

Schedule of the 4th Indian Statistical Physics Community Meeting			
17 — 19 February 2017, ICTS, Bangalore			
Day 1: 17 February 2017			
Session I	Chair: Prabal Maiti		
Date	Time	Speaker	Title
Friday, 17 Feb	09:00 — 09:12	Abhishek Dhar	Revisiting the Szilard engine
	09:15 — 09:27	Rajesh Ravindran	Velocity distribution of driven granular systems
	09:30 — 09:42	Pragya Shukla	Is Rosenzweig-Porter ensemble the hidden skeleton in localization to delocalization transition?
	09:45 — 09:57	Tridib Sadhu	Generalized Arcsine law in fractional Brownian motion
	10:00 — 10:12	Prasad Hegde	The chiral phase transition in the chiral limit of QCD
Tea/Coffee Break			
Session II	Chair: Chandan Dasgupta		
Friday, 17 Feb	11:00 — 11:12	Prabodh Shukla	RFIM once more! (general criteria for infinite avalanches)
	11:15 — 11:27	Ranjini Bandyopadhyay	An experimental study of the glass transition in suspensions of polydisperse micro particles
	11:30 — 11:42	Pinaki Chaudhuri	Heterogeneous dynamics during onset of shear flow in glasses
	11:45 — 11:57	Auditya Sharma	Metastable minima of the Heisenberg spin glass in a random magnetic field
	12:00 — 12:12	Srikanth Sastry	Plastic events in sheared amorphous solids
	12:15 — 12:27	Abhishek Chaudhuri	Passive polymer dynamics on an active substrate
	Lunch + Posters		
Session III	Chair: Ganapathy Ayappa		
Friday, 17 Feb	14:00 — 14:12	Sandeep Krishna	Efficiency of a Stochastic Search with Punctual and Costly Restarts
	14:15 — 14:27	Arvind Ayyer	Exact phase diagram of a multispecies exclusion process
	14:30 — 14:42	Sanjib Sabhapandit	Exact distributions of cover times for N independent random walkers in one dimension
	14:45 — 14:57	Satyajit Banerjee	Validity of Fluctuation relation in different driven condensed matter systems
	Tea/Coffee Break		
	17:00 — 18:30	POSTER FLASH TALKS	

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DAY 2: 18 February 2017			
Session IV	Chair: Subodh R. Shenoy		
Date	Time	Speaker	Title
Saturday, 18 Feb	09:00 — 09:12	Jayendra N Bandyopadhyay	Effective time-independent Hamiltonian of periodically driven quantum systems
	09:15 — 09:27	Kavita Jain	Rapid Adaptation Dynamics
	09:30 — 09:42	Rajarshi Chakrabarti	Tracer diffusion in a sea of polymers with binding zones: mobile vs. frozen traps
	09:45 — 09:57	Manas Kulkarni	Driven-Dissipative Quantum Dot Circuit-QED systems
	10:00 — 10:12	Subir K Das	Aging during ordering in Ising ferromagnet
	10:15 — 10:27	Arindam Kundagrami	Kinetics of Swelling and Collapse in Polyelectrolyte Systems
Tea/Coffee Break			
Session V	Chair: Pramod Pullarkat		
Saturday, 18 Feb	11:00 — 11:12	Parongama Sen	Random fiber bundle model: how loading paths matter
	11:15 — 11:27	Apratim Chatterji	Origin of large scale spatial organization of the DNA-polymer.
	11:30 — 11:42	Mithun Mitra	The Dynein Catch Bond - Implications for cooperative transport
	11:45 — 11:57	Sudipto Muhuri	Mechanical stability of bipolar spindle assembly
	12:00 — 12:12	Debasish Chaudhuri	Confinement dependent chromosome organization and segregation in bacteria
	12:15 — 12:27	Nivedita Deo	Targeting functional motifs of a protein family
	Lunch		
	12:30 — 16:30	Poster Session (Tea/Coffee Served)	
Session VI	Chair: Ambarish Ghosh		
Saturday, 18 Feb	16:30 — 16:42	Rahul Pandit	Antibubbles: Insights from the Cahn-Hilliard-Navier-Stokes equations
	16:45 — 16:57	Prasad Perlekar	Topological properties on inertial particles in 2d turbulence
	17:00 — 17:12	Samriddhi Sankar Ray	Onset of thermalisation in hydrodynamic equations: Insights from the Burgers equation
	17:15 — 17:27	Pralay K Santra	Molecular Ligands Control Superlattice Structure and Crystallite Orientation in Colloidal Quantum Dot Solids
	17:30 — 17:42	Sanjay Kumar	Statistical mechanics of a polymer chain attached to the interface of a cone-shaped channel
	17:45 — 17:57	Mamata Sahoo	Dynamic roadblock in exclusion process

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Day 3: 19 February 2017			
Session VII	Chair: Amit Apte		
Date	Time	Speaker	Title
Sunday, 19 Feb	09:00 — 09:12	Sarika Jalan	Controlling synchronization in multiplex networks
	09:15 — 09:27	Prerna Sharma	Curvature Instabilities in Colloidal Membranes
	09:30 — 09:42	Arnab Saha	Flocks With Trap, Vision-Cone And Communication-delay.
	10:00 — 10:12	Sujata Tarafdar	The Island-Mainland Transition identified by Euler Number
	10:15 — 10:27	Tapati Dutta	Multi-scale patterns formed by Sodium Sulphate in a drying droplet of Gelatin: Experiment and simulation
	10:30 — 10:42	Kushal K. Shah	Equilibration of energy in periodically driven systems
	Tea/Coffee Break		
Session VIII	Chair: H. R. Krishnamurthy		
Sunday, 19 Feb	11:15 — 11:27	Subhro Bhattacharjee	Quantum spin ice in external electric field
	11:30 — 11:42	Sujit Sarkar	Topological Quantum Phase Transition in Interacting Helical Liquid
	11:45 — 11:57	Sumilan Banerjee	Solvable model for a dynamical quantum phase transition from fast to slow scrambling
	12:00 — 12:12	Amit Ghoshal	Pairing of renormalized eigenstates of disordered superconductors with strong correlations
	12:15 — 12:27	Sushanta Dattagupta	Noise-induced decoherence in a 3-site mesoscopic ring
	12:30 — 12:42	Chandni U	Electron tunneling in graphene-hexagonal boron nitride heterostructures
	12:45 — 12:57	Soumya Bera	Ergodic dynamics in a Many-Body Localized system
	13:00 — 13:12	Atindra Nath Pal	Nonlocal transport in InAs/GaSb composite quantum well: A possible candidate for 2D topological insulator
	13:15 — 13:27	Varsha Banerjee	Random Field Ising Model with Conserved Kinetics: Super-Universality Violation, Logarithmic Growth Law and the Generalized Tomita Sum Rule
	13.30 onwards	Lunch	