Session Program

6–11 Sept 2026

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

Quantum Technologies

Monday 7 September

13:50

Quantum Technologies

Session

13:50–14:15 **Fundamental building blocks for a trapped-ion quantum repeater link**

Speaker
Max Bergerhoff

14:15–14:40 **Scalable components for microwave-driven cryogenic trapped-ion quantum computing experiments**

Speaker
Sophie Najwa Al-Zaki

14:40–15:00 **Ion trap surface investigation using Kelvin probe force microscopy**

Speaker
Christian Flasch

15:00

Tuesday 8 September

15:20

Quantum Technologies

Session

15:20–15:45 **Conformal mapping for computationally efficient ion trap designs**

Speaker
Peter Drmota

15:45–16:10 **A Cryogenic Surface Trap with Rydberg Ions**

Speaker
Vinay Shankar

16:10–16:30 **Quantum characterization and control of single molecules**

Speaker
Max Koppelstätter

16:30–16:55 **Towards Cavity QED with Trapped Barium Ions**

Speaker
SAVELII DUDOLADOV

16:55

Thursday 10 September

11:15

Quantum Technologies

Session

11:15–11:40

Remote Entanglement of Trapped Ions Using Integrated Photonics for Collection and Interference

Speaker
Sam Bishop

11:40–12:05

Fabrication and Automated Characterisation of Optical Cavity Mirrors for Quantum Networking

Speaker
Catherine Challoner

12:05–12:30

A Linear Ion Trap with Integrated Fiber Fabry–Perot Cavity for Distributed Quantum Computing

Speaker
Shuma Oya

12:30

15:30

Quantum Technologies

Session

15:30–15:55 **Trapped ions as a platform for quantum communication over an urban fiber link**

Speaker
Christian Haen

15:55–16:20

Experimental Characterization of Normal Modes in Planar Ion Traps by Selective Mode Excitation

Speaker
Ryosuke Nishimoto

16:20–16:40 **Quantum computing with X- junction for 2D navigation of trapped ion qubits**

Speaker
Salvi Mohandas

16:40–17:00

Switchable low-noise permanent magnet gradients for long-wavelength trapped-ion quantum information.

Speaker
Caleb Burhan

17:00