

Session Program

6–11 Sept 2026



**Early Career Conference in Trapped Ions (ECCTI) 2026,
Oxford**

Quantum Computing

Monday 7 September

15:20

Quantum Computing

Session

15:20–15:45

Computational Capabilities and Compilation Strategies for Trapped-Ion Quantum Computers

Speaker

Jurek Eisinger

15:45–16:05

Superconducting Ion Trap System for 87Sr^+ Hyperfine Qubit

Speaker

Qifeng Lao

16:05–16:30

Distributed quantum error detection across a trapped-ion network

Speaker

Ms Ellis Ainley

16:30–16:50

Scaling up trapped ion processors using high-speed and high-connectivity two-qubit gates

Speaker

Isabelle Savill-Brown

17:15

Wednesday 9 September

15:20

Quantum Computing

Session

15:20–15:40

Implementing and Characterising Error Mitigation by Virtual Distillation under Structured Noise

Speaker

Iver Romvig Øvergaard

15:40–16:05

Generation of Two-Photon Entanglement Using a Single Ion--Cavity System

Speaker

Adrien Amour

16:05–16:30

Observation of Cooperative Scattering Light in Trapped-Ion Crystals

Speaker

Kratveer SINGH

16:30–16:50

Practical quantum error correction on maximally modular networked architectures

Speaker

Tenzan Araki

16:50

Thursday 10 September

09:30

Quantum Computing

Session

09:30–09:50 **Microwave-driven same-species sympathetic cooling**

Speaker

Emma Vandrey

09:50–10:10 **Non-destructive parity measurement of a motional cat state**

Speaker

Ingrid H. Zimmermann

10:10–10:30

Four- and six-photon stimulated Raman transitions for coherent qubit and qudit operations

Speaker

Gabriel Gregory

10:30–10:50 **Entanglement of trapped-ion qubits over a 50 km-long fiber link**

Speaker

Armin Winkler

10:50

14:30

Quantum Computing

Session

14:30–14:50 **Quantum information processing using $^{176}\text{Lu}^+$ Qudits**

Speaker

Prachi Nagpal

14:50–15:10 **Native polyqubit gate mediated by multi-tone drive**

Speaker

Sophie Decoppet

15:10

Friday 11 September

11:15

Quantum Computing

Session

11:15–11:35 Progress on room-temperature microwave-driven two qubit quantum processor

Speaker

Alexander Onkes

11:35–11:55 Enabling mid-circuit measurement and readout with trapped barium ions

Speaker

Phoebe Grosser

11:55–12:15

Beyond squeezing: applications of generalized squeezing in hybrid spin-oscillator quantum information processing

Speaker

Kai Shinbrough

12:15–12:35

Trapped-Ion Quantum Computing Setup Joining Shuttling- and Addressing-Based Architecture

Speaker

James Rumbold

12:35