

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

Second 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 14th amongst all engineering universities and institutions in India and a very impressive 5th in teaching and resource category by MHRD as per NIRF 2018.

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

Topics in the CMNA 2018 Technical Program include but are not limited to:

Computational Mathematics :

Mathematical Models
Numerical Algorithms
Computational Complex Analysis
Mathematical Optimization
Operations Research
Computer Graphics
Computational Mechanics
Finite Element Methods
Financial Mathematics
Wavelets

Nanoelectronics :

Nanoelectronic Devices / Systems & Reliability
Nanomagnetics 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

Astrophysics :

Astrophysical Fluid Dynamics
Modeling of Physical Systems
Numerical Relativity
Modelling of Space Instruments
Turbulence in Astrophysics
Pattern Recognition
Big Data & Future Astronomical Telescopes

Important Dates

Last date for Abstract/Full-length Paper Submission:	July 31, 2018
Notification of acceptance:	August 10, 2018
Early Bird Registration ends:	August 15, 2018
Late Registration ends:	August 31, 2018

Confirmed Speakers

- Prof. Clemens Heske ,
KIT, Germany; University of Nevada, USA
- Dr. Myo Than Htay ,
Shinshu University, Japan
- Prof. S. B. Krupanidhi,
IISc Bangalore
- Dr. Dipu Pramanik,
MDLSof Santa Clara, USA
- Dr. Badam Singh Kushvah,
Dept. Applied Mathematics,
IIT (ISM) Dhanbad
- Prof. Durga Charan Dalal,
Dept. of Mathematics, IIT Guwahati
- Dr. Harish Kumar,
Dept. of Mathematics, IIT Delhi

Conference website will have updated list of speakers.

Publications



All accepted full-length papers will be published online in the Springer Proceedings (Proposal submitted).

Click on the below mentioned URL to submit the Manuscripts
<https://bit.ly/2IFPq2t>

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