



# SQAI-NCTS Workshop on Quantum Technologies and Machine Learning

## Thursday, 28 August 2025

### Poster (16:30 - 17:30)

time	[id] title	presenter
16:30	[147] Analysis of thermal Hall conductivity in a kagome lattice antiferromagnet using a tensor network method	NAKANISHI, Yuma
16:33	[129] A Bandit Approach to Discriminating Two Unknown Quantum States	Dr HARA, Satoshi
16:36	[116] Quantum imaginary time evolution on 1D infinite-size lattice	HUNG, Hao-Ti
16:39	[113] Rokko: Integrated interfaces for dense and sparse parallel eigensolvers	SAKASHITA, Tatsuya
16:42	[133] k-Mixture Exponential Hopfield Network	Mr HONDA, Yuki
16:45	[109] Quantum anomaly detection for the agriculture application	Prof. TOMONO, Takao
16:48	[102] Toward Neutral Atom Array Quantum Processors in Singapore	NGUYEN, Xuan Thanh
16:51	[135] Topological entanglement swapping in spin-ladder systems	HAMADA, Mizuki
16:54	[137] Numerical calculation of dynamical structure factor for various total spin quantum numbers using tensor network	TAKAHASHI, Tomoya
16:57	[114] Quantum Scalar Field Theoretic Extension of Boltzmann Machines to Solve a Class of Moment Matching Problems	KAJISA, Takahiro
17:00	[130] Neural Quantum State Study of the Toric Code under Heisenberg	JANG, WON
17:03	[115] Mitigation of the barren plateaus through a Multilayer Variational Quantum Circuit	Mr TSENG, SHENGCHIEH
17:06	[121] Trainable Quantum Neural Networks for Multiclass Image Classification with the Power of Pre-trained Tree Tensor Networks	KOBORI, Takumi
17:09	[125] Matrix-product-state approach for real-space qubits-waveguide systems	GOTO, Shimpei
17:12	[134] Tensor network formulation of the lattice Yang-Mills theory with spectral clustering	AKIYAMA, Shinichiro
17:15	[157] Quantum Magic in Discrete-Time Quantum Walk	MITTAL, Vikash