



Agenda of the Quantum Matter and Quantum Information Symposium

- Wenhua Hall, Hangzhou Narada Resort & Spa Liangzhu -

- 杭州良渚君澜酒店, 文华厅 -

October 26th	, Tuesday, Day 1
08:30-08:40	Welcome Remarks
Session I	Chair: Fuchun Zhang (University of Chinese Academy of Sciences/ The University of Hong Kong
08:40-10:00	Lecture 1 Topological Physics in Iron-Based Superconductors Speaker 1: Jiangping Hu (Institute of Physics CAS) Long-Range Mutual Quantum Entanglement and Mechanism of High-Tc Superconductivity Speaker 2: Zhengyu Weng (Tsinghua University)
10:00-10:20	Photo Taking / Refreshment Break
Session II	Chair: Fuchun Zhang (University of Chinese Academy of Sciences/ The University of Hong Kong
10:20-12:20	Lecture 3 (巡游电子与磁性自由度相互作用的实验展现) Speaker 3: Donglai Feng (University of Science and Technology of China)
	Lecture 4 (复杂体系量子物态的超快调控和时间分辨光谱探测) Speaker 4: Nanlin Wang (Peking University)
	Cuprate High-Temperature Superconductivity in the Extreme Two- Dimensional Limit
	Speaker 5: Yuanbo Zhang (Fudan University)
12:20-13:30	Buffet & Lunch Break
Session III	Chair: Zhenyu Zhang (University of Science and Technology of China)
13:30-15:30	Iron-Based Superconductors as a New Majorana Playground Speaker 6: Hong Ding (Institute of Physics CAS)
	Quantum Transport Phenomena in MnBi ₂ Te ₄ Antiferromagnetic Topological Insulators Speaker 7: Yayu Wang (Tsinghua University)
	Giant Anomalous Nernst effect in Magnetic Topological Semimetals Speaker 8: Zhu' an Xu (Zhejiang University)





October 27 th	, Wednesday, Day 2
Session IV	Chair: Ruirui Du (Peking University)
08:30-10:30	Exploiting Quantum Plasmonics for Enhanced Functionalities of Low-
	Dimensional Heterostructures
	Speaker 9: Zhenyu Zhang (University of Science and Technology of China)
	Ferrovalley, Half-Valley and Supervalley Materials Speaker 10: Chungang Duan (East China Normal University)
	Determining the Range of Magnetic Interactions from the Relations Between Magnon Eigenvalues at High-Symmetry <i>k</i> Points Speaker 11: Xiangang Wan (Nanjing University)
10:30-10:50	Refreshment Break
Session V	Chair: Ruirui Du (Peking University)
10:50-12:10	Phonon Magnetic Moment and Chirality: Electronic Geometrical Phase Effect Speaker 12: Qian Niu (University of Texas at Austin/University of Science and Technology of China)
	Universal Topological Quantum Computation with Strongly Correlated Majorana Edge Modes Speaker 13: Yue Yu (Fudan University)
12:10-13:30	Buffet & Lunch Break
Session VI	Chair: Qian Niu (University of Texas at Austin/University of Science and Technology of China)
13:30-15:30	Merits of and Challenges in Semiconductor-Based Majorana Platform Speaker 14: Ruirui Du (Peking University)
	Determination of the Fractionalized Spin Excitations in Magnetically Ordered States via Entanglement Entropy Speaker 15: Jianxin Li (Nanjing University)
	Non-Fermi Liquid and Unconventional Superconductivity: Intrinsic Properties of an Emergent Bose Liquid Speaker 16: Wei Ku (Shanghai Jiao Tong University)
15:30-15:50	Refreshment Break
Session VII	Chair: Jianxin Li (Nanjing University)
15:50-17:50	Exceptional Surface in a Pseudo-Hermitian Magnon Polariton System Speaker 17: Ke Xia (Beijing Computational Science Research Center)
	Polaron Picture for the Quantum Rabi and Related Models Speaker 18: Honggang Luo (Lanzhou University)
	Exploring the Nucleon Structure at Fermi Scale Speaker 19: Hongxi Xing (South China Normal University)