

Name	University/Organization Name	Abstract Title	Type
Snigdhadhev Ray	Indian Association for the Cultivation of Science	Manipulating decoherence: Towards a universal framework	Poster
Soumit Roy	International Institute of Information Technology	Teleportation Fidelity of Binary Tree Quantum Repeater Networks	Poster
Shashaank Khanna	University of York	Non-Classical Quantum Correlations in Causal Structures: What Quantum Correlations Teach Us About Causality	Poster
	National Institute of Science Education and Research (NISER), Bhubaneswar, India	Generation and persistence of topological edge states, hybrid entangled states and flat bands in finite quantum systems using quantum walks under noisy settings	Poster
Dinesh Kumar Panda	Univeristy of Luxembourg	Lyapunov Controlled Counterdiabatic Quantum Optimization	Poster
Kasturi Ranjan Swain		Maximally psi-epistemic models cannot explain gambling with two qubits	Poster
Sagnik Ray	IISER Thiruvananthapuram	Quantum Conceptual Framework for Dyadic Negotiation Outcomes from Facial Emotions	Poster
Tadgata Choudhury	Adani University		
Rishika Mittal	Indian institute of science education and research(IISER), Pune	Decoherence Free Subspaces in the NISQ Era	Poster
Rajiv Kumar	IIT BHU Varanasi	Dynamics of Majorana Zero Modes in a Hybrid Kitaev Chain	Poster
Sourav Manna	Indian Institute of Technology Madras	Controlling and Probing Measurement-Induced Phase Transitions in Quantum Circuits	Poster
	University of Technology Sydney	Blind-spots of Randomized Benchmarking Under Correlated Noise	Poster
Soumik Mahanti	Indian Institute of Science Education and Research (IISER), Pune	Experimental Realization of Superposition of Channels and its Applications	Poster
Deepika Bhargava		Secure One-Sided Device-Independent Quantum Key Distribution Under Collective Attacks with Enhanced Robustness	Poster
Pritam Roy	S.N. Bose National Centre for Basic Sciences	Revealing Nonlocality in Continuous Variable Networks through Pseudospin Measurements	Poster
Sudip Chakrabarty	S. N. Bose National Centre for Basic Sciences	Detection of genuine multipartite entanglement using moments of positive maps	Poster
Saheli Mukherjee	S.N. Bose National Centre for Basic Sciences	On the characterization of Schmidt number breaking and annihilating channels	Poster
Bivas Mallick	S.N. Bose National Centre for Basic Sciences, Kolkata	Global vs. Local Discrimination of Locally Implementable Multipartite Unitaries	Poster
Satyaki Manna	IISER TVM		Poster

SOURADEEP SASMAL	Institute of Fundamental and Frontier Sciences, University of Electronic Science and Technology of China, Chengdu, Sichuan, China	Self-testing in a constrained prepare-measure scenario sans assuming quantum dimension	Talk
Mir Alimuddin	ICFO The Institute of Photonic Sciences, Barcelona, Spain	Universal Deterministic Entanglement Distribution via Quantum Repeaters	Talk
Debarshi Das	Shiv Nadar Institution of Eminence, Delhi NCR, India	A New Experimental Proposal to Test the Quantumness of Gravity	Talk
Amit Kundu	S N Bose National Centre for Basic Sciences, Kolkata	Nature of Quantum Correlation in triangle network Geometric Discord as a resource for quantum key distribution in arbitrary dimensional systems	Talk
Rashi Jain	Delhi Technological University, Delhi	ONE-PARAMETER TWO-QUBIT GATE FAMILIES TO GENERATE ALL TWO-QUBIT GATES	Poster
Karthick Selvan M	Vellore Institute of Technology, Vellore	What foundations-informed machine learning reveals about genuine network nonlocality, what it requires, and its robustness to noise and shared randomness.	Poster
Anantha Krishnan Sunilkumar	IISER Thiruvananthapuram	Magnetic Field Detection Using a Two-Qubit System Under Noisy Heisenberg Interaction	Poster
Sayan Sengupta	National Institute of Technology Sikkim	Exploration of Qutrit ensembles for quantum metrology and many- body physics	Poster
Deep Datta	Indian Institute of technology Madras Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR)	Nature of noise reveals the extent of quantum advantage	Poster
V Vijaykrishnan Sonia	Delhi Technological University Delhi	Detection of Entanglement through Non-Linear Witness Operators	Poster
Subrata Bera	University of Calcutta	Distillable genuinely entangled space: Beyond strong nonlocal unextendible bases	Poster
Indranil Biswas	University of Calcutta	Increasing entanglement concentration via measurement- imaginaryity	Poster
Ananda G. Maity	IIT Goa	Disti-Mator: an entanglement distillation-based state estimator	Talk
Sinchan Snigdha Rej	Indian Association for the Cultivation of Science	Quantum computation using dark states in a Rydberg atom array	Poster
Mohit Dilipbhai Rohida	Ahmedabad University	Quantum algorithm for edge detection in digital grayscale images	Poster

Amit Bhunia	Okinawa Institute of Science and Technology, OKinawa, Japan	Realization of NV- Spins Ensemble-based Quantum Transducer at Millikelvin Temperatures	Talk
Prabuddha Roy	Korea Institute for Advanced Study (KIAS), Seoul, South Korea	Semi-device-independent self-testing of unitary operations	Talk
Abhinay Pandey	IIT Madras Chennai 600036	Collective Vibronic Cascade in Cavity-Coupled Jahn-Teller Active Molecules	Poster
Payal D. Solanki	Deloitte Consulting India Private Limited	Harnessing Quantum Dynamics for Robust and Scalable Quantum Extreme Learning Machines	Poster
Shivanandini D	Thiagarajar College of Engineering, Madurai	A Comparative Survey and Co-Optimization Framework of Quantum-Native Algorithms for High-Fidelity Entanglement Distribution	Poster
Mohammad Arif	National Institute of Technology, Warangal	Quantum Approximate Optimization Algorithm for the Total Roman {3}-Domination Problem on Graphs	Poster
Rakshit Gharat	Macquarie University	On efficient block-encodings of SLAC derivative operators	Poster
Sudhanva Joshi	IIT(BHU) Varanasi	Quantum Teleportation through β dependent SYK Wormholes: From Single-Qubit to Bell-Pairs	Poster
Amit Mukherjee	Indian Institute of Technology Jodhpur	Title: Zero-Error Nash Equilibrium: Harnessing Nonlocal Correlation in Incomplete Information Games	Talk
Pratik Ghosal	S. N. Bose National Centre for Basic Sciences, Kolkata	Gottesman-Knill Limit on One-way Communication Complexity: Tracing the Quantum Advantage down to Magic Resources	Talk
Subhendu Bikash Ghosh	SNBNCBS, KOLKATA	Minimum Detection Efficiencies for Loophole-free Genuine Nonlocality Tests	Talk
P Venkata Subba Reddy	NIT Warangal	Quantum Approximate Optimization Algorithm for the Perfect Roman Domination Problem on Graphs	Talk
SUBHRA MUDLI	INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE	Ion-atom two-qubit quantum gate using phonon blockade	Poster
Kunika Agarwal	S.N. Bose National Centre for Basic Sciences, Kolkata	Quantum Incompatibility in Parallel versus Antiparallel Spins	Poster
BHAVESH GUPTA	Indian Institute of Technology Madras	Expedited Noise Spectroscopy of Transmon Qubits.	Poster
Arghya Mukherjee	Macquarie University	Private Predicate Queries on Encrypted Quantum-Encoded Data	Poster
Devanshu Shekhar	Indian Institute of Technology Kharagpur	Quantum diagonalization of antiferromagnetic Heisenberg model on a Kagome lattice	Poster

Sourav Dutta	Indian Institute of Technology Madras	Noise-adapted Probabilistic Quantum Error Correction Codes	Poster
Sujay Mondal	Ramakrishna mission Vivekananda Educational and Research Institute, Belur, Howrah	Tensor-Network-Based Unraveling of Non-Markovian Dynamics in Large Spin Chains via the Influence Martingale Approach	Poster
Vismay Joshi	Indian Institute of Technology Madras	Experimental Probabilistic Quantum Error Correction Beyond Break-Even	Poster
Anubhab Rudra	Indian Institute of Technology Madras	Non-Abelian Braiding of Poor Man's Majorana States on a Quantum Processor	Poster
Uday Mathur	Indian Institute of Technology (BHU), Varanasi	Analysis of Leakage Suppression in Transmon Qubits Under Different DRAG Drives	Poster
Nikolay Shlykov	P.N. Lebedev Physical Institute of RAS, Moscow, Russia	A high-NA objective for optical tweezers and readout of Yb atoms	Poster
Dmitrii Tregubov	Lebedev Physical Institute of Russian Academy of Sciences	Pulsed loading of Yb MOT for quantum computing	Poster
Vivek Verma	Indian Institute of Technology Roorkee	Quantum Image Encryption Algorithm using a Simple Memristive Hopfield Neural Network based on Mixed Piecewise Linear Activation Functions and Quantum Block-Based Unitary Operations	Poster
Abhijit Hazra	Pondicherry University	A unique Parameterization technique for Hamiltonian Variational Ansatz designed for VQE based Problems	Poster
Sreekanth S	Indian Institute of Technology Dharwad	Genuine multipartite entanglement of quantum systems with accelerating observers	Poster
Bishal Kumar Das	Indian Institute of Technology Madras	Absence of quantum Darwinism as a resource in secure quantum communication and computation	Poster
Gurpahul Singh	University of Waterloo/Perimeter Institute for Theoretical Physics	Trajectory Protected Quantum Computing	Poster
Ranendu Adhikary	ISI Kolkata	Self-testing of nonmaximal genuine entangled states using tripartite Hardy relations	Talk
Sahil Gopalkrishna Naik	SNBNCBS	No-Go Theorem for Generic Simulation of Qubit Channels with Finite Classical Resources	Poster
Abhishek Sadhu	Indian Association for the Cultivation of Science, Kolkata	KANQAS: Kolmogorov-Arnold Network for Quantum Architecture Search	Talk
Snehasish Roy Chowdhury	Indian Statistical Institute, Kolkata	Local Inaccessibility of Random Classical Information	Poster