

38th Annual Conference of the Ramanujan Mathematical Society (RMS 2023)
December 22-24, 2023
IIT Guwahati

DAY-1 (December 22, 2023)

22nd Dec	8:00-8:55 Registration (Auditorium)	9:00-9:10 Inauguration (Auditorium)	9:10-10:05 Plenary 1 (Auditorium)	10:05-10:35 High Tea (Auditorium)	10:50-11:50 ST 1, 2 (Core-5)	11:55-12:55 ST 3, 4 (Core-5)	1:00-2:30 Lunch (Conference Center)	2:40-4:00 CT (Core-5)	4:00-4:20 Tea (Core-5)	4:20-5:00 CT (Core-5)	5:20-6:15 Public Lecture (Auditorium)	6:20-7:20 GBM (Auditorium)
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DAY-2 (December 23, 2023)

23rd Dec	9:00-9:55 Plenary 2 (Auditorium)	10:00-10:30 Tea (Auditorium)	10:45-11:45 ST 5, 6 (Core-5)	11:50-12:50 ST 7, 8 (Core-5)	1:00-2:30 Lunch (Conference Center)	2:40-3:40 ST 9, 10 (Core-5)	3:45-4:05 CT (Core-5)	4:05-4:25 Tea (Core-5)	4:25-5:45 CT (Core-5)	6:00-6:55 Plenary 3 (Auditorium)
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DAY-3 (December 24, 2023)

24th Dec	9:00-9:55 Plenary 4 (Auditorium)	10:00-10:30 Tea (Auditorium)	10:45-11:45 ST 11, 12 (Core-5)	11:50-12:50 ST 13, 14 (Core-5)	1:00-2:30 Lunch (Conference Center)	2:40-3:40 ST 15, 16 (Core-5)	3:45-4:05 CT (Core-5)	4:05-4:25 Tea (Core-5)	4:25-5:25 CT (Core-5)	5:40-6:35 Plenary 5 (Auditorium)	6:40-7:00 Valedictory (Auditorium)
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*Auditorium: Dr. Bhupen Hazarika Auditorium *ST: Symposia Talks *CT: Contributory Talks

*Average walking time from Auditorium to Core-5 is 10 minutes

Plenary/Public Talks

Venue: Dr. Bhupen Hazarika Auditorium

(December 22-24, 2023)

Talk	Date	Time	Speaker	Title of the talk
Plenary 1 (Professor R. Balakrishnan's Endowment Lecture) Chair: Anupam Saikia	22 Dec	9:10-10:05	M. S. Raghunathan (CBS Mumbai)	Two Alumni of Loyola College, Chennai
Public Lecture Chair: Jugal Verma	22 Dec	5:20-6:15	K. Ramasubramanian (IIT Bombay)	The History and Historiography of the Discovery of Calculus in India
Plenary 2 Chair: Panchugopal Bikram	23 Dec	9:00-9:55	Kallol Paul (Jadavpur University)	Geomtery of the space of linear operators from the perspective of Birkhoff-James orthgonality
Plenary 3 Chair: Tony J. Puthenpurakal	23 Dec	6:00-6:55	Gurmeet Kaur Bakshi (Panjab University)	Units in integral group rings
Plenary 4 Chair: Anand Sawant	24 Dec	9:00-9:55	Indranil Biswas (TIFR Mumbai)	Nonabelian Hodge Theory
Plenary 5 Chair: Rajen Kumar Sinha	24 Dec	5:40-6:35	Manjunath Krishnapur (IISc Bangalore)	Nodal sets and nodal domains of random eigenfunctions of the Laplacian

Women in Mathematics

(Venue: Academic Complex - Core 5)

Core-5 class rooms have Green Chalk Boards and Projectors

DAY-1 (December 22, 2023): Symposia Talks

Symposia	Venue	Time	Speaker	Title of the talk
Women in Mathematics	5106	10:50-12:55	Anisa Chorwadwala (IISER Pune)	Optimisation of a mixed Steklov Dirichlet eigenvalue
			K S Senthil Raani (IISER Berhampur)	Distances in sets
			Anuradha Jha (IIIT Guwahati)	Analysis of upwind difference scheme on Shishkin-Bakhvalov mesh for singularly perturbed two parameter parabolic problem with discontinuous coefficients
			Tanusree Khandai (IISER Mohali)	Demazure filtrations of tensor product modules and character formula

DAY-2 (December 23, 2023): Symposia Talks

Symposia	Venue	Time	Speaker	Title of the talk
Women in Mathematics	5106	10:45-12:50	Dhanya Rajendran (IISER TVM)	On the double phase elliptic problems with singular growth
			Sunanda Naik (Gauhati University)	Cesaro operator and its generalization on Bloch type spaces
			Prohelika Das (Cotton University)	On α -spectrum of Unicyclic Graphs and Some Estimations
			Farha Sultana (IIIT Guwahati)	Tampered random variable modeling for multiple step-stress life test
		2:40-3:40	Sangita Jha (NIT Rourkela)	Fractal dimension and fractional calculus of non-stationary zipper α -fractal functions
			Helen K Saikia (Gauhati University)	Some special kinds of reversible and symmetric rings

Women in Mathematics

(Venue: Academic Complex - Core 5)

DAY-3 (December 24, 2023): Symposia Talks				
Symposia	Venue	Time	Speaker	Title of the talk
Women in Mathematics	5106	10:45-12:50	Munmun Hazarika (Tezpur University)	Shift and other operators on the Hardy-Hilbert space
			Manideepa Saha (NIT Meghalaya)	On Lorentz cone semipositivity of matrices
			Sunanda Saha (VIT, Vellore)	A Robust numerical solver for a blood flow problem in an elastic stenotic artery imposed with a generalized Womersley solution
			Minerva Mukhopadhyay (IIT Kanpur)	Bayesian variable selection under high dimensional settings with grouped covariates

*Each Symposia talk is of 30 minutes duration including discussions

Women in Mathematics

(Venue: Academic Complex - Core 5)

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DAY-1 (December 22, 2023): Contributory Talks				
Subject	Venue	Time	Speaker	Title of the talk
Women in Mathematics Chair: Sriparna Bandopadhyay	5106	2:40-3:20	Prakriti Rai (Amity University)	A Generalized Class of Humbert-Hermite Polynomials
			Shilpi Biswas (IIT Guwahati)	A Model of Load-Sharing Systems Using Piecewise Linear Approximation to Cumulative Hazard

*Each contributory talk is of 18 minutes duration including discussions