

## Posters

Kiran Adhikari	<b>Quantum Cryptographic protocols from Random Circuit Sampling</b>
Ben Barber	<b>Post-selection-free preparation of high-quality physical qubits</b>
Alessandro Ciani	<b>Microwave-activated gates between a fluxonium and a transmon qubit</b>
Ish Dhand	<b>Designing logical qubits via easy-to-use and featured simulation software</b>
Carlos Alberto Diaz Lopez	<b>Considering spatial correlations within the circuit noise model to calculate weights on a decoder graph</b>
Daniel Egger	<b>Well-conditioned multi-product formulas for hardware-friendly Hamiltonian simulation</b>
Anders Enevold Dahl Karsten Flensberg Morten Kjaergaard Svend Krøjer	<b>Overcoming barriers: Fast universal control of a qubit with variable protection</b>
Francisco Fernandes Pereira	<b>Entanglement-assisted Quantum Codes from Cyclic Codes</b>
Regina Finsterhoelzl	<b>Error correcting codes on near-term devices of quasi-linear and central-spin-like connectivity</b>
Uwe R. Fischer	<b>Implementation-independent sufficient condition of the Knill-Laflamme type for the autonomous protection of logical qudits by strong engineered</b>
Niklas Glaser	<b>Tunable-coupler mediated multi-qubit controlled-phase gates with superconducting qubits</b>

## Posters

Mats Granath	From maximum likelihood to machine learning based decoding of topological stabilizer codes
Bence Hetényi	Anomalous zero-field splitting for hole spin qubits in Si and Ge quantum dots [1]
Sascha Heußen	Strategies for practical advantage of fault-tolerant circuit design in noisy trapped-ion quantum computers
Joris Kattemölle	Error correlations can improve the performance of variational quantum algorithms
Andreas Ketterer	Quantum gate-error and crosstalk characterization on superconducting transmon processors
Berend Klaver	Error correction for universal parity computing
Kathrin König	New techniques to improve zero-noise extrapolation on superconducting qubits
Nathan Lacroix	Realizing Repeated Quantum Error Correction in a Distance-Three Surface Code
Yanan Liu	Greedy versus Map-based Optimized Adaptive Algorithms for random-telegraph-noise mitigation by spectator qubits
Bohan Lu	Improved decoding of quantum LDPC codes using neural-network enhanced belief propagation
Nathan McMahon	Renormalisation Through The Lens of Quantum Convolutional Neural Networks (QCNNs)

## Posters

Julius Mildenberger	<b>Implementing Lattice Gauge Theories in Digital Quantum Simulators</b>
Jayshankar Nath	<b>A co-design superconducting quantum circuit for quantum simulations</b>
Josias Old	<b>Generalized Belief Propagation Algorithms for Decoding of Surface Codes</b>
Marita Oliv	<b>The Effect of Noise on the Performance of the Variational Quantum Eigensolver</b>
Kimin Park	<b>Slowing quantum decoherence of oscillators by hybrid processing</b>
Manuel Rispler	<b>Statistical-mechanics mappings for decoding QEC codes under circuit-level</b>
Ivan Rojkov	<b>Characterization and mitigation of coherent errors of near-term quantum devices</b>
Federico Roy	<b>Implementation of Fractional State Transfer on a Superconducting Qubit Chain</b>
Felix Rupprecht	<b>A simple error mitigation strategy for variational quantum algorithms</b>
Krishnakumar Sabapathy	<b>Holi codes and how to find them!</b>
Roberto Sailer	<b>Towards a repetitive simple quantum error correction in a nitrogen-vacancy spin system</b>
Gian Salis	<b>Reflectometric readout of quantum devices: microwave sideband interferometer and tank circuits with superconducting inductors</b>
Simon Schnake	<b>Impact of Quantum Noise on QGAN Training</b>

## Posters

Alexander Simm	<b>Two qubits in one transmon - QEC without ancilla hardware</b>
Vanita Srinivasa	<b>Scalable approach for enhanced-range entanglement of electron spin qubits</b>
Jonathan Steinberg	<b>Optimizing shadow tomography with generalized measurements</b>
Tobias Stollenwerk	<b>Selective error mitigation for hard constraints in approximate quantum optimization algorithms</b>
Konstantin Tiurev	<b>The domain wall color code</b>
Sabine Tornow	<b>Measurement induced quantum walks on an IBM Quantum Computer</b>
Valle Varo	<b>Precise Quantum Angle Generator Designed for Noisy Quantum Devices</b>
Martin Wagener	<b>Towards entangling gates between bosonic qubits in trapped ions</b>
Lena Wagner	<b>Quantum Algorithms for the One-Dimensional Poisson Equation</b>
Christopher Warren	<b>Generating highly entangled states using a single-shot three-qubit gate</b>
Nicolas Wittler	<b>Co-design for quantum computing devices with optimal control</b>
Petr Zapletal	<b>Error-tolerant quantum convolutional neural networks for the recognition of symmetry-protected topological phases</b>