

EPCQS18 PROGRAMME SCHEDULE

Venue: Silver Jubilee Hall, SN Bose Centre

	26.02.2018	27.02.2018	28.02.2018
09.00 - 10.30	Session – I Chair – Prof. Pragya Shukla (IIT Kharagpur)	Session – I Chair – Prof. Parangoma Sen (Calcutta University)	Session – I Chair – Prof. Pragya Shukla (IIT Kharagpur)
09.00 - 09.30	Welcome Address (09.00 – 9.15 AM)	S. Ramasesha (IISC, Bangalore)	Gautam Menon (IMSc, Chennai)
09.30 - 10.00	T. V. Ramakrishnan (BHU - Varanasi) (09.15 - 10.00)	Sanjay Puri (JNU, Delhi)	Mukul Laad (IMSC, Chennai)
10.00 - 10.30	G. Baskaran (IMSc, Chennai)	Abhishek Dhar (ICTS, Bangalore)	Mustansir Barma (TCIS, Hyderabad)
10.30 - 11.00	Tea Break	Tea Break	Tea Break
11.00 - 13.00	Session – II Chair – Monalisa Singhroy (SNB, Kolkata)	Session – II Chair – Poulomi Chakraborty (SNB, Kolkata)	Session – II Chair – Sayani Chatterjee (SNB, Kolkata)
11.00 - 11.30	Pradeep Mohanty (SINP, Kolkata)	Swapan K Pati (JNCASR, Bangalore)	Sumanta Kundu (SNB) & Arghya Das (ICTS)
11.30 - 12.00	Manas Kulkarni (ICTS, Bangalore)	R. Ganesh (IMSC, Chennai)	Satya Majumdar (LPTMS, Paris)
12.00 - 12.30	Arnab Das (IACS, Kolkata)	Subhro Bhattacharjee (ICTS, Bangalore)	Tanusri Saha Dasgupta (SNBNCBS, Kolkata)
12.30 - 13.00	Rajamani Raghunathan (UGC-DAE Consortium, Indore)		Krishnendu Sengupta (IACS, Kolkata)
13.00 - 14.30	Lunch & Poster	Lunch & Poster	Lunch (1 – 2 PM)
14.30 - 16.00	Session – III Chair – Anwasha Chattopadhyay	Session – III Chair – Prof. Raja Paul (ICAS, Kolkata)	Session – III Chair – Shauri Chakraborty (SNB,

	<i>(SINP, Kolkata)</i>		<i>Kolkata)</i>
14.30 - 15.00	Subroto Mukherjee (IISc, Bangalore)	Anupam Kundu (ICTS, Bangalore)	Documentary on Satyendra Nath Bose <i>(2.00 – 2.30 PM)</i>
15.00 - 15.30	Vikram Tripathi (TIFR, Mumbai)	Prosenjit Singha Deo (SNBNCBS, Kolkata)	Parthasarathi Majumdar (RKMVU, Belur) <i>(2.30 – 3.00 PM)</i>
15.30 - 16.00	Arti Garg (SINP, Kolkata)	R. Rajesh (IMSc, Chennai)	
16.00 - 16.30	<i>Tea Break</i>	<i>Tea Break</i>	<i>Tea Break</i> <i>(3.00 – 3.30 PM)</i>
16.30 - 18.30	<i>Session – IV</i> <i>Chair – Debasmita Maity (SNB, Kolkata)</i>	<i>Session – IV</i> <i>Chair – Chandreyee Roy (SNB, Kolkata)</i>	<i>Session - IV</i>
16.30 - 17.00	Arnab Sen (IACS, Kolkata)	Arghya Taraphder (IIT, Kharagpur)	Panel Discussion on “Important problems in statistical and condensed-matter physics” <i>(3:30 – 4:30 PM)</i>
17.00 - 17.30	Shradha Mishra (IIT – BHU, Varanasi)	Manish Jain (IISC, Bangalore)	Vote of Thanks
17.30 - 18.00	Sakuntala Chatterjee (SNBNCBS, Kolkata)		
18.00 - 18.30	Prasanta Panigrahi (IISER, Kolkata)		
19.30 -	<i>Dinner</i>	<i>Banquet Dinner</i>	<i>Dinner</i>

Title of the Talks

1. ***T. V. Ramakrishnan***

Failed Superconductivity: Uncondensed Bosons?

2. ***G. Baskaran***

Emergent Majorana Fermi Sea In Condensed Matter.

3. ***Pradeep Mohanty***

Can current decrease with increasing bias: onset of negative response in non-equilibrium systems?

4. ***Manas Kulkarni***

Permanent spin currents and entanglement in cavity-qubit systems.

5. ***Arnab Das***

Periodically Driven Many-body Systems.

6. ***Rajamani Raghunathan***

The Phonostat: A unique tool to understand heat flow at the nanoscale.

7. ***Subroto Mukherjee***

Andreev reflection: Regular, retro and specular.

8. ***Vikram Tripathi***

Finite temperature insulator transition in a strongly disordered superconductor.

9. ***Arti Garg***

TBA

10. ***Arnab Sen***

Tuning a random field mechanism in the site-diluted J_1 - J_2 model.

11. ***Shradha Mishra***

Phase separation in binary mixtures of active and passive particles.

12. ***Sakuntala Chatterjee***

Filaments growing against a membrane with shape fluctuations.

13. ***S. Ramasesha***

TBA

14. ***Sanjay Puri***

Ordering dynamics in disordered systems.

15. **Abhishek Dhar**
TBA
16. **Swapan K Pati**
Phase transitions and dynamics of a few model low dimensional optical lattice systems.
17. **R. Ganesh**
Resonating valence bonds and spinon superfluidity in a cavity.
18. **Subhro Bhattacharjee**
Spectroscopy of quantum spin liquids.
19. **Anupam Kundu**
Anomalous temperature profiles in open systems.
20. **Prosenjit Singha Deo**
Stability of quantum devices.
21. **R. Rajesh**
Velocity distribution of a driven granular gas.
22. **Arghya Taraphder**
Emergence in Oxide Hetero-interfaces.
23. **Manish Jain**
Layer dependence and substrate screening effects in two-dimensional materials.
24. **Prasanta K. Panigrahi**
TBA
25. **Gautam I Menon**
Modelling stem cell mechanics.
26. **Mukul Laad**
Strange metals arising from selective-Mottness in quantum matter: A high-D perspective.
27. **Tanusri Saha Dasgupta**
A-site hybridization wave induced Mott transition: A case study with BiNiO_3 .
28. **Krishnendu Sengupta**
A strong coupling expansion for ultracold bosons.
29. **Mustansir Barma**
Time evolution of intermittency in the passive slider problem.
30. **Sumanta Kundu**
Double transition in a model of oscillating percolation.

31. *Arghya Das*

Hydrodynamics and universality of Manna fixed energy sandpiles.

32. *Parthasarathi Majumdar*

Superresonance and inertial frame dragging in a rotating acoustic analogue spacetime.

33. *Satya Majumdar*

Extreme value statistics in stochastic processes