



National Mathematics Initiative

National
Mathematics
Initiative
(NMI)

Workshop on

PERSPECTIVES IN COMPLEXITY THEORY AND CRYPTOGRAPHY

January 10 - 13, 2017 | Indian Institute of Science, Bangalore

This workshop is part of the **Thematic Year on Complexity Theory and Cryptography** (August 2016 - July 2017) organized by the National Mathematics Initiative (NM) at Indian Institute of Science, Bangalore.

The goal of this workshop is to provide a forum for active researchers in the focus areas to interact and collaborate. It will also help students and postdocs to find new opportunities to pursue research in these areas. The workshop will cover the following themes of research in cryptography and complexity theory.

- Lattice Based Cryptography,
- Homomorphic Secret Sharing Schemes,
- Communication Complexity,
- Algorithms \Leftrightarrow Lower Bounds, and
- Partition Functions, Polynomials, and Optimization.

The program will include talks by eminent researchers in each of these themes. Details of speakers, talks, and the program schedule can be found on the web site of the workshop at

http://math.iisc.ernet.in/~nmi/PCTC_Orgcomm.php

The scope of these dedicated sessions is kept narrow enough to encourage detailed technical discussions.

We invite participation in this workshop by researchers with interests in the above and related areas. Ph.D. students and postdocs interested in pursuing research in these areas are particularly encouraged to apply. Applications can be submitted from the above web site.

Further details regarding the thematic year can be viewed at

<http://math.iisc.ernet.in/~nmi/>

Contact

The Secretariat, National Mathematics Initiative (NMI)

Department of Mathematics

Indian Institute of Science, Bangalore - 560012, INDIA

Telephone: +91-80-2293 3217 / 3218 • +91-80-2360 5390

Fax: +91-80-2360 5390 • Email: nmi@math.iisc.ernet.in

ORGANISING COMMITTEE

Shweta Agrawal

IIT Madras

Arkadev Chattopadhyay

TIFR, Mumbai

Satya Lokam (Chair)

Microsoft Research,
Bangalore

Manoj Prabhakaran

IIT Mumbai

Srikanth Srinivasan

IIT Mumbai