

## ANNOUNCEMENT

### Second International Conference on Mathematical Optimization Theory and Applications



February 19–21, 2027

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 global 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-2027/>

#### Chief Patron

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

#### Organizing Chair

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

#### Conveners

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

Indrajit Saha, Department of Mathematical Sciences, IIT (BHU) Varanasi

#### Secretary

Dipendu Pramanik, Department of Mathematical Sciences, IIT (BHU) Varanasi

## **Keynote Speakers**

1. Ravi N. Banavar, Indian Institute of Technology Gandhinagar, India
2. Sergiy Butenko, Texas A&M University, USA
3. Kunal Narayan Chaudhury, Indian Institute of Science, Bangalore, India
4. N. Hemachandra, Indian Institute of Technology Bombay, India
5. S. K. Neogy, Indian Statistical Institute (Delhi Unit), India
6. Christiane Tammer, Martin-Luther-University Halle-Wittenberg, Germany
7. Manoj Kumar Tiwari, Indian Institute of Management Mumbai, India
8. V. Vetrivel, Indian Institute of Technology Madras, India

## **Plenary Speakers**

1. Q. H. Ansari, King Fahd University of Petroleum and Minerals, Saudi Arabia
2. Ishan Bajaj, Indian Institute of Technology Kanpur, India
3. Minh Dao, RMIT University, Australia
4. S. Dharmaraja, Indian Institute of Technology Delhi, India
5. Joydeep Dutta, Indian Institute of Technology Kanpur, India
6. Shiv Kumar Gupta, Indian Institute of Technology Roorkee, India
7. Anurag Jayswal, Indian Institute of Technology (ISM) Dhanbad, India
8. Veeraruna Kavitha, Indian Institute of Technology Bombay, India
9. Ketan Rajawat, Indian Institute of Technology Kanpur, India
10. Bismark Singh, University of Southampton, UK
11. K. S. Mallikarjuna Rao, Indian Institute of Technology Bombay, India

## **Invited Speakers**

1. Khushboo Agarwal, International Institute of Information Technology Hyderabad, India
2. Prasit Chalamjiak, University of Phayao, Thailand
3. Watcharporn Chalamjiak, University of Phayao, Thailand
4. Pankaj Gautam, Indian Institute of Technology Roorkee, India
5. Manu Kumar Gupta, Indian Institute of Technology Roorkee, India
6. Akhlad Iqbal, Aligarh Muslim University, India
7. Vidyottama Jain, Central University of Rajasthan
8. Ranjan Kumar Jana, Sardar Vallabhbhai National Institute of Technology, Surat
9. Shyam Kamal, Indian Institute of Technology (BHU) Varanasi, India
10. Suchandan Kayal, National Institute of Technology Rourkela, India
11. Manoj Kumar, National Institute of Technology Jalandhar, India
12. Vivek Laha, Banaras Hindu University, India
13. Vinay Pandey, Indian Space Research Organization, Bengaluru, India
14. Prashant Palkar, Indian Institute of Technology Delhi, India
15. Tanushree Pandit, Cochin University of Science and Technology
16. Dr. Bhupendra Singh, Scientist F, CAIR, DRDO, Bangalore, India
17. Zai-Yun Peng, Yunnan Normal University, China
18. Sujeet Kumar Singh, Indian Statistical Institute (Hyderabad Unit), India
19. Vikas Vikram Singh, Indian Institute of Technology Delhi, India

20. Kuntal Som, Indian Institute of Technology Jodhpur, India
21. Abhineek Shukla, Duke-NUS Medical School, Singapore
22. Prashant Trivedi, BITS Pilani, India
23. Thirumulanathan D., Indian Institute of Technology Kanpur
24. Yong Zhao, Chongqing Jiaotong University, China
25. Zhiang Zhou, Chongqing University of Technology, China

## **Registration**

Please visit the *Registration* page of the conference website  
<https://conferences.iitbhu.ac.in/ICMOTA-2027/>

## **Important Dates**

1. Deadline for abstract submission for presentation: December 31, 2026
2. Acceptance of paper presentation: on or before January 10, 2027
3. Early registration opens on December 1, 2026, and closes on January 20, 2027
4. Late registration opens on January 21, 2027, and closes on February 1, 2027

## **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 [icmota2027.events@iitbhu.ac.in](mailto:icmota2027.events@iitbhu.ac.in)