

Jan 9 Afternoon Session

Regeneration

Jan 10 Morning Session

Time	Title
08:00-10:00	Tutorial 1: 2024年诺贝尔奖漫谈：从伊辛模型到神经网络，再到量子纠错 <b>Pan Zhang (张潘)</b>
10:00-10:30	Coffee Break
10:30-12:30	Tutorial 2: 从经典神经网络到量子神经网络 <b>Peng Zhang (张鹏)</b>
12:30-13:30	Lunch
Jan 10 Afternoon Session	
13:30-15:30	Tutorial 3: 量子神经网络的演进 <b>Ding Liu (刘丁)</b>
15:30-16:00	Coffee Break
16:00-18:00	Tutorial 4: 用生成模型解决物理问题 <b>Lei Wang (王磊)</b>

## Jan 11 Morning Session

Time	Title
09:00-09:30	量子智能计算：机遇与挑战 <b>Gang Su (苏刚)</b>
09:30-10:00	量子机器学习：从线路设计到系统应用 <b>Junchi Yan (严骏驰)</b>
10:00-10:20	Coffee Break
10:20-10:50	Efficient Quantum Circuits for Machine Learning Activation Functions <b>Xiaoming Sun (孙晓明)</b>
10:50-11:20	精确量子查询算法的优势 <b>Shenggen Zheng (郑盛根)</b>
11:20-11:50	Power and Limitations of Parameterized Quantum Circuits <b>Xin Wang (王鑫)</b>

## Jan 11 Afternoon Session

13:00-13:30	高精度高速度的量子纠错码解码算法研究 <b>Lingling Lao (劳玲玲)</b>
13:30-14:00	Quantum Computation on qLDPC Codes <b>Ying Li (李颖)</b>

## Poster Session

15:30-16:00	Randomized Benchmarking for Characterizing and Forecasting Correlated Processes <b>Chu Guo (郭楚)</b>
16:00-16:30	Quantum Advantage for Near-term And Fault-tolerant Quantum Computers <b>Xiao Yuan (袁骁)</b>
16:30-17:00	AI+Quantum Science <b>Jinpeng Liu (刘锦鹏)</b>

Jan 12 Morning Session	
Time	Title
09:00-09:30	Quantum Computation and Artificial Intelligence for Electronic Structure <b>Zhenyu Li (李震宇)</b>
09:30-10:00	AI驱动的功能性新材料发现方法 <b>Zefeng Gao (高泽峰)</b>
10:00-10:20	Coffee Break
10:20-10:50	Quantum State Tomography with Locally Purified Density Operators and Local Measurements <b>Shuo Yang (杨硕)</b>
10:50-11:20	自旋轨道力矩磁性隧道结真随机数发生器和概率人工神经网络应用 <b>Caihua Wan (万蔡华)</b>
11:20-11:50	Pauli Basis and the Complexity of Noisy Variational Quantum Algorithms <b>Song Cheng (程嵩)</b>
Jan 12 Afternoon Session	
13:00-13:30	Auxiliary-free Replica Shadow Estimation <b>You Zhou (周游)</b>
13:30-14:00	Quantum Kernel Function Expansion for Digital Quantum Simulations of Thermodynamics <b>Xiaopeng Li (李晓鹏)</b>
Poster Session	
15:30-16:00	Exploratory Studies on the Interaction Between Tensor Networks and Neural Networks <b>Zhiyuan Xie (谢志远)</b>
16:00-16:30	Machine Learning and Nonequilibrium Dynamics <b>Ying Tang (汤迎)</b>