



3rd International Conference

on

Recent Advances in Mathematical Sciences and its

Applications (RAMSA-2019)

(January 17-19, 2019)

Organized by

Department of Mathematics

Jaypee Institute of Information Technology

A-10, Sector-62, Noida, U.P.-201307, India

Website: www.ramsa2019.com

ABOUT JIIT

The Jaypee Institute of Information Technology (JIIT) is declared as a deemed to be University under section 3 of UGC Act 1956. JIIT is fully backed and supported by the Jaypee Group of Companies through its not-for-profit trust – Jaiprakash Sewa Sansthan (JSS). It is situated near the Electronic City at Noida and is at a distance of about 3 Kms from New Delhi – UP border. The state-of-the-art campus aims at becoming a center of excellence in the field of information technology & related emerging areas of education, training and research comparable to the best in the World for producing professionals who shall be leaders in innovation, entrepreneurship, creativity and management. The University offers Doctoral (Ph. D.), Post Graduate (M. Tech. and MBA) as well as Under Graduate (B. Tech.) programs in the various disciplines of Engineering, Sciences and Management. JIIT is a NAAC Accredited, AICTE approved and NIRF Ranked Institute in Delhi NCR.

ABOUT THE HOST DEPARTMENT

Mathematics plays a key role in the development of modern sciences, engineering, management and many other important areas of activities. With this aim in mind the Department of Mathematics was established from the very inception with a Vision to attain excellence in teaching and research and become a leader in the field of mathematics and its applications. Besides catering to the basic needs of the various B. Tech. / M. Tech. / Ph. D. programs of the Institute, it had a strong fervor towards research and development. The Department has a good blend of pure and applied Mathematicians which provides a vibrant research atmosphere. The specializations of the faculty members cover most of the important and emerging areas of Mathematics. The main research groups of the Department involve: Fractals and Chaos, Mathematical Analysis; Numerical Analysis and Computational Continuum Mechanics; Statistics, Queuing, Fuzzy and Information Theory, Wave Propagation and Wavelets. The Department is also actively involved in its own research and development activities through its M. Tech. (Applied and Computational Mathematics) and Ph.D. Programs.

GOAL OF THE CONFERENCE

The aim of the conference is to bring together learned mathematicians, scientists, engineers, researchers from industry and research scholars working in the different areas of mathematics. This will provide a platform for exchange of ideas regarding the research findings and new advances in mathematics in the wide area of mathematics, sciences and engineering and to discuss the practical challenges encountered in the different domains of applications and the solutions adopted thereto. Further, it will provide an opportunity to enhance collaboration among researchers not only from the various parts of the country but also with those from abroad. The scientific program will consist of Keynote/plenary/invited lectures and parallel sessions for contributed presentations. The main emphasis will be on the vibrant applicational aspects of applied mathematics in relation to diverse areas of engineering and sciences. The invited lectures and refereed contributed papers will be published in the proceedings after due reviewing process by the committee of experts in various disciplines. The conference proceedings of the previous series of RAMSA were published by **AIP (Scopus Indexed), USA**.

CALL FOR PAPERS

The broad topics of interest include, but are not limited to, the following:

- Algebra and Its Applications
- Analysis and Approximation Theory
- Coding, Cryptography and Information Theory
- Computational Fluid Dynamics
- Computer Graphics & Animation
- Continuum Mechanics and Vibrations
- Differential Equations and Applications
- Discrete Mathematical Structures
- Fixed Point Theory
- Fractals, Chaos and Dynamical Systems
- Fuzzy Mathematics and Logic
- Image Processing
- Numerical Analysis
- Optimization and Its Applications
- Probability, Statistics and Stochastic Processes
- Theory of Computation
- Wave Propagation
- Wavelets and Applications

REGISTRATION FEE*

Participants	Abroad	India
Academicians/ Scientists	200 USD	Rs.4500**
Research Scholars	150 USD	Rs.4000
Attendee	100 USD	Rs.3000

All the accepted abstracts will be published in the abstract book supplied to all the participants at the conference venue. Submitted manuscripts will go through plagiarism check before technical review.

*All the charges shown above are excluding the accommodation charges. Registration fee includes conference kit, lunch and tea during the conference.

**Only accepted and presented paper after peer review will be published in Proceedings through reputed Publishers (Scopus Indexed) at a cost of 4000/- per paper.

IMPORTANT DEADLINES

Submission of Abstract	August 15, 2018
Acceptance of Abstract	August 25, 2018
Submission of Full Length Paper	September 15, 2018
Notification of Acceptance	October 15, 2018
Submission of Final Manuscript	October 30, 2018

CHIEF PATRONS

Shri Jaiprakash Gaur Ji, Founder Chancellor, JIIT
Shri Manoj Gaur Ji, Executive Chairman, Jaypee Group.

PATRON

Prof. S. C. Saxena, Vice Chancellor, JIIT

Prof. Alka Tripathi, Head, Conference Chair
Prof. Bhagwati Prasad Chamola, Convenor
Dr. Pato Kumari, Organizing Secretary
Prof. R. C. Mittal, Member
Prof. A. K. Aggarwal, Member
Dr. Sanjeev Sharma, Member
Dr. Lokendra Kumar, Member

INTERNATIONAL/NATIONAL ADVISORY COMMITTEE

Prof. Jeffrey J Hunter, Auckland Univ. Technology, New Zealand
Prof. S. G. Dani, UM-DAE Centre for Excellence in Basic Sciences, Mumbai, India
Prof. A. K. Srivastava, BHU, Varanasi, India
Prof. M. T. Nair, IIT Madras, India
Prof. J. Matkowski, University of Bielsko-Biala, Poland
Prof. Malisa Zizovic, University of Kragujevac, Serbia
Prof. G. Godefroy, Institute of Mathematics of Jussieu, France
Prof. Bhu Dev Sharma, Clark Atlanta University, U.S.A
Prof. Bani Singh, IIT Roorkee, India
Prof. G. S. Srivastava, IIT Roorkee, India
Prof. A. Chattopadhyay, ISM Dhanbad, India
Prof. R. P. Agarwal, Texas A&M University-Kingsville, Texas
Prof. B. R. Kopparty, Indiana University Northwest, Gary
Prof. Miloslav Znojil, Nuclear Physics Institute, Czech Republic
Prof. F. M. Fernández, National University of La Plata, Argentina
Prof. K. T. Arasu, Wright State University, Dayton, U.S.A
Prof. Karmeshu, JNU Delhi, India
Prof. G. Rangarajan, IISc Bangalore, India

COMMUNICATION

All the communications may be addressed to:
Prof. B. P. Chamola & Dr. Pato Kumari
Department of Mathematics
Jaypee Institute of Information Technology
A-10, Sector-62, Noida- 201307, U.P., India
Phone: +91-120-2594344, Mobile: 08527533208
Email: conference.maths2016@gmail.com

INSTITUTIONAL ADVISORY COMMITTEE

Prof. Hariom Gupta, Director, Sec-128, JIIT
Prof. D. K. Rai, Addl. Dean (A&R), JIIT
Prof. Padam Kumar, Dean (R, I & D), JIIT

ORGANIZING COMMITTEE

Dr. Amit Srivastava, Member	Dr. Himanshu Agarwal, Member
Dr. P. K. Srivastava, Member	Dr. Pinkey Chauhan, Member
Dr. Dinesh Bisht, Member	Dr. Deepti Aggrawal, Member
Dr. Anuj Bhardwaj, Member	Dr. Sudhakar Chaudhary, Member
Dr. Yogesh Gupta, Member	Dr. Amita Bhagat, Member
Dr. Puneet Rana, Member	Dr. Anuj Kumar, Member
Dr. Lakhveer Kaur, Member	Dr. Neha Ahlawat, Member

LIST OF INVITED SPEAKERS

Prof. J Matkowski, University of Bielsko-Biala, Poland
Prof. Malisa Zizovic, University of Kragujevac, Serbia
Prof. Jichun Li, University of Nevada Las Vegas, USA
Prof. D. Bahuguna, IIT Kanpur, India
Prof. S. K. Tomar, Panjab University, Chandigarh, India
Prof. C.S. Lalitha, Delhi University, Delhi, India
Prof. Amitabha Tripathi, IIT Delhi, India
Prof. S Sundar, IIT Madras, India
Prof. Dilip P. Patil, IISc Bangalore, India
Prof. Delin Chu, National University of Singapore, Singapore
Prof. Melusi Khumalo, University of South Africa, SA
Prof. Indranil Biswas, TIFR Mumbai, India
Dr. Girish Mishra, SAG DRDO, Delhi, India

More to be added soon.....