



The Abdus Salam
International Centre
for Theoretical Physics



Conference on Arithmetic Geometry and Applications

DESCRIPTION:

Arithmetic geometry is a very active and important research area in modern mathematics. It includes topics of number theory, algebraic geometry, mathematical physics and algebra among others. The purpose of this conference is to gather experts on topics related to arithmetic geometry, in a broad sense, with specific emphasis on problems related to properties of algebraic varieties.

TOPICS:

- Central values of L-series (and their connection to Mahler measure of polynomials)
- New instances of mirror symmetry
- Computations and properties of motives (as introduced by Grothendieck to describe the cohomology essence of a variety)
- The expositions will cover topics including

SPEAKERS:

Philip CANDELAS
University of Oxford, UK
Xenia DE LA OSSA
University of Oxford, UK
Alicia DICKENSTEIN
University of Buenos Aires, Argentina
Ahmad EL-GUINDY
Cairo University, Egypt
Tony EZOME
École Normale Supérieure, Libreville,
Gabon
Farshid HAJIR
University of Massachusetts Amherst, USA
Tamás HAUSEL
ISTA, Austria
María Inés ICAZA PÉREZ
University of Talca, Chile
Matilde LALÍN
Université de Montréal, Canada
Emmanuel LETELLIER
Université Denis-Diderot, France

Anton MELLIT
University of Vienna, Austria
Martín MEREB
University of Buenos Aires, Argentina
Ariel PACETTI
University of Aveiro, Portugal
Amalia PIZARRO MADARIAGA
University of Valparaíso, Chile
Danylo RADCHENKO
University of Lille, France
David ROBERTS
University of Minnesota, Morris, USA
Adriana SALERNO
NSF and Bates College, USA
Gonzalo TORNARÍA
Universidad de la República, Uruguay
Don ZAGIER
ICTP, Italy



1 - 5 July 2024



Trieste, Italy



Deadline:
14 April 2024

DIRECTORS:

Tarig ABDELGADIR, Loughborough University, UK
Ariel PACETTI, University of Aveiro, Portugal
Adriana SALERNO, NSF and Bates College, USA
Matilde LALÍN, Université de Montréal, Canada

LOCAL ORGANISER:

Lothar GOETTSCHE, ICTP, Italy

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.

FURTHER INFORMATION:



E-mail: smr3950@ictp.it

Web: <https://indico.ictp.it/event/10488/>

Female scientists are encouraged to apply.

