

## OIST Center for Quantum Technologies Mini Symposium

### Poster Session:

Poster #	Name of Presenter	Title
1	Aswathy Raj	Highly excited atom interactions with an Optical Nanofiber
2	Thomas Scrubby	An Introduction to Quantum Error Correcting Codes and Non-Pauli Errors in the Three-Dimensional Surface Code
3	Hoshu Hlyane	Excitation spectrum of a self-organised quantum state in a cold atom system
4	Kimberly Remund	Spin-1 Magnets: A $u(3)$ Formalism
5	Ananda Maity	Certifying arbitrary outcome quantum measurement requiring neither entanglement nor any dimensional restriction
6	Leilee Chojnacki	Analogues of light and gravity in the collective excitations of quantum magnets
7	Mikhail Belyanchikov	Tank circuit image charge readout for $e@He$ qubits
8	Shilu Tian	Generation of Macroscopic Quantum Motional Superpositions using Superconducting Quantum Circuits
9	Soon Teh	Integration of an Optical Cavity with a Linear Ion Trap
10	Morihiro Ohta	Electron spin resonance of vacancy clusters in diamond at millikelvin temperature
11	Kirill Shulga	Dispersive readout of $e@He$ Rydberg states with Landau levels
12	Tatiana Iakovleva	Ultra-precise distance measurement in an optomechanical system
13	Keerthy Menon	Pauli Engine: statistics unleashing a true quantum engine.
14	Ching-Ping Lee	Slow light in coherent population trapping media formed by cavity-transmon dressed system
15	Kani Mohamed	Cooling of massive objects to their motional ground state and engineering ultra-fast rotations
16	Tatsuki Hamamoto	Towards Quantum Transducer using Spins in Diamond
17	Aoi Hayashi	Quantum feature maps in quantum neural networks
18	Mathieu Couillard	Spin Ensemble Quantum Memory for Superconducting qubits
19	Mohammed Zia Jalaludeen	Cavity quantum electrodynamics with single NV centers and hollow whispering gallery resonators.