



# FINESS2024: FInite temperature Non-Equilibrium Superfluid Systems

## Wednesday 4 September 2024

### Posters II (17:00 - 19:00)

time	[id] title	presenter
17:00	[72] Unravelling Interaction and Temperature Contributions in Unpolarized Trapped Fermionic Atoms in the BCS Regime	PELSTER, Axel
17:00	[83] Quantum thermal machine regimes in the transverse-field Ising model	MURALEEDHARAN SAJITHA, Vishnu
17:00	[65] Universal description of massive vortices in superfluids	Prof. TAKEUCHI, Hiromitsu
17:00	[58] Signatures of many-body localization of quasiparticles in a flat band superconductor	SWAMINATHAN, Koushik
17:00	[53] Nonequilibrium Transport in a Superfluid Josephson Junction Chain: Is There Negative Differential Conductivity?	BEGG, Samuel
17:00	[48] On Demand Formation of Topological Defects in Ferromagnetic Spinor Bose Einstein Condensates	KERR, Zac
17:00	[47] Vortex matter simulation of the one component plasma	NEELY, Tyler
17:00	[44] Equatorial waves in rotating bubble-trapped superfluids	EFIMKIN, Dmitry
17:00	[42] Work, heat and entropy in isolated quantum systems	WILLIAMSON, Lewis
17:00	[46] Exploring the dynamics of polar core vortices in homogeneous spin-1 Bose-Einstein condensates	EDMONDS, Matthew
17:00	[49] Phononic crystal trapping geometries for improved rotational sensing with ultracold atoms	MILLER, Lachlan
17:00	[50] Tensor network methods for the Gross-Pitaevskii equation	CONNOR, Ryan
17:00	[70] Non-perturbative corrections to the weakly interacting two component Fermi gas	PELSTER, Axel
17:00	[54] Non-Hermitian dynamics of a photonic wave packet in a microcavity filled with a liquid crystal	KRÓL, Mateusz
17:00	[28] Heteronuclear mixtures: From Efimov effect to heavy Fermi polarons	RAUTENBERG, Michael
17:00	[12] Fractal spectrum and dimension extension of twisted bilayer optical lattices in ultracold atoms	SHI, Zheyu