

CondMat@2023 Workshop Schedule

Venue: AC04 309

Saturday, Apr 1, 2023

Time	Speaker	Talk Title
9:30 - 10:15	Somendra Bhattacharjee (AU)	Dynamical Quantum Phase transitions
10:15 - 11:00	Abhishek Chaudhuri (IISER-M)	Active Matter
<i>15 min. break</i>		
11:15-12:00	Diptarka Das (IITK)	Quantum quench and effective thermalization
12:00-12:45	Rajeev Kapri (IISER-M)	Polymer Translocation
12:45-13:00	Anweshika Pattanayak (IISER-M)	Active rods in temperature gradient
<i>Lunch (13:00 - 14:30)</i>		
14:30 - 15:15	Yogesh Singh (IISER-M)	Quantum Spin Liquids
15:15 - 15:30	Subhashree Khuntia (IISER-M)	Random walkers following their own chemical trail
15:30 - 16:15	Sanjiv Kumar (IISER-M)	Skyrmions in spin-orbit coupled itinerant magnets
<i>Tea (16:15 - 16:45)</i>		
16:45 - 17:30	Amin A. Nizami (AU)	Overview of Krylov complexity
17:30 - 17:45	Ankit Shrestha (AU)	K-complexity for Floquet systems
17:45 - 18:30	Sajal Ghosh (Shiv Nadar)	Rigidifying DNA macromolecules by ionic liquids

Sunday, Apr 2, 2023

Time	Speaker	Talk Title
9:30 - 10:15	K. P. Singh (IISER-M)	Probing magnetic properties of silk
10:15 - 10:30	Sandip Roy (IISER-M)	Tip-links serve as force-pass filter to fulfil the role of gating-springs
<i>15 min. break</i>		
10:45 - 11:30	Sutapa Roy (IIT-Gandhinagar)	Droplet growth during fluid Phase Separation
11:30 - 12:15	Susmita Saha (AU)	Magnetization dynamics from femto to nanosecond time scale
<i>15 min. break</i>		
12:30 - 13:15	Anosh Joseph (IISER-M)	tba
<i>Lunch (13:15 - 14:30)</i>		
14:30 - 15:15	Garima Mishra (AU)	Melting of collapsed DNA
15:15 - 15:30	Jayant Singh Devara (IISER-M)	Inkless printing of Nano-oxides on copper substrates using a high-power blue laser
15:30 - 15:45	Abhimanyu Nowbagh (IISER-M)	Interaction between Active Particles and Biomembranes
<i>Tea (15:45-16:15)</i>		
16:15-17:00	Pramoda Kumar (AU)	Electroconvection in concentration polarization
17:00-17:15	Love Grover (IISER-M)	Active Membranes and Particles
17:15-17:30	Biswajit Panda (IISER-M)	Unpaired electrons based magnetism in protein molecules
17:30-18:15	Arrya Ghosh (AU)	Role of Solvation shell on Non-radiative decay processes in s-Block cationic metal ion clusters