



# 89<sup>th</sup> Annual Conference of The Indian Mathematical Society AN INTERNATIONAL MEET (IMS 2023)

December 22-25, 2023

## ABOUT THE CONFERENCE AND IMS

The Indian Mathematical Society (IMS), founded in 1907, is the oldest Mathematical Society of the country. Every year, the society organizes its annual conference at different locations of the country. The upcoming 89<sup>th</sup> annual conference of the Indian Mathematical Society will be organized during 22-25 December, 2023 at Birla Institute of Technology and Science - Pilani, Hyderabad Campus, Hyderabad-500078, India. The conference is intended to keep abreast of the latest developments in the field of Mathematics.

## ABOUT THE ORGANIZING INSTITUTE

The Birla Institute of Technology and Science (BITS) Pilani, Hyderabad Campus is an institution of international repute with higher learning in India, since its inception in 2008. It spreads over 200 acres of land at Jawahar Nagar, Shameerpet, Hyderabad. Over the year, BITS has provided the highest quality technical education to students from all over India admitted on the basis of merit. BITS is ranked among the top Engineering Institutes of India. BITS has four campuses, in India – Pilani, Goa, Hyderabad, and Mumbai and one international campus in U.A.E (Dubai).



## IMS OFFICE BEARERS

<i>President</i>	<b>R. Balasubramanian</b>
<i>Immediate Past President</i>	<b>S. D. Adhikari</b>
<i>General Secretary</i>	<b>M. M. Shikare</b>
<i>Administrative Secretary &amp; Treasurer</i>	<b>B. N. Waphare</b>
<i>Academic Secretary</i>	<b>G. P. Raja Sekhar</b>
<i>Editor-in-Chief, The Journal of the Indian Mathematical Society</i>	<b>Peeyush Chandra</b>
<i>Editor-in-Chief, The Mathematics Student Librarian</i>	<b>G. P. Youvaraj M. Pitchaimani</b>

## LOCAL ORGANIZING COMMITTEE

### Chief Patron:

Prof. V. Ramgopal Rao, VC, BITS Pilani.

### Patron:

Prof. G. Sundar,  
Director, BITS Pilani, Hyderabad Campus.

### Advisor:

Prof. P. Yogeeswari,  
Dean Administration, BITS Pilani, Hyderabad Campus.

### Local Organizing Secretary:

Prof. P. K. Sahoo, Head, Dept. of Mathematics  
BITS Pilani, Hyderabad Campus.

### Conveners:

Prof. Sumit Vishwakarma, Prof. Santanu Koley,  
Dr. P. Sajith, BITS Pilani, Hyderabad Campus.

### Members:

Faculty members, Dept. of Mathematics, BITS HYD.

The Academic Programme of the conference consists of Plenary talks, memorial award lectures, invited lectures, symposia and paper presentations.

## PLENARY TALK

**Manjul Bhargava**

Princeton University, USA.

**Helen M. Byrne**

University of Oxford, UK.

## MEMORIAL AWARD LECTURES

- **Hansraj Gupta Memorial Award Lecture:**  
U. K. Anandavardhanan, IIT Bombay.
- **P. L. Bhatnagar Memorial Award Lecture:**  
A.K. Nandakumaran, IISc Bangalore.
- **Ganesh Prasad Memorial Award Lecture:**  
B. V. Rathish Kumar, IIT Kanpur.
- **S. Ramanujan Memorial Award Lecture:**  
D. S. Nagaraj, IMSc Chennai.
- **V. Ramaswamy Aiyer Memorial Award Lecture:**  
Jaya Iyer, IMSc Chennai.

## INVITED TALKS

### Half an Hour Talks

- **Anuradha Kameswari**, Andhra University.
- **R. Radha**, IIT Madras.
- **Ch. Srinivasa Rao**, IIT Madras.
- **Smita Bedekar**, University of Pune.
- **Ganesh Kadu**, University of Pune.
- **R. Thangadurai**, HRI, Prayagraj (Allahabad).
- **Anshumali Srivastava**, Rice University, USA.

## SYMPOSIA TOPICS AND CONVENERS

- **Controllability & Differential Equations:**  
Muslim Malik, IIT Mandi.
- **Recent Trends in Graph Theory:**  
Tarakeshwar Singh, BITS-Pilani, Goa Campus.
- **Theoretical Astrophysics & Cosmology:**  
Farook Rahaman, Jadavpur University.
- **Commutative Algebra:**  
Vijay Kodiyalam, IMSc Chennai.
- **Hyperbolic PDEs and Shock waves:**  
T. Raja Sekhar, IIT Kharagpur.
- **Harmonic Analysis**  
Aparajita Dasgupta, IIT Delhi.

## PAPER AND POSTER PRESENTATIONS

There will be paper presentation sessions for contributory papers. There will also be Poster presentation on the theme of symposia. The abstract of such contributions can be submitted online through the Registration link as given below:

<https://forms.gle/Hd5eFhTT1Ly9XbL7>

**The submission deadline is November 20, 2023.**

All the queries regarding the conference can be sent to:

**Local Organizing Secretary:**

Prof. P. K. Sahoo, Department of Mathematics,  
BITS-Pilani, Hyderabad Campus, Jawahar Nagar,  
Kapra Mandal, Shamirpet, Secunderabad-500078.  
Contact No.: +91-9912564154

Email : [ims2023@hyderabad.bits-pilani.ac.in](mailto:ims2023@hyderabad.bits-pilani.ac.in)

Conference Website:

<https://beta.bits-pilani.ac.in/ims-2023>

## REGISTRATION

**The last date for registration: 15th December 2023.**

Research Scholars/ IMS Members	INR 3500
Others (Non-IMS Members)	INR 4000
Each Accompanying person	INR 2000
Foreign Participants	USD 100
Sessional Membership (For Indian Nationals)	INR 300
Sessional Membership (For foreigners)	USD 30

Participants whose paper/poster is accepted for presentation will have to mandatorily register by paying the relevant registration fee via the registration link

<https://forms.gle/6L9CTkNSKKQqH1Qg6>

Note that if a person would like to attend IMS2023 without presenting a poster / paper then such person has to pay the relevant registration fee. Also, it is mandatory for all participants to be members of IMS or become sessional member. They are encouraged for IMS Life Membership. For details see, <https://www.indianmathsoc.org/Membership-Details.html> or contact Treasurer IMS at [treasurerindianmathsociety@gmail.com](mailto:treasurerindianmathsociety@gmail.com)



## VARIOUS PRIZES / AWARDS FOR RESEARCH PAPER PRESENTATION

To encourage and inspire the young and budding researchers, the Society, during its Annual Conference holds "Special Sessions" of "Paper Presentation Competition" for various prizes to be awarded to the best research papers presented. The notification inviting papers for the Prizes Session and Awards Session can be found at <https://www.indianmathsoc.org/> under the links Notification-IMS Prizes 2023 and Notification-IMS Awards-2023. One may visit <https://beta.bits-pilani.ac.in/ims-2023> for the details about the conference.