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### IMS AWARDS & PRIZES

#### Prizes for the Best Research Paper Presentation during the Conference

In order to encourage and inspire young researchers, eight prizes will be awarded to the best research paper presented in the following categories during the Annual Conference. Each of these prizes carries a certificate and a memento. The details of these prizes and the related research areas are as follows:

- > **IMS Prize Group-1:** Discrete Mathematics (Combinatorics, Graph Theory, Posets), Lattice Theory, Set Theory, Logic, Number Theory and related areas.
- > **IMS Prize Group-2:** Geometry, Algebraic Geometry, Topology, Algebraic Topology, and related areas.
- > **IMS Prize Group-3:** Measure Theory, Probability Theory, Stochastic Processes, and related areas.
- > **IMS Prize Group-4:** Differential / Integral / Functional equations and Inequalities, Special Functions, Numerical Analysis and related areas.
- > **IMS Prize Group-5:** Solid Mechanics, Fluid Mechanics, Electromagnetic Theory, Magneto-hydrodynamics, Astronomy, Astrophysics, Relativity and related areas.
- > **IMS Prize Group-6:** Operations Research, Optimization, Computational Mathematics, Information Technology, Bio-mathematics, History of Mathematics and related areas.
- > **AMU Prize:** Algebra, Differential Geometry and Functional Analysis.
- > **V. M. Shah Prize:** Real Analysis, Complex Analysis, Fourier Analysis, Harmonic Analysis, Approximation Theory and related areas.

**A. Narasinga Rao Memorial Prize:** The A. Narasinga Rao Memorial Prize is given in the Annual Conference of the Society for the best paper published in 2024 either in The Journal of the Indian Mathematical Society or in The Mathematics Student. The prize carries a Certificate and Cash prize of Rs. 4000.

**P. L. Bhatnagar Memorial Prize:** Awarded to the top scorer(s) from the Indian Team at the International Mathematical Olympiad. The prize is given during inaugural function of the Annual Conference of the IMS.

In an endeavour to appreciate good research work, the IMS has instituted awards for research publications in specific areas. Each such award carries a citation and a cash prize. The General Secretary invites applications for these awards every year. At present the IMS has the following awards: A. K. Agarwal Award, A. M. Mathai Award, Satish Bhatnagar Award, Subhash Bhatt Award, P. K. Jain Award, B. N. Waphare Award, J. B. Shukla Award, and Satya Deo Award.

For more details, see the IMS website:  
<https://indianmathsoc.org/index.html>

### MEMORIAL AWARD LECTURES

- > P. L. Bhatnagar Memorial Award Lecture :  
Prof. Rajen Kumar Sinha, IIT Guwahati
- > Hansraj Gupta Memorial Award Lecture :  
Prof. Shrawan Kumar, Univ. of North Carolina
- > Srinivasa Ramanujan Memorial Award Lecture :  
Dr. P. K. Saxena, PSA Fellow, Govt. of India
- > V. Ramaswamy Aiyer Memorial Award Lecture :  
Prof. Ramji Lal, University of Allahabad
- > Ganesh Prasad Memorial Award Lecture :  
Prof. S. Ponnusamy, IIT Madras

### PLENARY LECTURES

- > (V. K. Patodi Plenary Lecture) Prof. Ezra Getzler, Northwestern University, Chicago, USA
- > Prof. Subhash Khot, Courant Institute, New York, USA

### INVITED TALKS

- > Prof. P. D. N. Srinivasu, Andhra University
- > Dr. Debajyoti Choudhuri, IIT Bhubaneswar
- > Dr. S. B. Dhotre, S. P. Pune University
- > Prof. Stephan Baier, RKMVERI Howrah, Kolkata
- > Prof. B. S. Desale, University of Mumbai
- > Prof. Usha K. Sangale, SRTM University, Nanded
- > Prof. Srinivas Kotyada, IMSc Chennai
- > Prof. H. S. Dhami, Surajmal University

### SYMPOSIUMS

#### >Inverse and Ill-posed Problems

Convenor: Prof. Santosh George, NIT Surathkal  
Speakers: Prof. Pallavi Mahale, VNIT Nagpur, Prof. M. T. Nair, BITS Pilani, Goa, Prof. Robert Plato, Universität Siegen, Prof. Ankik Giri, IIT Roorkee, Prof. Manas Kar, IISER Bhopal

#### >Algebraic and Differential Topology

Convenor: Prof. Himadri Kumar Mukerjee, NEHU  
Speakers: Dr. Ajay Singh Thakur, IIT Kanpur, Dr. Sainikumar M. Mawiong, NEHU, Dr. Kuldeep Saha, TCG CREST, Kolkata, Dr. Ardeline M. Buhphang, NEHU

#### >Operation Techniques

Convenor: Prof. S. K. Upadhyay, IIT Varanasi  
Speakers: Prof. Romesh Kumar, University of Jammu, Dr. Ashish Pathak, BHU Varanasi, Prof. Lalit Kumar, University of Delhi, Prof. A. Swaminathan, IIT Roorkee, Prof. S. Ahmad Ali, BBD University

#### >Representation Theory of Lie Algebras

Convenor: Prof. Punita Batra, HRI Prayagraj  
Speakers: Dr. Tanusree Khandai, IISER Mohali, Dr. Saudamini Nayak, NIT Calicut, Dr. Umamaheshwaran Arunachalam, SASTRA

#### >Function Theory (Harmonic Mappings, Quasiconformal Mappings, Function Spaces, Special Functions, Several Complex Variables and related areas)

Convenor: Prof. S. K. Sahoo, IIT Indore  
Speakers: Dr. Sushil Gorai, IISER Kolkata, Dr. Sairam Kaliraj, IIT Ropar, Dr. P. Muthukumar, IIT Kanpur, Dr. Rakesh Parmar, Pondicherry University

#### >Recent Advances in Algebra

Convenor: Prof. Meena Sahai, University of Lucknow  
Speakers: Prof. Sudhir R. Ghorpade, IIT Bombay, Prof. Victor Bovdi, UAE University, Prof. Tibor Juhász, EKC University, Hungary, Prof. R. K. Sharma, South Asian University, Prof. Jugal K. Verma, IIT Gandhinagar

A Special Session on "How to make mathematics more palatable specially at High School and +2 level" will be organized in the conference & will be chaired by Prof. S. S. Khare, NEHU, Shillong.



## 91<sup>ST</sup> Annual Conference of the Indian Mathematical Society - An International Meet

### December 26-29, 2025



**IMS**  
INDIAN MATHEMATICAL SOCIETY

### Organized by

**Department of Mathematics and Astronomy  
University of Lucknow  
Lucknow, U.P. 226007  
Bharat**

(Accredited A++ By NAAC)

### About University of Lucknow

Established on November 25, 1920, University of Lucknow is one of the oldest and largest state universities in Uttar Pradesh. It is a teaching, residential, and affiliating university, organized into 13 faculties, 51 departments, 16 institutes & centers, and over 550 affiliated colleges across five districts. It is accredited A++ by NAAC and is recognized by UGC as Category 1 University. The main campus is spread over an area of 147 acres and has a second campus covering 76 acres.

### About Department of Mathematics & Astronomy

The Department of Mathematics and Astronomy came into existence in 1921, when the then Canning College was taken over by the newly constituted Lucknow University. As a unit for conducting teaching and research, it has acquitted itself creditably during this period of over a century. On the teaching side, instruction is being imparted to the UG and PG level students. The UG courses have undergone significant changes as per the NEP 2020 and form a useful combination of the essentials of the pure and applied mathematics with emphasis on modern approach. The PG courses offer a wide range of specializations in many branches of pure and applied mathematics. Facilities exist for advanced work in several modern areas of mathematics which include algebra, analysis, geometry and mechanics. Presently, the department has positions of twenty-five faculty members.

### About IMS

The Indian Mathematical Society is a non-profit organization devoted to the promotion of Mathematics Education and Research. Its central activity is to inspire and encourage researchers, students and all the mathematics-loving persons. It started publishing a periodical 'Progress Reports' right from its inception, which in the year 1910 turned into The Journal of the Indian Mathematical Society. It may be worth mentioning that the greatest Indian mathematician of our time, Srinivasa Ramanujan published many of his works in the Journal of the Indian Mathematical Society. The IMS organizes annual conferences to encourage young researchers to present their works and interact with the experts. Currently, IMS has more than 4600 life members.

### About Lucknow

Lucknow is the capital city of the Indian state of Uttar Pradesh and is situated on the banks of the river Gomati. Lucknow's origins are deeply rooted in ancient times, with tradition linking its name to Lakshmana, brother of Lord Rama. Situated at a distance of 500 kms from New Delhi, the city is well connected by air, train and road with major cities of the country. December is one of the best months to visit Lucknow. The mild temperatures, low humidity, and minimal rainfall create ideal conditions for sightseeing, enjoying the local cuisine, and experiencing the city's rich cultural heritage. Average day and night temperature ranges between 18°-24°C and 8°-13°C, respectively. Ayodhya, Prayagraj and Varanasi are nearby places of tourist attraction.

### Chief Patron

Prof. Manuka Khanna  
Vice Chancellor, University of Lucknow

### Patron

Prof. S. S. Khare  
President, Indian Mathematical Society

### Advisory Board

Prof. H. L. Manocha, IIT Delhi  
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Prof. Vivek Sahai  
Head  
Department of Mathematics and Astronomy, UoL

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Dr. Ankit Bajpai	Dr. Vineesh Kumar

### Call for Papers & Posters Presentation

*The participants are invited to submit the abstract of their research papers/posters for presentation at the conference. The submitted abstracts will be screened and the decision on their selection will be communicated to the participants. For submission of abstracts of the papers/posters following link may be used:*



<https://forms.gle/A47hZSPzprMAD6pg9>

### Important Dates

Registration Commences: August 01, 2025  
Last Date for Submission of Abstracts: November 20, 2025  
Decision on Selection of Abstracts: November 30, 2025  
Last Date of Registration: December 08, 2025

Conference Email ID: [ims2025@lkouniv.ac.in](mailto:ims2025@lkouniv.ac.in)  
Conference Website: <https://sites.google.com/lkouniv.ac.in/ims-2025>



For registration scan the QR code or click on the link below



<https://forms.gle/uqtaXzwM4AsBw9S86>

### Registration Charges

For Indian Nationals	WITH ACCOMMODATION	WITHOUT ACCOMMODATION
IMS Life Members	INR 4500	INR 3000
Others (Non IMS Life Members)	INR 5300*	INR 3300*
Research Scholars (Non IMS Life Members)	INR 4800*	INR 3300*
Accompanying Person	INR 2500	INR 2500

\* (Including INR 300 for Sessional Membership)

For Foreign Participants	WITH ACCOMMODATION	WITHOUT ACCOMMODATION
IMS Life Members	USD 150	USD 75
Others (Non IMS Life Members)	USD 180*	USD 105*
Accompanying Person	USD 60	USD 60

\* Including USD 30 for Sessional Membership (Foreign Nationals)

Note: The conference registration fees include the conference kit, shared hostel accommodation, breakfast, lunch, tea/snacks, dinner on all conference days and access/admission to technical sessions as part of the conference. For participants without accommodation, lunch, tea/snacks will be available.

It is mandatory for all participants to be members of IMS or take sessional membership. They are encouraged to apply for IMS Life Membership. See details here: <https://indianmathsoc.org/Membership-Details.html>  
Or contact Treasurer IMS at [treasurerindianmathsociety@gmail.com](mailto:treasurerindianmathsociety@gmail.com)

### Bank Account Details

Account Name: Head Dept of Mathematics and Astronomy  
University of Lko  
Account Number: 44285186537  
IFSC: SBIN0014906  
Bank Name & Branch: State Bank of India, Lucknow University Branch

Foreign Nationals may use the following SWIFT  
Code for Payment: SBININBB157

UPI ID: [hodofmathematics@sbi](mailto:hodofmathematics@sbi)

