Special Session: Physics in the Era of Artificial Intelligence

Date: October 23

chair	**Lei Wang**	
14:00-14:30	Luciano Loris Viteritti (online) EPFL	Foundation neural-networks quantum states as a unified Ansatz for multiple Hamiltonians
14:30-15:00	Yubing Qian Peking University	Revealing correlated and topological quantum states with deep learning
15:00-15:30	Alessandro Sinibaldi (online) EPFL	Time-dependent Neural Galerkin Method for Quantum Dynamics
15:30-16:00	Break	
chair	**Dario Poletti**	
16:00-16:30	Remmy Zen (online) Max Planck Institute for the Science of Light	Reinforcement Learning for Quantum Error Correction
16:30-17:00	Man-Hong Yung Huawei	From Hopfield Network to Quantum Speedup
17:00-17:30	Feng Pan Singapore University of Technology and Design	Machine Learning Solutions to Combinatorial Optimization Problems: Insights from Statistical Physics
17:30-18:00	Yuki Nagai University of Tokyo	Self-learning Monte Carlo method with equivariant transformer