The 33rd Annual Conference of The Ramanujan Mathematical Society (RMS)

June 1-3, 2018

Https://sites.google.com/site/acrms2018

Department of Mathematics
(UGC-SAP-DSA, DST-PURSE, DST-FIST)
University of Delhi, Delhi- 110007
https://maths.du.ac.in
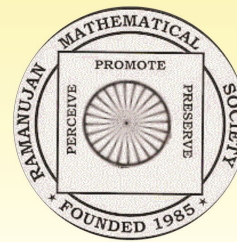
About RMS

The Ramanujan Mathematical Society (RMS), founded in 1985, has the main purpose of promoting Mathematics at all levels. All through these years, the Society has received immense support from Mathematics Fraternity both in India and abroad, due to which the Society has succeeded in expanding its wings multifold in its efforts to promote Mathematics. RMS organizes annually a National Conference and also publishes Lecture Notes Series in Mathematics, Mathematics Newsletter, and Journal of Ramanujan Mathematical Society. The 33rd chapter of the conference is to be hosted by The Department of Mathematics, University of Delhi.

Aims and Objective of the Conference

- To contribute to the recent development in the various fields of Mathematics such as Algebra, Number Theory, Cryptography, Bio-informatics, Differential Equations, Dynamical System, Frames and Wavelets, Function Theory, Harmonic Analysis, Optimization, Topology & Geometry and Mathematics Education.
- To bring together academicians in these areas from across the country /abroad to exchange ideas and discover the thrust area of current research.
- To discuss the challenging problems and focus on future collaborations and to expose young researchers to recent research.
- Panel discussion on teaching of mathematics.

All this will be done in the form of parallel symposium, Plenry, invited and contributory talks.

List of Invited Speakers

Names of Resource persons/ invited speakers who have tentatively agreed:

- **Dinesh Singh,** University of Delhi
- **Ajit Iqbal Singh,** INSA
- **Gadadhar Mishra,** IISc, Bangalore
- **Kaushal Verma,** IISc, Bangalore
- **J. K. Verma,** IIT, Mumbai
- **S. Ponnusamy,** ISI, Chennai
- **Mythily Ramaswamy,** TIFR, Bangalore
- **Satya Deo,** HRI, Allahabad
- **V. Kannan,** Central University of Hyderabad
- **G. Rangarajan,** IISc, Bangalore
- **V. Sree Hari Rao,** Foundation for Scientific Research & Technological Innovations, Hyderabad
- **V. Prameela,** Director DRDL ,Hyderabad
- **Sudeshna Banerjea,** Jadavpur University, Kolkata

Advisory Committee

- **Tarun Das ,** University of Delhi
- **S. Kesavan** , IMSc, Chennai
- **A. P. Singh ,** Central University of Rajasthan
- **K. Srinivas ,** IMSc, Chennai
- **B. Sury ,** ISI Bangalore
- **Geetha Venkataraman,** Ambedkar University, Delhi

Organizing Committee

- **Ajay Kumar**
- **V Ravichandran** (Chair)
- **Ruchi Das**
- **Sachi Srivastava**
- **Arvind Patel** (Secretary)
- **Hemant Kumar Singh**
- **Anuj Bishnoi**

Abstract

The abstract of papers in any area of topic to be covered in the conference may be submitted on the conference website:

https://sites.google.com/site/acrms2018

Registration

All interested participants including those presenting papers must register on the conference website

Registration Fee :
- For faculty members: Rs. 3000
- For research scholars: Rs. 1500
- For individuals from Industry and Research organizations: Rs. 5000

Last date of abstract submission: **April 15, 2018** and registration : **April 30, 2018**

Mode of Payment

Demand Draft in favor of **"The Registrar, University of Delhi".**

Registration Form (available on conference website) along with the Demand Draft must reach:

**"The Chair/Secretary,
RMS-2018,**
Department of Mathematics,
University of Delhi, Delhi-110007"
by April 30, 2018.
For any enquires please contact:
Email: acrms2018@gmail.com
Phone: 011-27666658

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DAY 1: 01-06-2018

9.30–10.30	INAUGURAL
10.30–11.00	TEA/COFFEE
11.00-11.50	Plenary Talk - 1 Prof. Ajit Iqbal Singh *Role of Topology and Harmonic Analysis in Ramsey Theory of monochromatic finite sums and products*
11.55–12.25	Invited Talk - 1 Prof. Kaushal Verma
12.30–1.00	Invited Talk -2 Speaker Prof. Mathily Ramaswamy
1.05–1. 35	Invited Talk - 3 Dr. Vijay Gupta *Recent Advances in Approximation by Certain Operators*
1.40-2.40	LUNCH

2.45-4.45	**SYMPOSIUM A** **Topology and Geometry** Coordinator: **Dr. Hemant Kumar** 1. Dr. Debasis Sen, IIT Kanpur, debases@iitk.ac.in 2. Dr. Ayesha Choudhary, School of Computer and system Scientist, JNU, New Delhi ayeshac@mail.jnu.ac.in 3. Dr. Swagata Sarkar, Mumbai University, swagatasar@gmail.com	**SYMPOSIUM B** **Differential Equations :** Coordinator: **Prof. R. K. Mohanty** 1.Prof. Shyam Ghoshal, TIFR CAM Banglore, ghoshal @tifrbng.res. in 2. Prof. Manoj Kumar, MNNIT, Allahabad manoj@mnnit.ac.in 3. Dr. Harish Kumar, IIT Delhi, hkumar@maths.iitd.ac.in	**SYMPOSIUM C** **Mathematics Education** Coordinator: **Prof. Shoba Bagai** 1. Dr. PK Saxena, Scientific Consultant, PSA Govt of India saxenapk@hotmail.com 2. Gyana R. Parija, IBM-Research India gyana.parija@in.ibm.com 3. Jyoti Sharma, CIC, Univ. Delhi jyotisharmacic@gmail.com 4. Manish Sharma, Pitney Bowes India manish.sharma2@pb.com

4.45–5.00	TEA/COFFEE
5.30–6.30	Public Lecture : Prof. Dinesh Singh, University of Delhi *Life and Time of Srinivasa Ramanujan*
6.30-7.00	TEA/COFFEE
7.00	EC meeting

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DAY 2: 02-06-2018

Time	Session
9.00–9.50	Plenary Talk – 2 Prof. Ravi Kulkarni *Mathematics in Philosophy and Philosophy of Mathematics*
9.55–10.25	Invited Talk - 4 Prof. V. Kannan
10.30-1.00	Invited Talk – 5 Prof. J. K. Verma *Teissier's Conjecture for multiplicities of Ideals.*
11.00-11.15	TEA/COFFEE
11.15-11-45	Invited Talk – 6 Prof. Satya Deo

Time	Session	
11.50–12.20	Invited Talk – 7 Prof. V. Sree hari Rao	Paper presentation
12.25–12.55	Invited Talk - 8 Dr. V. Prameela	

Time	Session
12.55-1.45	LUNCH

Time	SYMPOSIUM D Frames and Wavelets: Coordinator: Dr. Lalit Kumar	SYMPOSIUM E Harmonic Analysis Coordinator: Prof. Ajay Kumar	SYMPOSIUM F Algebra, Number Theory and Cryptography Coordinator: Prof. Geetha Venkatraman / Dr. Indivar Gupta	SYMPOSIUM G Dynamical Systems: Coordinator: Prof. Ruchi Das
1.45–3.45	1. Dr. Tanvi Jain, ISI, Delhi tvi.jain@gmail.com 2. Prof. Kallol Paul Jadhavpur Univ., kalloldada@gmail.com	1. Prof. Parasar Mohanty, IIT Kanpur, parasar@iitk.ac.in 2. Prof.V. Muruganandam, NISER,Bhubaneswar vmurgananjdam@niser.ac.in 3. Prof. M. Sundari, CMI,Chennai myname.maddala@gmail.com 4. Dr.R.K.Srivastava, IIT Guwahati rksri@iitg.ernet.in 5. Dr.Saurabh Srivastava, IISER Bhopal, saurabhk@iiserb.ac.in	1. Prof Veni Madhavan (IISc), veni.madhavan@gmail.com 2. Prof. Gurmeet Bakshi, Panjab University, Chandigarh, gkbakshi@pu.ac.in 3 Dr. Vijay Patankar JNU, New Delhi vmpatankar@jnu.ac.in 4. Prof Subhamoy Maitra, ISI Kolkatta, subho@isical.ac.in	1. Dr. C.S. Aravinda TIFR CAM, Bangalore aravinda@math.tifrbng.res.in 2. Prof. Riddhi Shah, JNU , New Delhi riddhi.kausti@gmail.com 3. Prof. Prasanta Chaterjee, Visva Bharti Univ., prasantacvb@gmail.com

Time	Session
3.45-4.00	TEA/COFFEE
4.00–5.00	Paper presentation
5.00–6.00	General Body meeting
8.00	DINNER

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DAY 3: 03-06-2018

Time			
9.00–9.50	Plenary Talk - 3		
9.55–10.25	Invited talk - 9 Prof. Sudeshna Banerjea		
10.30–11.00	Invited talk - 10 Prof. Gadadhar Mishra		
11.05–1.05	**SYMPOSIUM – H** **Optimization** **Coordinator:** **Prof. S. K. Mishra** 1. Prof. K. C. Sivakumar, IIT Madras, kcskumar@iitm.ac.in 2. Prof. Pankaj Gupta, University of Delhi, pgupta@or.du.ac.in 3. Prof. S. K. Mishra, BHU, Varansi bhu.skmishra@gmail.com	**SYMPOSIUM - I** **Function Theory** **Coordinator:** **Prof. V. Ravichandran,** **TBA**	**SYMPOSIUM –J** **Bio-Informatics** **Coordinator:** **TBA**
1.05-2.05	LUNCH		
2.05-2.35	Invited talk -11 Prof. G. Rangarajan *A Mathematical Model for Storage and Recall of Images in the Human Brain*		
2.40-3.10	Invited talk -12 TBA		
3.15-3.45	Paper Presentation		
3.45-4.00	TEA		