

Tentative Schedule of IWSSQC-10

Hong Kong Time (UTC+8)	Speaker's local time	Speaker	Affiliation	Title
29-Nov Plenary talks (online)				
14:00	Welcome and opening remarks			
14:15	15:15 (UTC+9)	Yasunobu Nakamura	RIKEN and University of Tokyo, Japan	Superconducting circuits for quantum technologies
15:15	16:15 (UTC+9)	Franco Nori	RIKEN, Japan and Umich, USA	Virtual photons in ultra-strongly coupled systems or Quantum Nonlinear Optics without Photons
16:15		Jianwei Pan	University of Science and Technology of China	From multi-photon entanglement to quantum computational advantage
29-Nov Invited talks (online)				
19:00		Io Chun Hoi	National Tsing Hua University, Taiwan	Deterministic loading of microwaves onto an artificial atom using a time-reversed waveform
19:30		Hui Yan	South China Normal University	High efficiency coherent microwave-to-optical conversion
20:00	14:00 (UTC+2)	Alex Retzker	The Hebrew University of Jerusalem	Frequency estimation and resolution at the nano-scale
20:30	14:30 (UTC+2)	Anton Kockum	Chalmers University of Technology, Sweden	Chiral quantum optics with giant atoms
21:00	8:00 (UTC-5)	Edwin Barnes	VirginiaTech, USA	Noise-resistant quantum control from geometric space curves
21:30	8:30 (UTC-5)	Jason P. Kestner	UMBC, USA	Controlled-Z gate dynamically corrected against charge noise in Si spin qubits despite crosstalk

Hong Kong Time (UTC+8)	Speaker's local time	Speaker	Affiliation	Title
30-Nov online+face-to-face mixed				
9:00	17:00 NOV29 (UTC-8)	Lin Tian	UC Merced, USA	Robust Preparation of Many-body Ground States in Jaynes-Cummings Lattices
9:30	17:30 NOV29 (UTC-8)	Hongwen Jiang	UCLA	Harnessing Valley State in Si for Fast Semiconductor Qubits
10:00		Renbao Liu	CUHK	Quantum nonlinear spectroscopy enabled by quantum sensing
10:30				break and photo taking
11:00		Dong-Keun Ki	HKU	Exploring quantum coherence and correlations in graphene
11:30		Sen Yang	HKUST	Study dynamics of spin bath via solid state qubits
12:00		Zhedong Zhang	CityU	Cavity-Controlled Quantum Dynamics of Complex Materials
30-Nov online				
14:30	16:30 (UTC+10)	Arkady Fedorov	University of Queensland, Australia	TBA
15:00	14:00 (UTC+7)	Areeya Chantasri	Mahidol, Thailand	Mitigating qubit dephasing from random telegraph noise using spectator qubits
15:30	8:30 (UTC+1)	Yvonne Yuan Gao	NUS, Singapore	Towards Universal Quantum Computation with Bosonic Qubits
16:00	17:00 (UTC+9)	Dohun Kim	Seoul National University	Coherent manipulation of strongly correlated electron states in GaAs quantum dots
16:30		Haiou Li	USTC	TBA
17:00		Yang Yu	Nanjing University	Architecture for High-Fidelity Two-Qubit Gate Operation on Superconducting Quantum Chips
17:30		Hsi-Sheng Goan	National Taiwan University	High-fidelity and robust two-qubit controlled-Z gates for direct-coupling superconducting transmon qubits
18:00		Haohua Wang	Zhejiang University	Development of multiqubit superconducting devices for simulating quantum many-body physics

Hong Kong Time (UTC+8)	Speaker's local time	Speaker	Affiliation	Title
1-Dec face-to-face				
9:00		Guofeng Zhang	PolyU	A quantum tensor singular value decomposition algorithm with applications to 3D recommendation systems
9:30		Haidong Yuan	CUHK	Ultimate precision limit in quantum metrology
10:00		Bei Zeng	HKUST	NISQ: error correction, mitigation, and noise simulation
10:30				break
10:45		Gyu Boong Jo	HKUST	Topological control of quantum states in non-Hermitian spin-orbit-coupled fermions
11:15		Jeff Ou	CityU	Recovering interference from an unbalanced SU(1,1) interferometer
11:45		Xiao Li	CityU	Quantum Thermalization and Localization in a 1D Quasiperiodic System
1-Dec online				
14:30		Wang Yao	HKU	Valley electron and exciton in twisted homobilayer semiconductors
15:00		Jianqiang You	Zhejiang University	Magnon Kerr effect in cavity magnonics
15:30		Luyan Sun	Tsinghua University	Quantum error correction and error-transparent gates based on a binomial bosonic code
16:00		Hou Ian	U Macau	Controlling qubit decoherence through solitary pulses
16:30		Wei-Min Zhang	National Cheng Kung University	TBA
17:00		Man-Hong Yung	SUSTech	Quantum Software Engineering for NISQ
17:30		Zidan Wang	HKU	TBA
18:00	Closing remarks			