

QIC-2019

DATE:8/12/2019

3:30-4:10	INAUGURATION
4:10-4:30	TEA
SESSION COORDINATOR	Subhas Chaturvedi
4:30-5:10	Anirban Pathak (JIIT Noida) Semi-quantum secure communication
5:15-6:00	Anindya Bannerji (PRL Ahmedabad) Coincidence based quantum key distribution protocol

DATE:9/12/2019

SESSION COORDINATOR	P.K. Panigrahi
10:00-10:40	Guruprasad Kar (ISI Kolkata) Perfect Quantum Communication with Useless Channels by Using Quantum Switch.
10:40-11:00	TEA
11:00-11:40	Debasis Sarkar (Calcutta university) Quantum Coherence- a new resource
11:40-12:20	Somshubhro Bandyopadhyay (Bose Institute) Fidelity deviation in quantum teleportation with two-qubit states
12:30-2:40	Lunch
SESSION COORDINATOR	Guruprasad Kar
2:50-3:30	P.K. Panigrahi (IISER Kolkata) “Quantum” photons from dipole coupled two-level atomic system
3:30-4:10	Tabish Qureshi (Jamia Millia Islamia) Wave-particle duality in multipath interference
4:10-4:30	TEA
4:30-5:00	Swati Pandey (Bose Institute) Macrorealist inequalities stronger than the standard Leggett-Garg Inequalities
5:00-5:30	Mitali Sisodia (IIT Jodhpur) Let play with IBM Quantum Computer for some Quantum Communication Schemes
5:30-6:00	Anindita Banerjee (QuNu Labs)

DATE:10/12/2019

SESSION COORDINATOR	Debasis Sarkar
10:00-10:40	Subhas Chaturvedi (IISER Bhopal) Aspects of geometric phases in N-level quantum systems
10:40-11:00	TEA
11:00-11:40	Archan S Majumdar (SNBNCBS) A limited number of observers can sequentially share nonlocal quantum correlations
11:40-12:20	Sibasish Ghosh (IMSC Chennai) Quantum precision thermometry with weak measurement
12:30-2:40	Lunch
SESSION COORDINATOR	Sibasish Ghosh
2:50-3:20	C.M. Chandrashekar (IMSC Chennai) Quantum Simulations and Dirac cellular automata on a programmable quantum computer
3:30-4:10	R. Srikanth (PPISR Bangalore) Towards reconciling information theoretic and statistical physical definitions of quantum non-Markovianity
4:10-4:30	TEA
4:30-5:10	Alok Kumar Pan (NIT Patna) Revealing universal quantum contextuality through communication games
5:15-5:45	Asmita Kumari (HRI) Sharing non-locality and non-trivial preparation contextuality using a family of Bell's inequalities
5:45-6:00	Poster Presentation

DATE:11/12/2019

SESSION COORDINATOR	Somshubhro Bandyopadhyay
10:00-10:40	Sai Vinjanampathy (IIT Bombay) Quantum Synchronization: Examples and A Unified Measure
11:00-11:40	TEA
11:45-12:15	Priya Malpani (IIT Jodhpur) Engineered quantum states for quantum information processing
12:15-2:30	Lunch