

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

Groups and their Representations

(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
Groups and their Representations	5005	10:50-12:55	C. S. Rajan (Ashoka University)	Relative Weyl Character formula, Relative Pieri formulas and Branching rules for Classical groups
			R. Venkatesh (IISc Bengaluru)	Structure of symmetric regular subalgebras of affine Kac-Moody algebras
			Ravi Raghunathan (IIT Bombay)	Pairs of L-functions of symmetric powers of cuspidal automorphic representations
			Pooja Singla (IIT Kanpur)	Constructing Continuous Complex Irreducible Representations of $GL_3(\mathbb{O})$

DAY-2 (December 23, 2023): Symposia Talks				
Symposia	Venue	Time	Speaker	Title of the talk
Groups and their Representations	5005	10:45-12:50	Manoj K. Yadav (HRI Allahabad)	Wells' fundamental exact sequence: Then and Now
			Basudev Pattanayak (IIT Bombay)	Fixed vectors under principal congruence subgroups of $GL(n)$
			Kumar Balasubramanian (IISER Bhopal)	Twisted Jacquet Module of a cuspidal representation of $GL(2n)$
			Arghya Mondal (KREA University)	Asymptotic Shur orthogonality relations
		2:40-3:40	Pralay Chatterjee (IMSc Chennai)	Lower dimensional Betti numbers of homogeneous spaces of Lie groups
			Mahendra Verma (IIT Roorkee)	The theory of Symplectic models

Groups and their Representations

(Venue: Academic Complex - Core 5)

DAY-3 (December 24, 2023): Symposia Talks				
Symposia	Venue	Time	Speaker	Title of the talk
Groups and their Representations	5005	10:45-12:50	U. K. Anandavardhanan (IIT Bombay)	The correlation coefficient in representation theory
			Amiya Mondal (IISER Berhampur)	On the bounds of Swan conductor of functorial lifts
			Shashank Vikram Singh (IISER Mohali)	Some Arithmetic Symplectic Hypergeometric Groups
			Arunava Mandal (IIT Roorkee)	Universal subspaces for Lie groups
		2:40-3:10	Shiv Parsad (IIT Goa)	On two generator subgroups of $SU(3,1)$

*Each Symposia talk is of 30 minutes duration including discussions

Groups and their Representations

(Venue: Academic Complex - Core 5)

Core-5 class rooms have Green Chalk Boards and Projectors

DAY-1 (December 22, 2023): Contributory Talks				
Subject	Venue	Time	Speaker	Title of the talk
Groups and their Representations Chair: Gautam Borisagar	5005	2:40-4:00	Sabyasachi Dhar (IIT Kanpur)	Compatibility of Kazhdan and Brauer Homomorphism
			Ram Karan Choudhary (IIT Bhubaneswar)	Rational Representations and Rational Group Algebra of Some Classes of \mathbb{S} -groups
			Jyoti Garg (Panjab University)	Primitive idempotents in rational group algebras of monomial groups
			Digjoy Paul (IISc Bangalore)	On Kronecker coefficients for representations of finite groups

*Each contributory talk is of 18 minutes duration including discussions