IOP Publishing

1926 – 2026 TSINGHUA PHYSICS

Progress in Quantum Machine Learning – **Agenda**

Date: 10 May 2026
Venue: Room 101, Department of Physics, Tsinghua
Chair: Wenhui Duan, Tsinghua University

9:00–9:20	Welcome Speech	**Qihua Xiong**, Deputy Head of Department of Physics, Tsinghua University
		Qikun Xue, President of Southern University of Science and Technology
		Wencong Li, Deputy Director General of International Cooperation, National Natural Science Foundation of China
		Tom Grinyer, IOP Group Chief Executive Officer
Plenary Session #1		
9:20–10:00	**Mauro Paternostro**, Queen's University Belfast	Enhancing quantum information processing with neuromorphic approaches to data processing
10:00–10:40	**Shi Jin**, Shanghai Jiao Tong University	Quantum Computation of Linear and Nonlinear Partial Differential Equations
10:40–10:55 Coffee/tea break (15min)		
Plenary Session #2		
10:55–11:35	**Wolfgang Mauerer**, Technical University of Applied Science Regensburg	Quantum Elephants and Quantum Unicorns
11:35–12:15	**Shengyu Zhang**, Tencent	Are Quantum Approximate Optimization Algorithms Trainable?
12:15–13:30 Lunch		
Plenary Session #3		
13:30–14:10	**Chaoyang Lu**, University of Science & Technology of China	From Science-for-QC to QC-for-Science
14:10–14:50	**Dongling Deng**, Tsinghua University	Quantum Artificial Intelligence: The Endless Frontier
14:50–15:10 Coffee/tea break (20min)		
Closing panel and talks session		
15:10–16:30	**Careers in Quantum Machine Learning Panel Session**	
	Lirandë Pira, National University of Singapore	How Quantum Systems Learn: Structure, Trainability, and Beyond
	Panel discussion (Lirandë Pira, Tongyang Li, Peng Zhang, Xiaopeng Li, Xiongfeng Ma), 1hr 20min	
16:30–17:50	**Quantum Machine Learning in Practice: Academia-Industry Panel**	
	Zhengfeng Ji, Tsinghua University	Learning to Fight Quantum Errors
	Panel discussion (Yirong Jin, Zhengfeng Ji, Linghui Chen, Qi Gao, Dingshun Lv), 1h 20min	
17:50–18:00 Award and closing ceremony		

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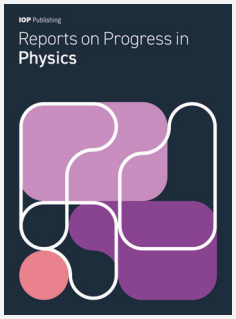
Supporting journals



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