction
- Decadal Variability and long term trends
- ENSO teleconnections
- Decadal variations of interannual teleconnections
- Inter-basin connections
- Tropical-extratropical teleconnections

Applicants are required to submit 'Research Abstract'.

A number of abstracts will be selected for a contributed talk or for a poster session.

How to apply:

Online application:
<http://indico.ictp.it/event/9817/>

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:

A. CAPOTONDI, University of Colorado and NOAA/ESRL, USA
D. STRAUS, George Mason University, USA
J. SHUKLA, George Mason University, USA
R. FARNETI, ICTP, Italy
A. TOMPKINS, ICTP, Italy

Local Organiser:

F. KUCHARSKI, ICTP, Italy

Lecturers include:

M.A. ABID, ICTP, Italy
S. BORDONI, University of Trento, Italy
A. CAPOTONDI, University of Colorado and NOAA/PSL, USA
A. CHERCHI, INGV, Italy
A. FEDOROV, Yale University, USA
E. GUILYARDI, LOCEAN/IPSL, France
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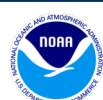
Deadlines:

15 May 2022

Applications needing financial support and/or visa

3 July 2022

All other applications



National Science Foundation
WHERE DISCOVERIES BEGIN



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