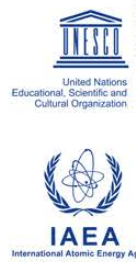




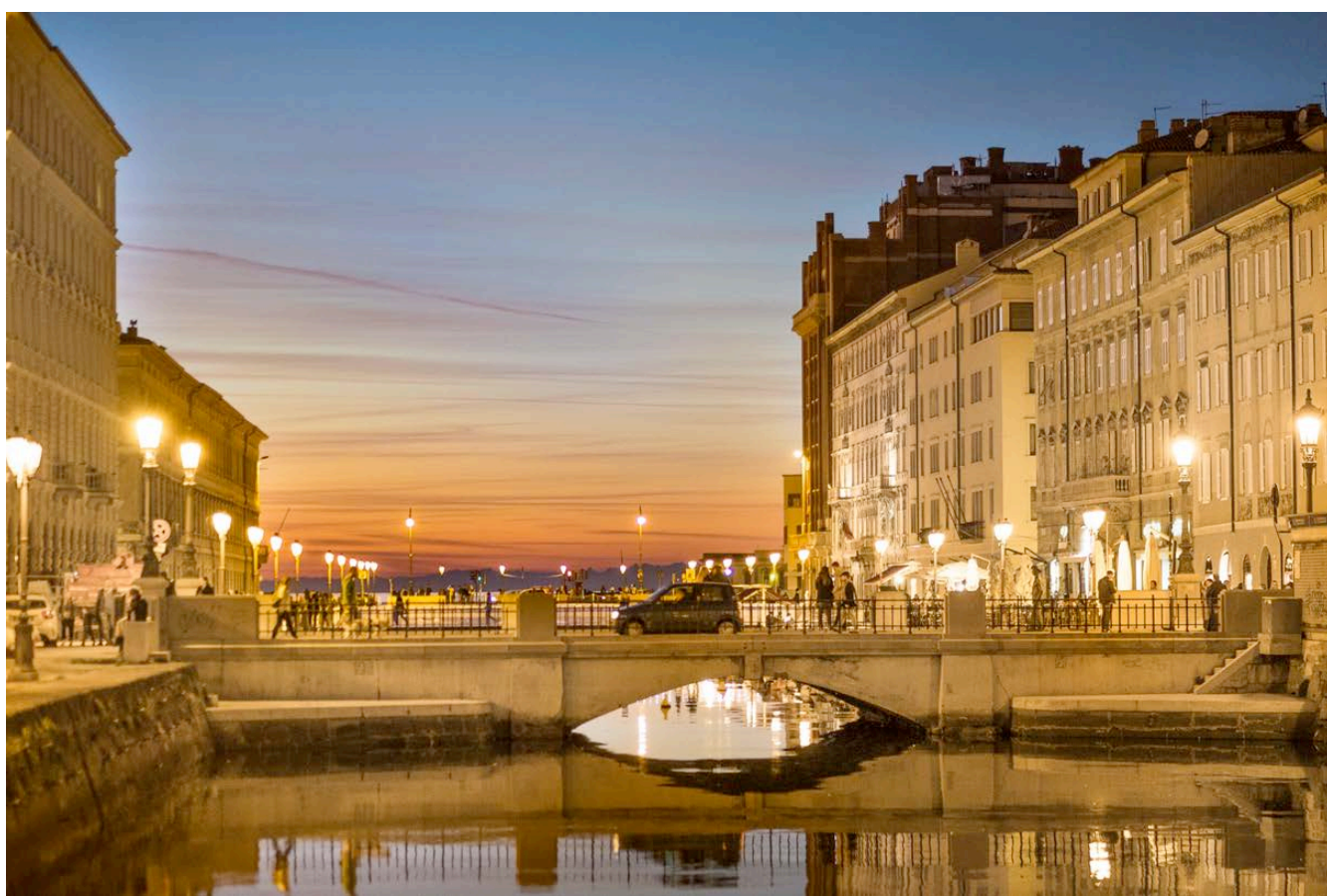
The Abdus Salam  
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# Physics and Geometry of F-theory 2017

27 February - 2 March 2017

Miramare, Trieste, Italy



picture by Davide Nardon

The goal of this conference is to bring together the experts in the field of F-theory from around the globe, both from the physics and the mathematics community, in order to exchange ideas about recent progress and future endeavours. F-theory is a non-perturbative realisation of string theory that is written in the language of algebraic geometry, and has always benefitted greatly from interdisciplinary interactions such as this conference

## TOPICS:

- Phenomenological aspects of F-theory particle physics, including Grand Unification, proton decay, selection rules, Yukawa couplings
- Analysis of effective theories arising from F-theory compactifications to various dimensions
- Dualities to other string theories
- New mathematical advances including geometrical aspects of elliptic fibrations, Matrix Factorisation, resolution of singular manifolds, Calabi-Yau four-folds and five-folds.

## 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 form can be accessed at activity website: <http://indico.ictp.it/event/7951>. Once in the website, comprehensive instructions will guide you step-by-step, on how to fill out and submit the application form.

### CONFERENCE SECRETARIAT:

Telephone: +39 040 2240 363 - Telefax: +39 040 2240 7363 - E-mail: [smr3106@ictp.it](mailto:smr3106@ictp.it)  
ICTP Home Page: <http://www.ictp.it/>

IN COLLABORATION WITH THE



ITALIAN  
INSTITUTE FOR  
NUCLEAR  
PHYSICS

INTERNATIONAL  
SOLVAY  
INSTITUTES

## ORGANIZERS:

- A. Collinucci (*U. Libre de Bruxelles*)  
S. Giacomelli (*ICTP*)  
R. Valandro (*U. of Trieste*)

## SPEAKERS INCLUDE:

- L. Anderson (*Virginia Tech*)  
A. Braun (*Oxford U.*)  
M. Del Zotto (*SUNY, Stony Brook*)  
I. García-Etxebarria (*MPI Munich*)  
A. Grassi (*U. of Pennsylvania*)  
J. Gray (*Virginia Tech*)  
T. Grimm (*Utrecht U.*)  
J. Halverson (*Northeastern U.*)  
H. Hayashi (*Tokai U.*)  
J. Heckman \* (*UNC Chapel Hill*)  
D. Klevers (*CERN*)  
F. Marchesano (*IFT Madrid*)  
D. Morrison (*UC Santa Barbara*)  
E. Palti (*Heidelberg U.*)  
R. Savelli (*IFT Madrid*)  
S. Schäfer-Nameki (*Oxford U.*)  
A. Tomasiello (*Milano Bicocca U.*)  
W. Taylor (*MIT*)  
C. Vafa \* (*Harvard U.*)  
T. Weigand (*Heidelberg U.*)  
(\* = to be confirmed)

**DEADLINE**  
for requesting participation

**4 January 2017**

