

Quantum Talents Symposium

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome talk

Monday 24 November 2025 13:00 (30 minutes)

Session Classification: Session 1

Contribution ID: 2

Type: **not specified**

Majoranas in Motion: Floquet topological order on a quantum processor

Monday 24 November 2025 13:30 (30 minutes)

Presenter: WILL, Melissa

Session Classification: Session 1

Contribution ID: 3

Type: **not specified**

Dirac's Dread & Feynman's Vision: Algorithms for Quantum Simulation

Monday 24 November 2025 14:00 (30 minutes)

Presenter: SCHIFFER, Benjamin

Session Classification: Session 1

Contribution ID: 4

Type: **not specified**

Entanglemons: Cross platform protected qubits from entanglement

Monday 24 November 2025 14:30 (30 minutes)

Presenter: CHAKRABORTY, Nilotpal

Session Classification: Session 1

Contribution ID: 5

Type: **not specified**

Laser-free gates for trapped-ion quantum computing

Monday 24 November 2025 15:30 (30 minutes)

Presenter: SMITH, Molly

Session Classification: Session 2

Contribution ID: 6

Type: **not specified**

Quantum Simulation of Open-System Chemical Dynamics with Trapped Ions

Monday 24 November 2025 16:00 (30 minutes)

Presenter: SO, Visal

Session Classification: Session 2

Contribution ID: 7

Type: **not specified**

Mitigating leakage and crosstalk in high-fidelity single-qubit gates using analytical pulse shaping

Monday 24 November 2025 16:30 (30 minutes)

Presenter: HYYPPÄ, Eric

Session Classification: Session 2

Contribution ID: 8

Type: **not specified**

Long-lived entanglement of molecules in magic-wavelength optical tweezers

Tuesday 25 November 2025 09:00 (30 minutes)

Presenter: RUTTLEY, Daniel

Session Classification: Session 3

Contribution ID: 9

Type: **not specified**

Analog Quantum Simulation and Digital Gates with Ultracold Atoms in Optical Lattices

Tuesday 25 November 2025 09:30 (30 minutes)

Presenter: BOJOVIC, Petar

Session Classification: Session 3

Contribution ID: **10**

Type: **not specified**

Weaving Quantum and Classical Threads: Towards Functioning Hybrid Computing Solutions

Tuesday 25 November 2025 10:00 (30 minutes)

Presenter: PERES, Filipa C R

Session Classification: Session 3

Contribution ID: 11

Type: **not specified**

Quantum Error Correction in Nearly Critical Toric Codes

Tuesday 25 November 2025 11:00 (30 minutes)

Presenter: WEINSTEIN, Zack

Session Classification: Session 4

Contribution ID: 12

Type: **not specified**

Spectral properties and coding transitions of Haar-random quantum codes

Tuesday 25 November 2025 11:30 (30 minutes)

Presenter: SOMMERS, Grace

Session Classification: Session 4

Contribution ID: 13

Type: **not specified**

Pushing the boundaries of quantum dynamics with tensor networks

Tuesday 25 November 2025 12:00 (30 minutes)

Presenter: MELLO, Antonio

Session Classification: Session 4