

ANNOUNCEMENT

First International Conference on Mathematical Optimization Theory and Applications



March 14–16, 2026

Department of Mathematical Sciences,
Indian Institute of Technology (BHU), Varanasi, India

Mathematical optimization, including convex and nonconvex optimization, smooth and non-smooth optimization, scalar and vector optimization, variational analysis, and algorithmic developments, has emerged as a central area of modern mathematics with wide-ranging applications in data science, machine learning, operations research, control theory, aerospace, defense, energy systems, and engineering design. The primary objective of the first ICMOTA 2026 is to provide a platform for presenting and discussing recent advances in optimization theory, computational methods, and their interdisciplinary applications. The conference will bring together leading international and national experts to share state-of-the-art research in mathematical optimization, specialized frameworks such as combinatorial and set-valued optimization, and emerging areas including quantum optimization. Participants can expect in-depth discussions on both theoretical foundations and practical applications, fostering collaborations and inspiring new directions in the field.

Conference Website

For detailed information, please visit <https://conferences.iitbhu.ac.in/ICMOTA-2026/>

Patron

Prof. Amit Patra, Director, Indian Institute of Technology (BHU), Varanasi

Organizing Chairs

Debdas Ghosh, Department of Mathematical Sciences, IIT (BHU) Varanasi

Amit Kumar, Department of Mathematical Sciences, IIT (BHU) Varanasi

Convener

Subir Das, Department of Mathematical Sciences, IIT (BHU) Varanasi

Secretary

Anuradha Banerjee, Department of Mathematical Sciences, IIT (BHU) Varanasi

Keynote Speakers

1. Debjani Chakraborty, Indian Institute of Technology Kharagpur, India
2. S. K. Neogy, Indian Statistical Institute, Delhi, India
3. Christiane Tammer, Martin-Luther-University Halle-Wittenberg, Germany
4. Tamás Terlaky, Lehigh University, USA

Plenary Speakers

1. Q. H. Ansari, King Fahd University of Petroleum and Minerals, Saudi Arabia
2. S. Dharmaraja, Indian Institute of Technology Delhi, India
3. Joydeep Dutta, Indian Institute of Technology Kanpur, India
4. Adrijit Goswami, Indian Institute of Technology Kharagpur, India
5. Anurag Jayswal, Indian Institute of Technology (ISM) Dhanbad, India
6. Somesh Kumar, Indian Institute of Technology Kharagpur, India
7. Debasis Kundu, Indian Institute of Technology Kanpur, India
8. C. S. Lalitha, University of Delhi South Campus, India
9. Juan Enrique Martinez-Legaz, Autonomous University of Barcelona, Spain
10. S. K. Mishra, Banaras Hindu University, India
11. Neeraj Misra, Indian Institute of Technology Kanpur, India
12. Vinay Pandey, Indian Space Research Organization, Bengaluru, India
13. Bhupendra Singh, Scientist-F, CAIR, DRDO Bangalore
14. Radu Strugariu, Gheorghe Asachi Technical University of Lasi, Romania
15. Neelesh S. Upadhye, Indian Institute of Technology Madras, India
16. P. Vellaisamy, University of California, USA
17. V. Vetrivel, Indian Institute of Technology Madras, India
18. S. P. Yadav, Indian Institute of Technology Roorkee, India

Invited Speakers

1. Mohd. Arshad, Indian Institute of Technology Indore, India
2. Kalyan Barman, National Institute of Technology Warangal, India
3. Feeroz Babu, SASL, VIT Bhopal University, India
4. Raju Chowdhury, Indian Statistical Institute, Kolkata, India
5. Ram Surat Chauhan, Jaypee Institute of Technology, Noida, India
6. Prasit Cholamjiak, University of Phayao, Thailand
7. Watcharpon Cholamjiak, University of Phayao, Thailand
8. Minh Dao, RMIT University, Australia
9. Ishapathik Das, Indian Institute of Technology Tirupati, India
10. Shishir Gaur, Indian Institute of Technology (BHU) Varanasi, India
11. Pankaj Gautam, Indian Institute of Technology Roorkee, India
12. Bibhas Chandra Giri, Jadavpur University, India
13. Raghu Nandan Giri, Vidyasagar University, India
14. Shiv Kumar Gupta, Institute of Technology Roorkee, India
15. Nil Kamal Hazra, Indian Institute of Technology Jodhpur, India
16. Akhlat Iqbal, Aligarh Muslim University, India
17. Monirul Islam, Aligarh Muslim University, India
18. Nabakumar Jana, Indian Institute of Technology (ISM) Dhanbad, India

19. Jauny, Indian Institute of Technology Bhilai, India
20. Samarjit Kar, National Institute of Technology Durgapur, India
21. Shyam Kamal, Indian Institute of Technology (BHU) Varanasi, India
22. Suchandan Kayal, National Institute of Technology Rourkela, India
23. Krishan Kumar, Indian Institute of Technology Kanpur, India
24. Nitin Kumar, Indian Institute of Technology Jammu, India
25. Vivek Laha, Banaras Hindu University, India
26. Gao-Xi Li, Chongqing Technology and Business University, China
27. Xian-Jun Long, Chongqing Technology and Business University, China
28. Prashanta Majee, Motilal Nehru National Institute of Technology, Allahabad, India
29. Naoki Marumo, University of Tokyo, Japan
30. Ashok Kumar Pathak, Central University of Punjab, India
31. Zai-Yun Peng, Yunnan Normal University, China
32. Yekini Shehu, Zhejiang Normal University, China
33. Abhishek Singh, Chongqing Normal University, China
34. Vishnu Pratap Singh, Visvesvaraya National Institute of Technology, Nagpur, India
35. Kuntal Som, Indian Institute of Technology Jodhpur, India
36. Ashutosh Upadhyay, Mahatma Jyotiba Phule Rohilkhand University Bareilly, India
37. Yong Zhao, Chongqing Jiaotong University, China
38. Zhiang Zhou, Chongqing University of Technology, China

Registration

Please visit the *Registration* page of the conference website
<https://conferences.iitbhu.ac.in/ICMOTA-2026/>

Important Dates

1. Deadline for abstract submission for presentation: February 10, 2026
2. Deadline for acceptance of paper presentation: February 15, 2026
3. Early registration opens on December 1, 2025, and closes on February 22, 2026
4. Late registration opens on February 23, 2026, and closes on March 5, 2026

Proceedings and Special Issues

To be announced on the website

Social Events

Cultural program and gala dinner

Contact Us

For any information related to the conference, email us at icmota2026.events@iitbhu.ac.in