Long Talks (45m)

1	Kiyotaka	Aikawa	Revealing the velocity uncertainties of a levitated particle in the quantum ground state
2	Thomas	Busch	Making statistics work: how to build and optimise a quantum engine
3	Andre	Carvalho	Make quantum computing useful with performance enhancing infrastructure software
4	Areeya	Chantasri	Continuous measurement and feedback for quantum systems: differential-equation modifications and Bayesian treatments
5	Aashish	Clerk	Quantum feedforward & many-body entanglement transitions
6	Andrew	Doherty	TBA
7	Christopher	Eichler	Realizing a reinforcement learning agent for real-time quantum feedback
8	David	Elkouss	Feedback in quantum information theory: from assisted capacities to noise contextuality.
9	Fedor	Jelezko	Quantum simulator based on nuclear spin qubits in diamond
10	Hideo	Mabuchi	Challenges for modeling coherent feedback in broadband quantum nonlinear photonics
11	James	Millen	Single and multi-levitated particle control
12	Mazyar	Mirrahimi	Gate designs for confined bosonic qubits
13	Yasunobu	Nakamura	Fast, high-fidelity, quantum-nondemolition, multiplexed readout of superconducting qubits
14	Kae	Nemoto	Designing quantum transport with environment
15	Franco	Nori	Quantum Optics with Giant Atoms: Decoherence-Free Interaction between Giant Atoms in Waveguide Quantum Electrodynamics.
16	Hiroki	Takahashi	Towards photonic interconnects between ion trap quantum computers
17	Nora	Tischler	Photonic quantum autoencoders based on qudits
18	Hiroshi	Yamaguchi	Hybrid Phononic Devices for Classical and Quantum Technologies