Centre for Advanced Research in Applied Mathematics and Statistics
Manipal Academy of Higher Education, Manipal
Karnataka 576 104, India

In association with
Department of Data Science, PSPH, MAHE, Manipal, Department of Mathematics, MIT, MAHE, Manipal,
Department of Mathematics, SMIT, Sikkim.

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International Conference on Linear Algebra and its Applications
(ICLAA 2021)

December 15 - 17, 2021

ICLAA 2021 will be held in the hybrid format

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Visit us at http://carams.in/iclaa2021
About the Conference
The present conference 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 between the scientists by creating an environment for the participants to exchange ideas and to initiate collaborations and professional partnerships. ICLAA 2021 is in sequel to the conferences CMTGIM 2012, ICLAA 2014, and ICLAA 2017 held in Manipal during January 2012, December 2014, and December 2017, respectively.

The theme of the conference shall focus on

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

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 has been granted Institution of Eminence status by the Ministry of Human Resource Development, Government of India. Over 28,000 students from 57 different nations live, learn and play in the sprawling University town, nestled on a plateau in Udupi district of Karnataka. It also has nearly 2500 faculty and almost 10000 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 University has off-campuses in Mangalore and Bangalore, and off-shore campuses in Dubai (UAE) and Melaka (Malaysia). The Mangalore campus offers medical, dental, and nursing programs. The Bangalore Campus offers programs in Regenerative Medicine. The Dubai campus offers programs in Engineering, Management and Architecture, and the Melaka campus offers programs in Medicine and Dentistry. Every institute has world class facilities and pedagogy, which are constantly reviewed and upgraded to reflect the latest trends and developments in higher education. For more details visit us https://manipal.edu/.

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. For more details visit: http://carams.in

Special Issue and Proceedings
We are exploring the journal in which a special issue can be dedicated to the conferences. For further updates, visit https://carams.in/.

Proceedings: We also invite, research and expository articles in the form of chapters focused on the theme area of ALAPS 2020, IWMS 2021 and ICLAA 2021 for the possible publication in a proceeding. Title of the book in honor of Prof. C. R. Rao will be “Applied Linear Algebra, Probability, and Statistics”.

Speakers
Rafikul Alam, Indian Inst. of Tech. Guwahati, India
S. Arumugam, Amrita Vishwa Vidyapeetham, India
N. Balakrishnan, McMaster University, Canada
Ravindra B. Bapat, Indian Stat. Inst., Delhi, India
Adi Ben-Israel, Rutgers Business School, USA
Abraham Berman, Technion-Israel Institute, Israel
B. V. Rajaram Bhat, Indian Stat. Inst., Bangalore, India
Shaun M. Fallat, University of Regina, Canada
Surender Kumar Jain, Ohio University, USA
Apoorva Khare, Indian Inst. Of Sci., Bangalore, India
Samir K. Neogy, Indian Stat. Inst., Delhi, India
Sukanta Pati, Indian Inst. of Tech. Guwahati, India
Simo Puntanen, Tampere University, Finland
T. E. S. Raghavan, Uni. of Illinois at Chicago, USA
Balaji R. Indian Inst. of Tech. Madras, India
K. P. S. Bhaskara Rao, Indian Uni. Northwest, USA
T. S. S. R. K. Rao, Ashoka University, Haryana, India
Sharad Sane, Chennai Math. Inst. Chennai, India
K. C. Sivakumar, Indian Inst. of Tech. Madras, India
M. K. Srinivasan, Indian Inst. of Tech. Bombay, India
S. Sivaramakrishnan, Indian Inst. of Tech. Bombay, India

Hans Schneider ILAS lecture (2020): Stephen J. Kirkland, University of Manitoba, Canada

The above is the initially confirmed list of speakers and for the update, refer to https://carams.in/events/iclaa2021/

Registration Fee (for In Person Participation)

<table>
<thead>
<tr>
<th>Category</th>
<th>IWMS 2021</th>
<th>IWMS 2021 + ICLAA 2021</th>
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<tbody>
<tr>
<td>Foreign Nationals</td>
<td>$350</td>
<td>$350</td>
</tr>
<tr>
<td>Indian Nationals, Research Scholars and Faculty</td>
<td>₹2000 + GST</td>
<td>₹3500 + GST</td>
</tr>
<tr>
<td>Indian Students having no funding support</td>
<td>₹1000 + GST</td>
<td>₹2000 + GST</td>
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There is no GST for the Faculty/Research Scholars/UG/PG Students of MAHE

Registration Fee for Accompanying Person

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Registration Fee (for Virtual Participation)

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<tbody>
<tr>
<td>Foreign Nationals</td>
<td>$100</td>
</tr>
<tr>
<td>Indian Nationals, Research Scholars and Faculty</td>
<td>₹1000 + GST</td>
</tr>
</tbody>
</table>

Participants seeking the certificate of participation must pay the registration fee on time as above. Registration fee covers registration kit, breakfast, lunch and dinner.

Important Dates:

- Last date for registration: December 01, 2021
- Last date for abstract submission: November 25, 2021
- Notification of abstract acceptance: December 05, 2021
- In case of delegates making virtual presentation, deadline for registration, payment of registration fee, submission of abstract and submission of pre-recorded talk is November 15, 2021.

Accommodation
Since arranging safe single accommodation away from the population is preferred, participants will be charged for their accommodation at the guest house. The cost of single accommodation is approximately 1000 INR + GST per night.

For more details visit: https://carams.in/events/iclaa2021/

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