



The Abdus Salam
**International Centre
for Theoretical Physics**



5th Joint ICTP-Trieste/ICTP-SAIFR School on Cosmology

DESCRIPTION:

This is the fifth edition of a joint ICTP-Trieste/ICTP-SAIFR two-week Cosmology School, aimed at providing students and young researchers with the necessary tools for understanding the current issues in modern cosmology and to familiarize them with how recent observations can be used to constrain different cosmological models and parameters.

TOPICS AND SPEAKERS:

Theory of large scale structure
Roman Scoccimarro, New York University, USA

Primordial inflation
Gonzalo Palma, Universidad de Chile, Santiago, Chile

A premiere on Gravitational Wave Cosmology
José M. Ezquiaga, Niels Bohr Institute, Denmark

Physics of CMB
Emmanuel Schaan, SLAC National Accelerator Laboratory, USA

Large scale structure observables
David Alonso, University of Oxford, England

Machine Learning Methods for Cosmology
Francisco Antonio Villaescusa Navarro, Simons Foundation and Princeton University, USA



28 July - 8 August 2025



Sao Paulo, Brazil



**Application and Deadlines:
17 May 2025**

DIRECTORS:

Paolo Creminelli, ICTP
Mehrdad Mirbabayi, ICTP
Rogério Rosenfeld, UNESP
Riccardo Sturani, UNESP

LOCAL ORGANISER:

Mehrdad Mirbabayi, ICTP

FURTHER INFORMATION:

E-mail: smr4093@ictp.it

Web: <https://indico.ictp.it/event/10858/>

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.

