

International Conference on Applied Mathematics and Mechanics (ICAMM 2023)



October 18-20, 2023 at Indian Institute of Technology Indore
Conference URL : <http://icamm.iiti.ac.in/>, Conference E-mail : icamm2023@iiti.ac.in



About IIT Indore

Indian Institute of Technology (IIT) Indore, situated in Madhya Pradesh and founded in 2009 by the Government of India, is an institution of national importance. The verdant campus of IIT Indore, spread across 512 acres of land amid rural habitats, is located near a village, Simrol, about 25 kilometers away from the Indore city on Khandwa road. The institute has established the state-of-the-art infrastructure, including the computer centre, well-equipped labs, advanced instrumentation facilities, etc. IIT Indore is ranked among the top 50 universities in Asia. Recently, IIT Indore debuted with a rank in the range of 351-400 in the Times Higher Education World University Rankings 2019 and 2nd among Indian institutes. The faculty members of the institute are well equipped to conduct high-quality research in both Science and Engineering, and are also engaged in interdisciplinary research activities. For collaborative research, interested researchers are encouraged to contact the concerned faculty. The Institute is actively engaged in organizing various research activities. For more details, please visit <https://iiti.ac.in>.

About the Conference

The International Conference on Applied Mathematics and Mechanics (ICAMM 2023) will be held at IIT Indore, India, during October 18-20, 2023. This conference is meant for researchers from academia, industries, technology and R&D organizations from all over the globe whose research is broadly related to applied mathematics and mechanics. Some areas covered by the conference, but not limited to, are differential equations, mathematical modelling and simulations, dynamical systems, numerical analysis, solid and fluid mechanics, computational engineering, structural engineering and wave propagation. The conference aims to bring together mathematicians and experts from other diverse fields to discuss recent advances in computational and applied mathematics and to share ideas on open questions. The conference puts special emphasis on the participation of the PhD students, post-doctoral fellows and other young researchers from all over the world. The conference will feature world-class keynote speakers in the theme areas.

Conference language is English.

Call for papers

Technical papers are invited from researchers, engineers and scientists working in the field of mathematics and mechanics of real-life problems. Abstracts of length limited to 2500 characters may be submitted through the online submission portal provided on the conference website. The corresponding author of the accepted abstract will be notified through email and will be asked to submit a full paper. Details of the publication will be updated soon. At least one of the authors must have to register and present at the conference. One author is allowed to present a maximum of one paper.

List of Speakers

INTERNATIONAL SPEAKERS

Prof. Sergey Kuznetsov, Russian Academy of Sciences, Russian
Prof. Julius Kaplunov, Keele University, UK
Prof. C. W. Lim, City University of Hong Kong
Prof. Manuel Torrilhon, RWTH University, Germany
Prof. James Sprittles, University of Warwick, UK
Prof. Marco Amabili, McGill University, Canada
Dr. Prashant Saxena, University of Glasgow, UK
Dr. Ajay Bangalore Harish, University of Manchester, UK

NATIONAL SPEAKERS

Prof. Veerappa Gowda, TIFR Bangalore
Prof. Rama Bhargava, IIT Roorkee
Prof. Shishir Gupta, IIT (ISM) Dhanbad
Prof. Amit Agrawal, IIT Bombay
Prof. Seema Sarkar (Mondal), NIT Durgapur
Prof. Premananda Bera, IIT Roorkee
Prof. Sushil Kumar Tomar, Panjab University
Prof. S. Sundar, IIT Madras & NIT Mizoram
Prof. Vasant Matsagar, IIT Delhi
Prof. Karunesh Kumar, MANIT Bhopal
Prof. Sudhirkumar Barai, BITS Pilani
Prof. G P Raja Sekhar, IIT Kharagpur
Prof. Gopal Ch. Shit, Jadavpur University
Dr. Harish Kumar, IIT Delhi
Dr. Manish Kumar Khandelwal, IIT BHU
Dr. Triveni Prasad Shukla, NIT Warangal
Dr. Shib Sankar Ganguli, CSIR-NGRI
Dr. Anirudh Singh Rana, BITS Pilani
Dr. Somenath Mukherjee, CSIR - CMERI

Organizing committee

PATRON

Prof. Suhas S. Joshi, Director, IIT Indore

CONVENER

Dr. Santanu Manna, IIT Indore

CO-CONVENER

Prof. Sandeep Chaudhary, IIT Indore
Dr. Vinay Kumar Gupta, IIT Indore

INTERNATIONAL ADVISORY

Prof. Marco Amabili, McGill University, Canada
Prof. Ranjan Banerjee, City University of London
Prof. Atul Bhaskar, University of Sheffield, UK
Prof. Vicente Garz3, Universidad de Extremadura, Spain
Prof. Julius Kaplunov, Keele University, UK
Prof. Sergey Kuznetsov, Russian Academy of Sciences
Prof. C. W. Lim, City University of Hong Kong
Prof. Andrea Nobili, Università di Modena Italy
Prof. James Sprittles, University of Warwick, UK
Prof. Henning Struchtrup, University of Victoria, Canada
Prof. Manuel Torrilhon, RWTH University, Germany

NATIONAL ADVISORY

Prof. Premananda Bera, IIT Roorkee
Prof. Rama Bhargava, IIT Roorkee
Prof. Veerappa Gowda, TIFR Bengaluru
Prof. Amit Agrawal, IIT Bombay
Prof. Shishir Gupta, IIT (ISM) Dhanbad
Prof. Santwana Mukhopadhyay, IIT BHU
Prof. A. K. Nandakumaran, IISc Bengaluru
Prof. G.P. Raja Sekhar, IIT Kharagpur
Prof. Seema Sarkar, NIT Durgapur
Prof. Gopal Ch. Shit, Jadavpur University
Prof. Sushil Tomar, Panjab University
Prof. Ranjit K. Upadhyay, IIT (ISM) Dhanbad
Prof. Ganesh Kedar, RTM Nagpur University
Prof. Satyajit Roy, IIT Madras

LOCAL ORGANISING TEAM

Dr. Niraj Kumar Shukla, IIT Indore
Dr. Parimal Kar, IIT Indore
Dr. Indrasen Singh, IIT Indore
Prof. Safique Ahmad, IIT Indore
Prof. Swadesh Kumar Sahoo, IIT Indore
Prof. Mahesh Dumaldar, DAVV Indore
Prof. Aekta Aggarwal, IIT Indore
Dr. Sanjeev Singh, IIT Indore
Dr. Sourav Mitra, IIT Indore

PUBLICITY TEAM

Dr. Sukhendu Ghosh, IIT Jodhpur
Prof. Vinod Patidar, SPSU Udaipur
Dr. Nantu Sarkar, University of Calcutta
Dr. Bidyasagar Kumbhakar, NIT Meghalaya
Dr. Raj Nandkeolyar, NIT Jamshedpur
Dr. Nilesh Kumar Thakur, NIT Raipur
Dr. Mostaid Ahmed, The Neotia University



KEY TOPICS

Topics in the ICAMM-2023 technical program include but not restricted to:

- Applied Mathematics
- Elasticity
- Fluid Mechanics
- Numerical Analysis
- Solid Mechanics
- Structural Engineering
- Sustainable Construction Practice
- Wave Propagation
- Theoretical Seismology



REGISTRATION

- **Registration Fee:** USD 300
 - Students, faculty members and industrial person from **SAARC countries** are eligible for a discounted rate as follows:
Students: INR 5000/-
Faculty members: INR 6000/-
Industry: INR 10,000/-
- Name of Account Holder: IIT Indore
Bank Name: Canara Bank
Account Number: 1476101027440
Branch: IIT Indore, Simrol
IFSC Code: CNRB0006223
Swift Code: CNRBINBBISG



IMPORTANT DATES

- Extended deadline for abstract submissions: 25th August 2023
- Last date for Full-length paper submissions: 30th August 2023
- Notification of acceptance by: 30th August 2023
- Camera-ready papers by: 30th August 2023
- Registration begins: 15th June 2023
- Registration ends: 30th August 2023



PUBLICATION



After a rigorous review process, the accepted full-length papers will be published in a Scopus-indexed Springer book series.

ORGANISED BY

Indian Institute of Technology Indore
and

AMG lab, Department of Mathematics, IIT Indore

October 18-20, 2023

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



CONTACT DETAILS

Dr. Santanu Manna

Dept. of Mathematics

Phone: +91 731 660 3319

Mobile: +91 887 8095 886

Email: [icamm2023\[at\]iiti.ac.in](mailto:icamm2023[at]iiti.ac.in)

Prof. Sandeep Chaudhary

Dept. of Civil Engineering

Phone: +91 731 660 3256

Mobile: +91 9549654195

Email: [icamm2023\[at\]iiti.ac.in](mailto:icamm2023[at]iiti.ac.in)

Dr. Vinay Kumar Gupta

Dept. of Mathematics

Phone: +91 731 660 3206

Mobile: +91 9901215325

Email: [icamm2023\[at\]iiti.ac.in](mailto:icamm2023[at]iiti.ac.in)