





Summer School on Cosmology



Workshop on Cosmology with Next Generation Radio Surveys

SCHOOL

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WORKSHOP

6 - 17 June 2016

20 - 23 June 2016

Miramare, Trieste, Italy

TOPICS of the School:

• INTRODUCTION to COSMOLOGY

• DARK MATTER

INFLATION

COSMIC RAYS

DARK ENERGY

NUMERICAL METHODS for COSMOLOGY

GRAVITATIONAL WAVES

LARGE SCALE STRUCTURE

CMB

• REIONIZATION

The purpose of the School is to provide an introduction to the current state of research in cosmology and astroparticle physics. It is intended for beginning graduate students, as well as more senior non-expert researchers that are interested in these fields. The purpose of the Workshop is to foster discussion about all aspects of Radio Surveys, focusing mostly on their cosmological implications, through a small number of invited talks and discussions.

GRANTS:

A limited number of grants are available to support the travel and living expenses of selected participants, with priority given to participants working in a developing country and who are at the early stages of their career.

HOW TO APPLY FOR PARTICIPATION:

The application forms can be accessed at the School (http://indico.ictp.it/event/7626) & Workshop (http://indico.ictp.it/event/7765) websites. Once in the website, comprehensive instructions will guide you step-by-step, on how to fill out and submit the application forms.

SCHOOL & WORKSHOP SECRETARIAT:

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ORGANIZERS:

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- P. Creminelli (ICTP)
- A. Ferrara (SNS)
- R. Sheth (UPenn)

LECTURERS:

- **G. Evrard** (UMichigan)
- **R. Flauger** (Austin U.)
- S. Ho (Carnegie Mellon)
- K. Koyama (Portsmouth)
- **E. Pajer** (Utrecht)
- B. Ryden (Ohio State U.)
- T. Slatyer (MIT)
- P. Ullio (SISSA)
- M. Vallisneri (Caltech)
- S. Zaroubi (Groeningen)

DEADLINE

for requesting participation

10 April 2016

