

# Spring School on Superstring Theory and Related Topics



**14 - 22 March 2018**  
**Trieste, Italy**

Further information:  
<http://indico.ictp.it/event/8302/>  
[smr3193@ictp.it](mailto:smr3193@ictp.it)

ICTP's annual Spring School on Superstring Theory and Related Topics provides pedagogical treatment of these subjects through lectures by some of the world's top string theorists. The activity is intended for theoretical physicists or mathematicians with knowledge of quantum field theory, general relativity and string theory. It is organized in collaboration with the Asia Pacific Center for Theoretical Physics (APCTP) and the Italian Institute for Nuclear Physics (INFN).

## Topics:

- Aspects of 5d and 6d SUSY Theories
- Dualities and Exact Results in 3d QFT
- Entanglement in QFT
- Gravitational Waves
- Large N Models
- Primordial Cosmology
- The Averaged Null Energy Condition in QFT

## How to apply:

Online application:  
<http://indico.ictp.it/event/8302/>

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.

## Organizers:

A. DABHOLKAR, ICTP & Université Paris - Sorbonne  
E. GAVA, INFN Trieste  
V. HUBENY, UC Davis  
Z. KOMARGODSKI, Weizmann Inst. & SCGP Stony Brook  
K.S. NARAIN, ICTP

## Lecturers include:

D. BAUMANN, University of Amsterdam  
E. BENINI, SISSA  
T. HARTMAN, Cornell University  
M. HUERTA, Centro Atómico Bariloche  
K. INTRILIGATOR, UC San Diego  
I. KLEBANOV, Princeton University  
R.A. PORTO, ICTP-SAIFR

## Deadline:

**5 January 2018**

