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MANIPAL
ACADEMY of HIGHER EDUCATION
(Institution of Eminence Deemed to be University)



International Conference on Linear Algebra and its Applications (ICLAA 2025)

December 17 - 20, 2025



Endorsed by



International Linear
Algebra Society

Preconference Workshop
Special Matrices, Graphs and Applications
December 10-16, 2025

Organized by
Centre for Advanced Research in Applied Mathematics and Statistics
MAHE, Manipal, Karnataka 576 104, India

In association with

Department of Mathematics, MIT, MAHE, Manipal,
Department of Applied Statistics and Data Science, PSPH, MAHE, Manipal.

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Visit us at <https://carams.in/>

Venue: Manipal Institute of Technology, Manipal, India

About the Conference

The present conference ICLAA 2025, the sixth in its sequel, shall provide a platform for leading Mathematicians and Statisticians, working around the globe in the theme area to discuss several research issues and to introduce new innovations. The main goal of the conference is to bring experts, young researchers, and students together to present recent developments in this dynamic and important field. The conference also aims to stimulate research and support the interaction among the scientists by creating an environment for the participants to exchange ideas and to initiate collaborations and professional partnerships. Besides organizing invited talks from eminent speakers, we also invite participants to present their research work in the sessions of contributory talks.

On behalf of the Scientific Advisory Committee, and the Local Organizing Committee, we have much pleasure in extending a cordial invitation to participate in this conference.

The theme of the conference shall focus on but not limited to

- Classical Matrix Theory and Linear Algebra
- Nonnegative Matrices and Special Matrices
- Matrices and Graphs
- Combinatorial Matrix Theory
- Matrix Methods in Statistics
- Linear Statistical Inference
- Matrices in Error Analysis and its Applications.
- Matrix and Graph Methods in Applied Sciences

This conference is in sequel to the conferences CMTGIM 2012, ICLAA 2014, ICLAA 2017, and ICLAA 2020(21), ICLAA 2023 held in Manipal during January 2012, December 2014, December 2017, December 2021, and December 2023, respectively. The present conference shall provide an avenue for leading Mathematicians, Statisticians, and scientists working in the applied area, who are working around the globe in the theme area to get together in the physical space, interact each other, discuss several research issues and to introduce new innovations. Besides organizing invited talks from eminent speakers, organizers invite the participants to present their research work in the sessions of contributory talks.

All original papers selected for presentations will be forwarded to the review process in the appropriate conference publications. For more details, visit: carams.in/events/iclaa2025/.

Preconference Workshop; IWSMGA 2025

Preconference workshop ‘International Workshop on Special Matrices, Graphs, and Applications’ will be held during December 10-16, 2025. The workshop is aimed at training young students, scholars, and faculty interested in the focus area of special matrices, graphs, and their applications. Sessions in the workshop include lectures, tutorials and discussion on recent research trends in special matrices and graphs by Abraham Berman, Stephen J Kirkland, Simo Puntanen, T E S Raghavan, S K Neogy, Sukanta Pati, Sivaramakrishnan Sivasubramanian and other leading personalities of the subject. Conference participants may seek participation in the workshop. The number of participants in the workshop is restricted. Participants who could gain the benefit from the course will be chosen as the applications arrive. The course conducted in the workshop will carry a credit of two. For the final list of speakers and the exact topics to be covered, please see <https://carams.in/>.

About MAHE, Manipal

Manipal Academy of Higher Education is synonymous with excellence in higher education. MAHE is one of India’s leading academic and research institutions. It ranks 7th among Indian universities as of 2022. It has been granted Institution of Eminence status by the Ministry of Education, Government of India. Over 35,000 students from 60+ different nations live, learn and play in the sprawling University town, nestled on a plateau in Udupi district of Karnataka. It also has nearly 3,000+ faculty and almost 10,000+ other support and service staff, who cater to the various professional institutions in Health Sciences, Engineering, Management, Communication and Humanities which dot the Wi-Fi-enabled campus. The MAHE has off-campus in Mangaluru, Bengaluru, and Jamshedpur and an off-shore campus in Dubai (UAE). The Mangaluru campus offers Medical and Dental programs. The Bengaluru campus offers programs in Regenerative Medicine, Engineering, Art & Design, Humanities, Liberal Arts, Social Sciences, Law, and Management. The Dubai campus offers programs in Engineering, Management, Architecture, Information Sciences, Media Communication, etc. Every institute has world-class facilities and pedagogy, which are constantly reviewed and upgraded to reflect the latest trends and developments in higher education. Presently MAHE offers about 300+ programs in 31+ streams which include undergraduate, postgraduate, and postdoctoral levels at its campuses in India and overseas. For more details, visit <https://manipal.edu/>.

For more details, visit: carams.in/events/iclaa2025/

About CARAMS

CARAMS has been established in September 2018 at MAHE with the objective of fostering advanced research and training in the area of Mathematics, Statistics and their applications. It facilitates to bridge the gap between Mathematicians/Statisticians and Applied Mathematicians working in the area of Health, Technological, and Social Sciences.

How to Register?

Enroll in our portal using the link <http://carams.in/registration> and then sign in ‘My Page’ for further registration, guidelines for online fee payment, uploading of personal information, title and abstract of talk, and any relevant information.

Speakers

- Rafikul Alam**, IIT Guwahati, India

Ravindra B. Bapat, ISI Delhi Center, India

Sudeep R Bapat, IIT Bombay, India

Sasmita Barik, IIT Bhubaneshwar, India

Abraham Berman, Technion-Israel Inst. of Tech., Israel

Susmita Datta, University of Florida, USA

Biswajit Deb, SMIT, Sikkim, India

N Eagambaram, Indian Statistical Service (Retd.), India

Shaun M Fallat, Uni. Of Regina, Canada

Chengcheng Hao, Shanghai Uni. Int. Bus. Eco., China

Stephen J. Haslett, Massey Uni. New Zealand

Surender Kumar Jain, Ohio University, USA

Sachindranath Jayaraman, IISER Trivandrum, India

Debajit Kalita, Tezpur University, India

Rajesh Kannan, IIT Hyderabad, India

Apoorva Khare, IISc Bengaluru, India
- Stephen Kirkland**, University of Manitoba, Canada

Andre Leroy, Universit´e d’Artois, Lens, France

Yonghui Liu, Shanghai Uni. Int. Bus. Eco., China

Lina Mallozzi, Università di Napoli Federico II, Italy

Bojan Mohar, Simon Fraser University, Canada

S. K. Neogy, ISI Delhi Center, India

Sukanta Pati, IIT Guwahati, India

Simo Puntanen, Tampere University, Finland

Balaji Ramamurthy, IIT Madras, India

T. E. S. Raghavan, Univ. Illinois at Chicago, USA

TSSRK Rao, MAHE & Shiv Nadar Uni., India

Dietrich von Rosen, Linköping University, Sweden

Arumugam S., Ramco Inst. of Tech., Tamil Nadu, India

K. C. Sivakumar, IIT Madras, India

Sivaramakrishnan Sivasubramanian, IIT Bombay, India

Murali K. Srinivasan, IIT Mumbai, India

Ambat Vijayakumar, CUSAT, Cochin, India

The above is the initially confirmed list of speakers and for the update refer to carams.in/events/iclaa2025/.

Registration Fee (MAHE Faculty/Students are exempted from paying GST)

Category	Conference		Workshop	
	Before Oct 31	After Oct 31	Before Oct 31	After Oct 31
Foreign Delegates (FD)	350 \$/ 330 € #	400 \$/ 370 € #	110 \$/ 100 € #	135 \$/ 125 € #
Foreign Accompanying	110 \$/ 100 €	110 \$/ 100 €	110 \$/ 100 €	135 \$/ 125 €
Indian Scholar/Faculty (ISF)	4000 INR + GST #	4500 INR + GST #	1000 INR + GST*	1500 INR + GST *
Indian Students **	1000 INR + GST *	1000 INR + GST *	1000 INR + GST *	1000 INR + GST *

: The registration fee covers accommodation at Hostel/International Guest House, MAHE, registration kit, breakfast at venue, working lunch, and welcome dinner on 16th December.

*: The amount excludes accommodation charges, which is to be paid as per norm.

**: Indian students or research scholars not having any financial support of fellowship/salary.

Invited speakers are eligible for a registration fee waiver for the events to which he/she is invited.

Accommodation from the organizer will be arranged, if any, for the duration starting from the evening before the event and up to morning after the event.

CARAMS aims at supporting the travel and registration of senior and young scientists not having the fund support to present the paper, on the request made before November 30, 2025. However, such support (which could be partial) will be provided depending on the fund support received from the different organizations.

Deadlines (both ICLAA & IWSMGA)

- For early bird registration: **October 31, 2025**
- Abstract submission: **November 15, 2025** (For presentation)

Timeline for submission of paper for journal publications: Visit publication section in carams.in/events/iclaa2025/.