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MANIPAL
ACADEMY of HIGHER EDUCATION
(Deemed to be University under Section 3 of the UGC Act, 1956)



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in
Applied Mathematics and Statistics
MAHE, Manipal

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International Workshop on Matrices and Statistics (IWMS 2020)

December 15-17, 2020



Centre for Advanced Research in
Applied Mathematics and Statistics
Level VI, Health Sciences Library Building
Manipal Academy of Higher Education, Manipal
Karnataka 576 104, India

Visit us at <http://carams.in/iwms2020>

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About the Workshop

The purpose of the workshop is to stimulate research and, in an informal setting, to foster the interaction of researchers in the interface between statistics and matrix theory. The workshop will provide a forum through which statisticians may be better informed of the latest developments and newest techniques in linear algebra and matrix theory and may exchange ideas with researchers from a wide variety of countries.

As well as range of plenary speakers we are to strengthening the interactions between participants by organizing a range of mini-symposia in various specialist areas. Beside organizing invited talks from eminent speakers, we invite participants to submit their research articles in the sessions of contributory talks.

The theme of the workshop shall focus on the theory and applications of the following topics in different branches of science such as Biology, Computer and Information Science, Economics, Electronics, Genetics, Office Statistics, Social Statistics and Accountancy.

- Matrix Analysis
- Projectors in Linear Models & Multivariate Analysis
- Growth Curve Models
- Linear Regression Models
- Linear Statistical Inference
- Modelling Covariance Structures
- Multivariate and Mixed Linear Models
- Statistics in Big Data Analysis

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-campus 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 the bridging of the gap between Mathematicians/Statisticians and Applied Mathematicians working in the area of Health, Technological, and Social Sciences.

Visit <http://carams.in> for more details

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.

We invite submission of articles (which are in the focus of ELA not necessarily presented in ICLAA 2020/IWMS 2020) to be published by ELA. Other articles within the scope of IWMS and ICLAA may be submitted to the proceedings of IWMS 2020/ICLAA 2020.

Speakers

N. Balakrishnan, McMaster University, Canada
Adi Ben-Israel, Rutgers Business School, Newark
Arup Bose, Indian Statistical Institute, Kolkata
Johann Gagnon-Bartsch, University of Michigan, USA
Michael J. Greenacre, Univ. of Pompeu Fabra, Barcelona
Stephen J. Haslett, Massey University, New Zealand
Jeffrey Hunter, Auckland Univ. of Tech., New Zealand
Lynn Roy LaMotte, LSU Health Sciences Center, USA
Vijayan Nair, University of Michigan, USA

Naveen Naidu Narisetty, University of Illinois, USA
Jianxin Pan, University of Manchester, United Kingdom
Simo Puntanen, Tampere University, Finland
B. L. S. Prakasa Rao, CR Rao AIMSCS, Hyderabad
Dietrich von Rosen, SLU Uppsala, Sweden
George P. H. Styan, McGill University, Canada
Kimmo Vehkalahti, University of Helsinki, Finland
Julia Volaufova, LSU Health Sciences Center, USA

The above is the initially confirmed list of speakers and for the update refer to <http://carams.in/iwms2020>.

Registration Fee

Category	IWMS 2020	IWMS 2020 + ICLAA 2020
Foreign Nationals	\$350	\$350
Indian Nationals, Research Scholars and Faculty	₹2000 + GST	₹3500 + GST
Indian Students having no funding support	₹1000 + GST	₹2000 + GST

There is no GST for the Faculty/Research Scholars/UG/PG Students of MAHE

Registration Fee for Accompanying Person

Category	IWMS 2020	IWMS 2020 + ICLAA 2020
Foreign Nationals	\$200	\$200
Indian Nationals, Research Scholars and Faculty	₹1000 + GST	₹2000 + GST

Accommodation

Registration fee covers registration kit, breakfast, lunch and dinner. Accommodation at a Guest House/Shared flats/Hostel/Fortune Inn Valley View will be arranged, on prior request on a payment basis. The payment towards the hostel accommodation may be partially/fully waived off/reimbursed by the organizers depending on the availability of funds.

Important Dates

Last date for registration :
December 01, 2020
Last date for abstract submission :
November 20, 2020
Notification of abstract acceptance :
December 05, 2020

CRR Day - A day in honor of Professor C. R. Rao :

Professor C. R. Rao is among great Indian Statisticians, the world ever seen, and we are all proud of observing him to be on his 100 year in the year 2020. CARAMS, MAHE would be very glad to celebrate the occasion and dedicate the common day, December 17, 2020, of IWMS 2020 and ICLAA 2020.

For more info visit us at <http://carams.in/iwms2020>