

Conference on Quantum Foundations, Technology and Applications

October 18-21, 2019



Name	Affiliation	Title
AKSHAYA J	IIT Madras	Finding good quantum codes using the Cartan form
Amit Anand	IEST SHIBPUR	Solving Diner's Dilemma Game, Circuit Implementation and Verification on the IBM Quantum Simulator
Anju Rani	Physical Research Laboratory	Generation of higher order LG modes from Laser Cavity using Cylindrical mode converter.
Anupam Sarkar	The Institute of Mathematical Sciences	Multi-bit quantum random number generator from a single qubit quantum walk
ARINDAM MITRA	The Insitute of Mathematical Science	On optimal cloning and incompatibility
ATHULYA K P	IISER Thiruvananthapuram	Dephasing dynamics of two photons in the presence of correlated environment state.
Ayan Biswas	Physical Research Laboratory	Protocol to increase the key rate and distance for QKD with coherent weak laser pulses
Bijoy John Mathew	IISER Thiruvananthapuram	Nonclassical states of light in a nonlinear Michelson interferometer
Chandan Mahto	IISER TVM	What are the resources of mixed state quantum computation ?
Gaurav Rudra Malik	Institute of Science, Banaras Hindu University	Characterizing entanglement for interacting particles in double-well potentials
Gautam Sharma	Harish Chandra Research Institute Allahabad	Fine Grained Uncertainty Determines Preparation Contextuality
Hemant Hegde	IIT DHARWAD	Quantum Dense Coding using non-Gaussian states
Himanshu Badhani	JRF, IMSc Chennai	Gravitationally induced entanglement between two quantum walkers
Indrajith V S	NIT Trichy	Measurement Induced Non-Locality based on Hellinger distance
Jyoti Faujdar	IIT Jodhpur	Controllers authorities versus efficiencies of partially entangled states in a N+2 party protocol
Kiran P	Indian Institute of Technology Dharwad	Quantum Dense Coding using non-Gaussian states
Nayana Das	Indian Statistical Institute	Dimensionality distinguishers
Pooja	D. A. V. University, Jalandhar	Information Entropy for Nonlinear Optical Bright Solitons
Prateek Chawla	Institute of Mathematical Sciences, Chennai	Computational power of single qubit discrete-time quantum walk
Pritam Chattopadhyay	Indian Statistical Institute	Probing Uncertainty Relations in Non-Commutative Space
PRIYA BATRA	IISER PUNE	Push-Pull Optimization of Quantum Control
Prosenjit Maity	Ramakrishna Mission Residential College	Implementation of a holonomic 3-qubit gate using Rydberg atoms in a microwave cavity
REENA I	Bangalore University	Rotational invariant form of sum uncertainty relations for permutation symmetric two -qubit states
Sandeep Mishra	Guru Gobind Singh Indraprastha University	Coherence, decoherence and visibility in a multi-path interference experiment
Sarbani Chatterjee	IISER Mohali	Open Problems in Entanglement Theory
Sarika Mishra	Physical Research Laboratory, Ahmedabad	Measurement of orbital angular momentum state of light by modal decomposition
Satnaam Singh	IISER Mohali	Reducing the scan time for assisted quantum adiabatic passage of a single spin
Satyajeet Patil	Physical Research Laboratory	Non-separable States of Light - Generation & Analysis
Shalin Jose	IISER Thiruvananthapuram	Dynamics of Non- Uniformly Accelerating Detector
Shashank Gupta	S. N. Bose National Centre for Basic Sciences	Self-testing any pure entangled GGHZ state in tripartite scenario.
Shikhar Singh	IIT Roorkee	QUANTUM COMPUTERS- PRESENT AND FUTURE
Shivani Singh	The Insitute of Mathematical Science	Equivalent forms of 1D discrete-time quantum walks and quantum circuits for implmentation in near term quantum devices
Shrikant Utagi	Poomaprajna Institute of Scientific Research	Non-Markovian depolarizing channel with multiply singular generator
SMITHA RAO H S	UNIVERSITY OF MYSORE, MYSURU	Joint measurability of a complete set of commuting operators
Suman Chand	IIT ROPAR	Behavior of a Quantum Heat Engine at the Critical Point
Varun Sharma	PRL Ahmedabad	Tunable multi-structured-beam optical parametric oscillator
Vijay Pathak	IISER Thiruvananthapuram	Collision model based non-Markovian dynamics