



Complete Programme Schedule of AMMPNTA-2021

Organized by

CALCUTTA MATHEMATICAL SOCIETY



**To Commemorate the 128th Birthday of Prof. Satyendranath Bose and 100th
Death Anniversary of Srinivasa Ramanujan**

[Link to Join the Seminar on Google Meet: <https://meet.google.com/ibu-afji-oey>

All the time mentioned below are in Indian Standard Time and the above link will work for all the sessions on both 16 and 17 January, 2021]

January 16, 2021:

11:00-11:10 am: Welcome Address: Prof Arindam Bhattacharyya, Secretary, Calcutta Mathematical Society

11:10-11:15 am: Addressing About the Seminar: Dr. Koushik Ghosh, Treasurer, Calcutta Mathematical Society and Convener, AMMPNTA-2021

11:15-11:30 am: Life and Work of Prof. Satyendranath Bose: Prof. Rajkumar Roychoudhury, President, Calcutta Mathematical Society

11:35 am-12:35 pm: Invited Talk I

Speaker: Dr. Anish Roychowdhury, Adjunct Faculty with SP Jain Global

Title of the Talk: Monte Carlo Methods

Chairperson: Prof. Arindam Bhattacharyya, Secretary, Calcutta Mathematical Society

12:45-01:45 pm: Invited Talk II**Speaker:** Prof. Md. Kamrul Hassan, Professor, Dhaka University, Bangladesh**Title of the Talk:** Thermodynamic Formalism of Percolation**Chairperson:** Prof. Rajkumar Roychoudhury, President, Calcutta Mathematical Society**01:55- 03:00 pm:** Lunch Break**03: 00 -04:45 pm: Contributed Paper Presentation on Applied Mathematics, Mathematical and Theoretical Physics****Chairperson:** Dr. Koushik Ghosh, Treasurer, Calcutta Mathematical Society and Convener, AMMPNTA-2021 (**15 minutes** allotted for each presenter)

Title of Presentation	Author (s)
On Development of Atherosclerosis	<u>Subrata Mukhopadhyay</u> , Mani Shankar Mandal and Swati Mukhopadhyay
Phantom Dark Energy Model Ending at the de-Sitter Phase	Pheiroijam Suranjoy Singh
Modulational Instability of Crossing Sea States in Two-Layer Fluid Domain	<u>Anushri Purkait</u> and Suma Debsarma
A Study on Multi-Server with Two Commodity (Compliment Items) Perishable Inventory Systems in Stochastic Queueing Inventory Theory	M. Varadharajan
Stability Analysis of Non- identical Hyperchaotic Systems using Active Combination-Combination Hybrid Synchronization Technique	Ayub Khan and <u>Harindri Chaudhary</u>
Non-Newtonian Pulsatile Blood Flow in a Constricted Artery	<u>Subrata Mukhopadhyay</u> , <u>Mani Shankar Mandal</u> and Swati Mukhopadhyay
A classification of η -Yamabe Solitons on (LCS)n-manifolds	Soumendu Roy

January 17, 2021:

08:40 - 09:40 am: Invited Talk III

Speaker: Prof. Bruce Berndt, Professor, University of Illinois at Urbana Champaign, USA

Title of the Talk: Ramanujan: A Century of Inspiration

Chairperson: Prof. Dilip Kumar Ganguly, Vice President, Calcutta Mathematical Society

09:50 am-12:05 pm: Contributed Paper Presentation on Number Theory, Analysis and Algebra

Chairperson: Prof. Debidas Chattoraj, Council Member, Calcutta Mathematical Society and Prof. Kalishankar Tiwari, Council Member, Calcutta Mathematical Society (**15 minutes** allotted for each presenter)

Title of Presentation	Author (s)
Fixed Point Theorems For Reciprocally Continuous Maps in Non Archimedian Menger PM-Spaces	Archana Yadav
Generalized Groups from Connected Groupoids	P. G. Romeo and <u>Sneha K.K.</u>
Generalized Version of Closed Set and Continuity in Fuzzy m-Space	Anjana Bhattacharyya
Some New Best Proximity Point Results using Control Function on Probabilistic Metric Spaces	Samir Kumar Bhandari
On the Study of Deficiencies of Differential Equation under the Flavor of p-adic Co-prime Polynomial	Sanjib Kumar Datta and <u>Ashima Bandyopadhyay</u>
Middle Graph of S-Valued Graphs	A.Tamilselvi and <u>M.Ponni</u>
Interiors and Closures on TSBF-Algebras Using Ideals	Thiruvani V. and <u>Jansi M.</u>
A Generalized Coincidence Point Results on Probabilistic Metric Spaces	Samir Kumar Bhandari and <u>Radha Binod Das</u>
Interval-valued Fuzzy Structures In Z-Algebras	<u>S. Sowmiya</u> and P. Jeyalakshmi

12:10-01:10 pm: Invited Talk IV

Speaker: Prof. M.A. Pathan, Ex-Chairman, Department of Mathematics, Alligarh Muslim University, India

Title of the Talk: Advanced Special Functions associated with Various Lie Algebras

Chairperson: Prof. Sanjib Kumar Datta, Council Member, Calcutta Mathematical Society