

DAY 1 (OCTOBER 14, 2026)

Venue: Silver Jubilee Hall (2nd floor, Main Building),
S N Bose National Centre for Basic Sciences

TIME	SPEAKER	TITLE OF THE TALK
08:30-09:25	REGISTRATION	
09:25	INAUGURATION	
Chair: Prof. S S Manna		
09:30-09:45	URNA BASU	Universal winding laws in chiral active motion
09:45-10:00	DEEP NATH	General concurrence percolation on quantum networks
10:00-10:15	DEBOJIT SEN	Clustering-declustering dynamics of hardcore particles under the influence of stochastic active centers
10:15-10:30	OLIVIA MALLICK	TBA
10:30-10:45	RAMESH PRAMANIK	Autotaxis of a Run-and-Tumble Agent via Reinforcement Learning
10:45-11:00	SAIKAT DUTTA	2D melting in disorder environment
11:00-11:30	TEA	
Chair: Prof. Jaydeb Chakrabarti		
11:30-11:45	ARGHYA DAS	Density fluctuations in processes with inputs
11:45-12:00	BHAVTOSH BANSAL	Phase-inversion duality in the percolating metal-insulator transition of a correlated oxide
12:00-12:15	ANKUSH SENGUPTA	An Ode to Listless Wanderings: Lessons on Efficiency from a not-so-persistent Bacterium
12:15-12:30	AMIT GHOSHAL	Emerging inhomogeneities in non-equilibrium superconductors
12:30-12:45	SIDDHARTHA ROUT	TBA
12:45-01:00	TANAY PAUL	Plasmon Polaritons in Disordered Nanoparticle Assemblies
01:00-01:15	SURAJIT SAHA	Emergence of quantum walk from active spin model
01:15-01:30	POULAMI BAG	Directed autonomous motion of active Janus particles induced by wall-particle alignment interactions.

1:30-3:30	LUNCH + POSTER	
Chair: TBA		
3:30-3:45	JAYSHREE SAHA	Computer simulation of Biomolecules
3:45-4:00	DHRUBOJYOTI BISWAS	Higher-order interactions and their role on synchronization dynamics
4:00-4:15	PARAMBRATA CHOWDHURY	Exploring Timescales of Molecular Mechanism Triggering Photosynthesis
4:15-4:30	ANUPAM KUNDU	How do quasi particles move in Toda fluid.
4:30-4:45	DEB SHANKAR BANERJEE	Physical Learning in a Cytoskeletal Network
4:45-5:00	SHUBHADIP NAYAK	Escape Kinetics of Elliptical Brownian Particles from Cavities
5:00-5:30	TEA	

DAY2 (OCTOBER 15, 2026)

TIME	SPEAKER	TITLE OF THE TALK
Chair: Prof. Deb Sankar Banerjee		
9:00-9:15	PINTU PATRA	Vision Constrained Shepherding of Flocks
9:15-9:30	CHANDRADIP KHAMRAI	Vacancy Induced Phase Separation in Coupled Driven Systems and Unusual Coarsening Behaviour
9:30-9:45	ANUSREE SEN	A Dihedral-Preserving Coarse-Grained Approach to Elucidate Protein Aggregation in Complex Solvent Environments
9:45-10:00	SABUJ MANDAL	Interfacial dynamics and kinetics of crystallization of a liquid film in presence of pinned impurities
10:00-10:15	DIGANTA BHASKAR	Collective Behaviors in Active Matter with Visual Perception
10:15-10:30	MADHUMITA KABIRAJ	Finite temperature studies of disordered Bose-Hubbard model
10:30-10:45	RAKA DASGUPTA	Dynamical Crossover in Landau–Zener Tunneling in Dissipative Rydberg Lattices

10:45-11:00	SUBHAJIT PAUL	Enhanced Diffusion and Entropy Production in Presence of Non-reciprocal Interaction
11:00-11:30	TEA	
Chair: TBA		
11:30-11:45	S. S. MANNA	Colored Sandpile
11:45-12:00	INDRAJIT TAH	TBA
12:00-12:15	SANCHARI GOSWAMI	A tale of a Forager: Effect of Environment, Constraints and Strategies
12:15-12:30	SAURISH CHAKRABARTY	Dynamical Heterogeneity in Kinetically Constrained Models
12:30-12:45	PINAKI NAYAK	Microtubule Filaments in Regulating Cell Polarity and Migration
12:45-1:00	SUMAN DUTTA	Inverse Learning Complex Systems
1:00-1:15	ANALABHA ROY	Persistent Subharmonics and Floquet Time Crystals in Quantum Spin Chains
1:15-3:15	LUNCH + POSTER	
Chair: TBA		
3:15-3:30	SAMRIDDHI S. RAY	TBA
3:30-3:45	TURNI BISWAS	Effect of Habitat Fragmentation on Stochastic Metapopulation Dynamics
3:45-4:00	KOUSHIK DAS	Odd diffusion and power-law correlations in chiral mass transport processes
4:00-4:15	Panel discussions and vote of thanks.	
4:15	TEA	

* Presentation time: 12+2+(1) minutes

** Please upload your presentation to the computer at least 10 minutes before your session begins.