

**SMMK-2024, VENUE- SILVER JUBILEE HALL, SNBNCBS, KOLKATA****Date : 27<sup>th</sup> September, 2024**

<b>Time</b>	<b>Speaker</b>	<b>Title of the Talk</b>
9:30-10:00	<b>REGISTRATION</b>	
<b>Session I, Chair: Dr. Tamisra Pal</b>		
10:00-10:15	<b>Muktish Acharyya</b> , Presidency University	Nonequilibrium tricritical behaviour in the driven XY ferromagnet
10:15-10:30	<b>Abhik Basu</b> , Saha Institute of Nuclear Physics	Rough or crumpled: Phases of a generalised Kardar–Parisi–Zhang equation
10:30-10:45	<b>P. S. Burada</b> , Indian Institute of Technology - Kharagpur	Separation of inertial active particles in a confined channel
10:45-11:00	<b>Avisek Das</b> , Indian Association for Cultivation of Sciences	Correlated orientational disorder in crystalline assemblies of hard convex polyhedra
11:00-11:30	<b>TEA BREAK</b>	
<b>Session II, Chair: Tanmoy Chakraborty</b>		
11:30-11:45	<b>Raka Dasgupta</b> , Calcutta University	Josephson oscillations and chaotic dynamics near ultracold atom-dimer resonance
11:45-12:00	<b>Shubhra Ghosh Dastidar</b> , Bose Institute	Obtaining Insights into the Molecular Mechanisms in Biology using MD Simulations
12:00-12:15	<b>Rumi De</b> , Indian Institute of Science Education and Research, Kolkata	Effect of inertia on evasion and pursuit dynamics of prey swarms
12:15-12:30	<b>Pradip Kumar Ghorai</b> , Indian Institute of Science Education and Research, Kolkata	What Dictates Azeotrope Formation?
12:30-12:45	<b>Amit Ghosal</b> , Indian Institute of Science Education and Research, Kolkata	Enigma of two-dimensional melting in a disordered environment
12:45-1:00	<b>Anandamohan Ghosh</b> , Indian Institute of Science Education and Research, Kolkata	Spectral properties of $\beta$ ensemble
1:00-3:00	<b>LUNCH &amp; POSTER PRESENTATION</b>	

<b>Session III, Chair: Animesh Hazra</b>		
3:00-3:15	<b>Sanat Karmakar</b> , Jadavpur University	<i>Cholesterol alters the kinetics and statistics of pore formation in the phospholipid membrane induced by an antimicrobial peptide</i>
3:15-3:30	<b>Pradeep K Mohanty</b> , Indian Institute of Science Education and Research, Kolkata	<i>Hyperuniformity in Ashkin-Teller model</i>
3:30-3:45	<b>Soumen Roy</b> , Bose Institute	<i>Comparing networks: Lessons for biology, mutations, and, phage resistance in bacteria</i>
3:45-4:00	<b>Arnab Saha</b> , Calcutta University	<i>Enzyme Assembly and Microscopic Gyration</i>
4:00-4:15	<b>Jayashree Saha</b> , Calcutta University	<i>Computational modeling for self assembled amphiphiles</i>
4:15-4:30	<b>Ankur Sensharma</b> , University of Gour Banga	<i>Site and bond percolation in distorted lattices in two and three dimensions</i>
4:30-5:00	<b>TEA BREAK</b>	
<b>Session IV, Chair: Kanika Kole</b>		
5:00-5:15	<b>Indrajit Tah</b> , CSIR – CGCRI	<i>Fragility in Glassy Liquids: A Structural Approach Based on Machine Learning</i>
5:15-5:30	<b>Punyabrata Pradhan</b> , SN Bose National Centre for Basic Sciences	<i>Dynamic fluctuations in systems with broken time-reversal symmetry and centre-of-mass conservation</i>
5:30-5:45	<b>Raja Paul</b> , Indian Association for Cultivation of Sciences	TBA
5:45-6:00	<b>Jaydeb Chakrabarti</b> , SN Bose National Centre for Basic Sciences	TBA
6:00-6:30	<b>PANEL DISCUSSION</b>	