

# INTERNATIONAL CONFERENCE

ON

## COMPUTATIONAL MATHEMATICS IN NANOELECTRONICS AND ASTROPHYSICS

(CMNA 2018)

November 1-3, 2018

Conference URL: <http://cmna.iiti.ac.in/>

Email Id: [cmna2018@iiti.ac.in](mailto:cmna2018@iiti.ac.in)

### First Announcement

About IIT Indore

IIT Indore located at Simrol, Khandwa Road, Madhya Pradesh, is one of the eight new Indian Institutes of Technology (IIT) established by the Ministry of Human Resource Development (MHRD), Government of India in 2008-09. Recently IIT Indore is ranked 15th amongst all engineering universities and institutions in India and a very impressive 5th in teaching and resource category by MHRD as per NIRF 2017.

IIT Indore, established in 2009 by the Government of India, is a unique educational institution that focuses on interdisciplinary research and teaching. The institute is growing rapidly as the only center for advanced learning and knowledge-dissemination in the pure and applied sciences in Central India. The interdisciplinary approach of the institute is well reflected in its departmental setup comprising basic sciences, a school of engineering and a school of social sciences. The larger commitment of the institute to socio-economic development is evident in its multi-dimensional approach to social problems and is engraved in its motto ('knowledge for the well being of all'), which makes this institution one of its kind and it stands out even within the distinguished IIT family.

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About CMNA

The International Conference on Computational Mathematics in Nanoelectronics and Astrophysics (CMNA 2018) aims to bring together leading academicians, scientists, researchers, engineers, and industry partners all over the globe to exchange and share their experiences and research results on various aspects of computational mathematics in nanoelectronics, astrophysics and other related areas of space sciences and engineering. It also aims to stimulate interactions between researchers to present the recent progress and discuss the most advanced innovations, trends, and real-world challenges encountered and solutions embraced in the applications of computational mathematics in nanoelectronics and astrophysics, space sciences.

### Key Topics

- Pattern Recognition
- Wavelets
- Computational Complex Analysis
- Mathematical Models
- Finite Element Methods
- Computational Mechanics
- Operations Research
- Financial Mathematics
- Numerical Algorithms
- Computer Graphics
- Modeling of Physical Systems
- Astrophysical Fluid Dynamics
- Numerical Relativity
- Modelling of Space Instruments
- Turbulence in Astrophysics
- Big Data and Future Astronomical Telescopes
- Nanoelectronic Devices /
- Systems and Reliability
- Nanomagnetism and Spintronics
- Materials and Structures for Nanoelectronics
- Nanofabrication Technologies
- Micro- and Nano-ElectroMechanical System
- VLSI Design and IC Technology
- IC Fabrication and Testing
- Device, Circuit & Systems
- Photovoltaics
- Molecular Electronics
- Photonics and Plasmonics
- Sensors, Actuators, and Transducers
- Novel Algorithm and Machine Learning for Early Universe

### Important Dates

Last date for Abstract Submission:	June 15, 2018
Last date for Full-length Paper Submission:	June 30, 2018
Notification of acceptance:	August 15, 2018
Early Bird Registration ends:	July 01, 2018
Late Registration ends:	July 15, 2018

Organizing Committee

Organized by:- Indian Institute of Technology Indore, India

Contact for more details

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