

Session Program

24-28 Aug 2026

SQAI-NCTS Joint Workshop 2026

Contributed talks

Hiyoshi Campus, Keio University, Yokohama, Japan, Fujiwara Hiroshi Hall, Kyoseikan
4-1-1 Hiyoshi, Kohoku-Ku, Yokohama, Kanagawa 223-8526, JAPAN

Monday 24 August

15:00

Contributed talks

Session |

Location: Hiyoshi Campus, Keio University, Yokohama, Japan, Fujiwara Hiroshi Hall, Kyoseikan, 4-1-1 Hiyoshi, Kohoku-Ku, Yokohama, Kanagawa 223-8526, JAPAN

15:00–15:20

Tensor Renormalization Group Approach to the 2D Classical ANNNI Model: Existence of the Floating Phase

Speaker

Yuto Sugimoto

15:20–15:40

Copy-scarce learning of ground states

Speaker

Kaito Wada

15:40

Tuesday 25 August

11:20

Contributed talks

Session |

Location: Hiyoshi Campus, Keio University, Yokohama, Japan, Fujiwara Hiroshi Hall, Kyoseikan, 4-1-1 Hiyoshi, Kohoku-Ku, Yokohama, Kanagawa 223-8526, JAPAN

11:20–11:40

Bootstrapping problem in tensor networks

Speaker

Seishiro Ono

11:40–12:00

Spectral Small-Incremental-Entangling and Tensor-Network Complexity

Speaker

Dr Donghoon Kim

12:00–12:20

Isometrization of Tensor Network States via Gauge Propagation

Speaker

Zhiyu Jiang

12:20

15:00

Contributed talks

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15:00–15:20

Angular-time evolution and its correspondence to edge-spin dynamics in the Haldane chain

Speaker

Prof. Kouichi Okunishi

15:20–15:40

Efficient Evaluation of Genuine Multipartite Negativity in Quantum Many-Body States

Speaker

Fengfeng Song

15:40

Thursday 27 August

11:20

Contributed talks

Session |

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11:20–11:40

Thermalization from Real-Time Dynamics in the Two-Dimensional Hubbard Model

Speaker

Alessandro Sinibaldi

11:40–12:00

The Dual Power of Tensors: From Quantum Spin Liquids to High-Expressivity CNNs

Speaker

Wei-Lin Tu

12:00–12:20

Predictive Tensor-Network Tomography of Quantum Critical States from Reduced Density Matrices

Speaker

Yoshitomo Kamiya

12:20

15:00

Contributed talks

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15:00–15:20

Solving two-fermion problems using quantic tensor train

Speaker

Chia-Min Chung

15:20–15:40

Practical efficiency of Clifford-circuit-augmented MPS beyond 1D open lattice

Speaker

Akira Matsumoto

15:40

Friday 28 August

11:20

Contributed talks

Session |

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11:20–11:40

Single-copy binary composite quantum hypothesis testing for qubit states under a minimax Bayesian error criterion

Speaker

Shimpei Yamaguchi

11:40–12:00

Cross-Platform Quantum and Quantum-Inspired Optimization for Width-Aware Ecological Corridor Design

Speaker

Chia-Ho Ou

12:00–12:20

Fractional-QUBO Optimization for Global and Nested SNP-Environment Barcode Discovery in Oral Cancer and OPMD

Speaker

Ms Shih-Han Huang

12:20

15:00

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15:00–15:20

Tree tensor network analysis of ancilla-assisted passive linear optical Bell-state discrimination

Speaker

Wojciech Roga

15:20–15:40

Heuristic Schedule of Constrained Multi-Stage Quantum Walk for Combinatorial Optimization Problems with Equality Constraints

Speaker

Tomohiro Hattori

15:40