



The Abdus Salam  
International Centre  
for Theoretical Physics



# 5th Summer School on Theory, Mechanisms and Hierarchical Modelling of Climate Dynamics: Convection and Clouds

## Description:

ICTP, with the financial support of PIMS, is hosting the 5th Summer School on Theory, Mechanisms and Hierarchical Modelling of Climate Dynamics: "Convection and Clouds".

## MORE DETAILS:

The school will include lectures on convective self-aggregation in idealized experiments, precipitation extremes associated with organized convection, convection parameterization and stochastic models, machine learning for convection and clouds, and observations of convective organisation. Hands on projects will be conducted in the 3rd week using observations or model simulations.

The school includes the 4th Workshop on convective organization and precipitation extremes (WCO4) in week 2, and all school participants are invited to submit an abstract for consideration as a poster or talk presentation at the conference.

## DIRECTORS:

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**1 - 19 July 2024**



**Trieste, Italy**



**Deadline:  
8 April 2024**

## LOCAL ORGANISER:

A. TOMPKINS, ICTP

## GRANTS:

A limited number of ICTP grants are available to support the attendance of selected participants from developing countries. In addition, the Pacific Institute for the Mathematical Sciences (PIMS) have made co-funding available to support participant attendance from all countries, but with priority given to PhD students and junior scientists from PIMS-member universities (<https://www.pims.math.ca/essential-information>). There is no registration fee.

## FURTHER INFORMATION:



E-mail: [smr3952@ictp.it](mailto:smr3952@ictp.it)

Web: <https://indico.ictp.it/event/10490/>

Female scientists are encouraged to apply

