

# Spring School on Superstring Theory and Related Topics



**28 March - 5 April 2019**  
**Trieste, Italy**

Further information:  
<http://indico.ictp.it/event/8649/>  
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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:

- Black Holes and Quantum Information
- Four-dimensional Supersymmetric Dynamics from Six Dimensions
- Dynamics of Quantum Fields in Three and Four Dimensions
- The Chiral Algebra Program for Four-dimensional SCFTs
- Quantum Entanglement and Holography
- Weak Gravity Conjecture

## How to apply:

Online application:  
<http://indico.ictp.it/event/8649/>

Female students and 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 & Sorbonne Universités Paris  
E. GAVA, INFN Trieste  
V. HUBENY, UC Davis  
Z. KOMARGODSKI, Stony Brook  
K.S. NARAIN, ICTP

## Lecturers include:

Z. KOMARGODSKI, Stony Brook  
K. PAPADODIMAS, ICTP  
L. RASTELLI, Stony Brook  
S. RAZAMAT, Technion  
M. REECE, Harvard  
T. TAKAYANAGI, Yukawa Institute

## Deadline:

**6 January 2019**

