

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

DAY-2 (December 23, 2023)

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

DAY-3 (December 24, 2023)

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

*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

Complex Analysis

(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
Complex Analysis Chairs: Swadesh Kumar Sahoo, Sabyasachi Mukherjee	5101	10:50-12:55	Sabyasachi Mukherjee (TIFR Mumbai)	Matings, holomorphic correspondences, and abers slice
			P. Muthu Kumar (IIT Kanpur)	Model spaces invariant under composition operators
			Sushil Gorai (IISER Kolkata)	Uniform approximation on polynomial polyhedral
			Swadesh Kumar Sahoo (IIT Indore)	Geometry of the Cassinian metric

DAY-2 (December 23, 2023): Symposia Talks				
Symposia	Venue	Time	Speaker	Title of the talk
Complex Analysis Chairs: Bappaditya Bhowmik, Srihari Sreedharan and G. P. Balakumar	5101	10:45-12:50	Srihari Sreedharan (IISER TVM)	The entropy of a certain semigroup of holomorphic maps
			Ritu Agarwal (MNIT Jaipur)	Gap theorems in bicomplex space
			G. P. Balakumar (IIT Palakkad)	Limits of an increasing sequence of complex manifolds
			Diganta Borah (IISER Pune)	Some remarks on the squeezing function
		2:40-3:40	Bappaditya Bhowmik (IIT Kharagpur)	Area theorems for certain classes of functions having quasiconformal extensions
			Vasudeva Rao Allu (IIT Bhubaneswar)	Bohr radius for Banach spaces on simply connected domains

Complex Analysis

(Venue: Academic Complex - Core 5)

DAY-3 (December 24, 2023): Symposia Talks				
Symposia	Venue	Time	Speaker	Title of the talk
Complex Analysis Chairs: Guru Prem Prasad, Abhijit Banerjee and Sanjeev Singh	5101	10:45-12:50	Abhijit Banerjee (Kalyani University)	A survey on the existence and forms of solutions of different variants of Fermat type functional equations
			Sanjeev Singh (IIT Indore)	On starlikeness of regular Coulomb wave functions
			Sivaguru (TIFR CAM Bangalore)	The Friedrichs operator and circular domains
			Guru Prem Prasad (IIT Guwahati)	Baker domains in the dynamics of meromorphic functions
		2:40-3:40	Sairam Kaliraj (IIT Ropar)	Area-minimizing minimal graphs over non-convex domains
			Gorachand Chakraborty (Sidho Kanho Birsha University)	On rotational domains for meromorphic functions

*Each Symposia talk is of 30 minutes duration including discussions

Complex Analysis

(Venue: Academic Complex - Core 5)

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DAY-1 (December 22, 2023): Contributory Talks				
Subject	Venue	Time	Speaker	Title of the talk
Complex Analysis Chair: P. Muthu Kumar	5101	2:40-4:00	Molla Basir Ahamed (Jadavpur University)	Generalized Bohr inequalities for certain classes of functions on unit disk
			Sabir Ahammed (Jadavpur University)	Bohr phenomeon for class of analytic self-maps on the unit disk and class of subordination
			Partha Pratim Roy (Jadavpur University)	Sharp bound of third Hankel determinant for inverse coefficients of starlike function of order $1/2$
			Subhadip Pal (IIT Bhubaneswar)	Multidimensional Bohr radii for vector-valued holomorphic functions
Complex Analysis Chair: Sushil Gorai	5101	4:20-5:00	Abhishek Pandey (IIT Bhubaneswar)	Visibility in quasihyperbolic geometry: a notion of strict negative curvature in the Riemannian sense
			Vibhuti Arora (NIT Calicut)	Successive coefficients for functions in the spirallike family

Complex Analysis

(Venue: Academic Complex - Core 5)

DAY-2 (December 23, 2023): Contributory Talks				
Subject	Venue	Time	Speaker	Title of the talk
Complex Analysis Chair: Srihari Sreedharan	5101	3:45-4:05	Jiju Mammen (IIT Palakkad)	On retracts of balanced domains of holomorphy
Complex Analysis Chair: Diganta Borah	5101	4:25-5:45 (Parallel Session-I)	Simi Bhuyan (Gauhati University)	Boundedness of generalized Hilbert-type operators on certain analytic function spaces
			Subham Chatterjee (SKB University)	On K-meromorphic functions with Siegel disk
			Apolo Chutia (Gauhati University)	Bohr inequalities for certain two parameter Cesaro averaging operators
			Gaurav Kumar (IIT Guwahati)	Dynamics of two one-parameter families of meromorphic functions involving sine and cosine hyperbolic functions
Complex Analysis Chair: Bappaditya Bhowmik	5106	4:25-5:25 (Parallel Session-I)	Soumyadip Majee (SKB University)	Study on the residual Julia sets of transcendental semigroups
			Nitai Mandal (SKB University)	Study on the dynamics of root finding maps
			Adithya Mayya (MIT, Manipal)	Location of zeros of one parameter family of rational harmonic trinomials

DAY-3 (December 24, 2023): Contributory Talks				
Subject	Venue	Time	Speaker	Title of the talk
Complex Analysis Chair: Sanjeev Singh	5101	3:45-4:05	Tanchar Molla (Dumkal College, WB)	Generalization of the Enestrom-Keakeya-theorem through polynomial coefficients relaxation
Complex Analysis Chair: Guru Prem Prasad	5101	4:25-5:25	Soumen Pal (IIT Bhub)	The Julia sets of Chebyshev's method with small degrees
			Jasbir Parashar (IIT Ropar)	Meromorphic harmonic spirallike functions with a pole at the origin
			Shalini Rana (University of Delhi)	Radii of starlikeness of ratios of analytic functions with fixed second coefficients

***Each contributory talk is of 18 minutes duration including discussions**