

QI	Oct 20	Oct 21	Oct 22	Oct 23	Oct 24
Chair	Plenary Session				Guoyi Zhu
09:00-09:25					Di Luo
09:25-09:40					Shijie Hu
09:40-09:55					Ye-Hong Chen
09:55-10:20					Rahul Jain
10:20-10:50					Break
Chair	Plenary Session	Kihwan Kim	No QI	Yuchen Guo	Plenary Session
10:50-11:15		Seiji Yunoki		Kihwan Kim	
11:15-11:30		Yiheng Lin		Guoyi Zhu	
11:30-11:45		Yuqin Chen		Ling Wang	
11:45-12:10		Masaki Tezuka		Zeliang Xiang	
12:10-14:00	Lunch				
13:00-14:00		Poster			
Chair	Shuo Yang	No QI	You Zhou	No QI	
14:00-14:25	Heng Fan		Daoyi Dong		
14:25-14:50	Mile Gu		Dawei Wang		
14:50-15:05	Masaya Nakagawa		Ken Funo		
15:05-15:30	Marco Tomamichel		Lin Li		
15:30-16:00	Break				
Chair	Masaya Nakagawa	No QI	Hao Song	No QI	
16:00-16:25	Valerio Scarani		Kavan Modi		
16:25-16:50	Zheng-Cheng Gu		Tao Liu		
16:50-17:05	Myung-Joong Hwang		Ziyue Hua		
17:05-17:20	You Zhou		Yulong Liu		
17:20-17:35	Yuchen Guo		Zheng-Zhi Sun		

Date: **October 20**

Chair	Shuo Yang	
14:00-14:25	Heng Fan Institute of Physics, CAS	Quantum simulation of prethermalization with a 78-qubit superconducting processor
14:25-14:50	Mile Gu Nanyang Technological University	Quantizing Autonomous Agents: Possibilities, Prospects and their relevance to Near-Future Quantum Devices
14:50-15:05	Masaya Nakagawa The University of Tokyo	Topology of discrete quantum feedback control
15:05-15:30	Marco Tomamichel National University of Singapore	On the necessity of the entropy zoo
15:30-16:00	Break	
Chair	Masaya Nakagawa	
16:00-16:25	Valerio Scarani National University of Singapore	A quantum wheel of fortune
16:25-16:50	Zheng-Cheng Gu The Chinese University of Hong Kong	Fixed-point tensor network construction and generalized symmetry for conformal field theory
16:50-17:05	Myung-Joong Hwang Duke Kunshan University	Fundamental Scaling Limit in Critical Quantum Metrology
17:05-17:20	You Zhou Fudan University	Phase Shadow: A noise-tolerant path to global quantum property estimation
17:20-17:35	Yuchen Guo Tsinghua University	Efficient quantum circuit compilation for near-term quantum advantage

Date: October 21

Chair	Kihwan Kim	
10:50-11:15	Seiji Yunoki RIKEN	Prethermal time crystalline phases and noise-induced dynamics on digital quantum computers
11:15-11:30	Yiheng Lin University of Science and Technology of China	Experimental Progress on Open Quantum Systems with Trapped Ions
11:30-11:45	Yubin Chen Graduate School of China Academy of Engineering Physics	Superior resilience to poisoning and amenability to unlearning in quantum machine learning
11:45-12:10	Masaki Tezuka Kyoto University	Binary-coupling sparse Sachdev-Ye-Kitaev model and Hayden-Preskill recovery

Date: **October 22**

Chair	You Zhou	
14:00-14:25	Daoyi Dong University of Technology Sydney	Optimization and error analysis in quantum tomography
14:25-14:50	Dawei Wang Zhejiang University	Realizing the Haldane Model in Thermal Atoms
14:50-15:05	Ken Funo University of Tokyo	Symmetry induced enhancement in quantum heat engines
15:05-15:30	Lin Li The Huazhong University of Science and Technology	Quantum information scrambling and simulation of real-time scattering in lattice gauge theory with Rydberg atoms
15:30-16:00	Break	
Chair	Hao Song	
16:00-16:25	Kavan Modi Singapore University of Technology and Design	Structures of Quantum Stochastic Processes
16:25-16:50	Tao Liu South China University of Technology	Chiral-Extended Photon-Emitter Dressed States in a Non-Hermitian Topological Bath
16:50-17:05	Ziyue Hua Tsinghua University	Quantum Metrology with Optics in the Fock Space
17:05-17:20	Yulong Liu Beijing Academy of Quantum Information Sciences	Ultralong group delay and quantum-state storage with cubic silicon-carbide membrane
17:20-17:35	Zheng-Zhi Sun Tsinghua University	Braiding non-Abelian anyons on programmable superconducting processors

Date: October 23, Thursday

Chair	Yuchen Guo	
10:50-11:15	Kihwan Kim Tsinghua University	Spin squeezing on two-dimensional ion crystal
11:15-11:30	Guoyi Zhu The Hong Kong University of Science and Technology (Guangzhou)	Nishimori transition across the error threshold for constant-depth quantum circuit
11:30-11:45	Ling Wang Zhejiang University	Hybrid Quantum-Classical Eigensolver with Real-Space Sampling and Symmetric Subspace Measurements
11:45-12:10	Zeliang Xiang Sun Yat-sen University	Quantum state transfer and error correction in bosonic systems

Date: October 24, Friday

Chair	Guoyi Zhu	
9:00-9:25	Di Luo Tsinghua University	AI+Quantum: Machine Learning Meets Quantum Simulations
9:25-9:40	Shijie Hu Beijing Computational Science Research Center	Non-Hermitian System Simulations via Density-Matrix Renormalization Group method and Quantum Circuits
9:40-9:55	Ye-Hong Chen Fuzhou University	Criticality and dissipation in the quantum Rabi model at the critical point
9:55-10:20	Rahul Jain National University of Singapore	Device-independent quantum cryptography