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Ms. N. G. Sudhamani
Department of Statistics, Manipal University, Manipal



ICLAA 2017



International Linear
Algebra Society

International Conference on

Linear Algebra and its Applications

December 11-15, 2017

For more details, kindly contact

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Conference website : www.iclaa2017.com

Conference email id : iclaa2017@gmail.com

About Conference

The theme of the conference shall focus on

- Classical Matrix Theory
- Matrices and Graphs
- Combinatorial Matrix Theory
- Matrix and Graph Methods in Statistics, and
- Covariance Analysis and Applications.

Linear Algebra and Graph Theory are important branches of mathematics having applications in each and every branch of applied science. The topic 'Matrix Methods in Statistics' is a branch of linear algebra and matrix theory containing a variety of challenging problems in linear statistical models and statistical inference having applications in various branches of applied statistics such as natural sciences, medicine, economics, electrical engineering, markov chains, digital signal processing, pattern recognition and neural network, to name a few. Advances in combinatorial Matrix theory are motivated by a wide range of subjects such as Networks, Chemistry, Genetics, Bioinformatics, Computer Science, and Information Technology. The areas of classical matrix theory and combinatorial matrix theory interact with each other, which is evident from the interplay between graphs and matrices. Generalized inverses of matrices such as the incidence matrix and Laplacian matrix are mathematically interesting and have great practical significance. Covariance matrices play an important role in the study of uncertainty associated with data related to measurements, which is an important part of applied Mathematics and Statistics.

This conference is in sequel to the conferences 'CMTGIM 2012' and 'ICLAA 2014' held in Manipal during January 2012 and December 2014, respectively. 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. This conference also dedicates a few sessions to 'Applications of Covariance Analysis' in Nuclear Data, and plans a preconference meeting on 'Applications of Linear Model in the Evaluation of Nuclear Data', which is an important topic in the Indian context. The event is also expected to provide a platform for the interactions between Mathematicians, Statisticians and Data Scientists.

About Manipal University and the Department of Statistics:

Manipal University is located in Manipal, Karnataka, India. It also has campuses in Bangalore, Mangalore, Jaipur, Sikkim, Dubai, Malaysia and Antigua which offers various programs in various fields of engineering, medicine and management. Manipal University, Manipal campus is divided in two areas: the one is a health sciences campus and the other is an engineering campus. Manipal University has been imparting world class education for over 60 years and over 28,000 students on campus from 57 different nations study here. Kasturba Medical College (KMC), Manipal has one of the finest learning environments in South Asia, with infrastructure and faculty that support students to hone their skills. KMC, Manipal Health Sciences Library is one of the largest libraries in Asia which provides services like e-Learning, Reference Service,

Current Awareness Service, Audio-Video Viewing, Internet access Wi-Fi and DELNET online and more. Also, it has one of the world's best anatomy museum and various other centers of excellence. The mission of Manipal University, Manipal is to be in the top 10 in every discipline of education health sciences, engineering and management. For more details, visit www.manipal.edu.

The department of Statistics was established on August 1, 2006. The department offers a Masters program in Biostatistics, a Certificate program in Biostatistics, Epidemiology and Research Methodology and a Doctoral Program. The Department also offers statistical consultancy to postgraduates and undergraduate students of various health science courses. The department offers a PhD program in collaboration with the Pharmaceutical industry Novartis Health care Ltd., Hyderabad. The department conducts "Executive Education Program in Biostatistics" in collaboration with Novartis Health care Ltd., Hyderabad. The department is equipped with a state of the art computational facility and is in possession of packages such as R, nMaster, EndNote, SPSS, STATA and SAS. The department has received research grants worth more than 1.5 Crore and has collaboration with various national and international organizations. The department regularly conducts conferences, workshops and seminars on various advanced statistical methods and Mathematics. For more details visit <http://www.manipal.edu/dos.html>

How to Apply?

Delegates may apply for registration by filling out the application form for registration available online (www.iclaa2017.com/registration) and the payment can be done through the payment gateway. The Registration fee may be paid through the crossed DD drawn in favor of "**Manipal University conference/workshop**" payable at Manipal or Udupi, and sent the same to the following address:

Organizing Secretary, ICLAA 2017

Department of Statistics, Level VI, Health Sciences Library Building, Manipal University, Manipal, Karnataka, 576 104 India.

Email: iclaa2017@gmail.com

Accommodation

Registration Fee includes conference kit, lunch, tea and a decent accommodation at a guest house/ shared flats/hostel. Delegates seeking accommodation at 'Fortune Inn Vally View' may contact the organizers to avail the benefit of MU discounts.

Important Dates

Last date for submission of application : September 01, 2017
Early bird payment of registration fee : September 01, 2017
Last date for submission of abstract of talk : September 30, 2017
Notification of Acceptance : October 15, 2017

For the further details, please visit www.iclaa2017.com

Registration Fee

Category	Early Bird Registration	Late Registration
Indian Academic/ industrial delegate	₹5000/-	₹5500/-
Student delegate	₹2500/-	₹3000/-
Student delegate without accommodation	₹1000/-	₹1500/-
International delegate	\$ 500(€ 450)	\$ 500(€ 450)

The research students/PG students not receiving any financial support may apply for registration in the student category and are requested to present a letter in support for the same from The HOD/ Supervisor at their parent institution.