Workshop Program

Time	Speaker (Affil.)	Title/Information	Chair
14:30-14:35	Qibin Zhao (RIKEN AIP)	Opening Remarks	
Keynote			
14:35-14:55	Michael Ng (HKBU)	Tensor Representation in Data Science	Qibin Zhao
14:55-15:15	Liqing Zhang (SJTU)	Tensor Submanifold Embedding for Deep Learning and Applications	Guoxu Zhou
15:15-15:30	Y-H. Taguchi (Chuo University)	Signal detection from dirty world: signal detection from large dimension, small size, and data using tensor decomposition	Tatsuya Yokota
15:30-15:45	Jicong Fan (CUHK-SZ)	Schatten-p Quasi-Norm Regularization for Tensor Completion and Tensor Robust PCA	Yuning Qiu
15:45-16:00	Kazu Ghalamkari (RIKEN AIP)	Tensor Factorization via Multi-Body Modeling on Statistical Manifold	Andong Wang
16:00-16:30		Coffee Break and Poster Session	
16:30-16:45	Qibin Zhao (RIKEN AIP)	Efficient and Robust Machine Learning with Tensor Networks	Yuning Qiu
Spotlight			
16:45-16:50	Jianfu Zhang (SJTU)	The Emergence and Challenges of Diffusion Models in Visual Content Generation	Andong Wang
16:50-16:55	Deqing Wang (CAS)	Doubly Accelerated Proximal Gradient for Nonnegative Tensor Decomposition	
16:55-17:00	Hong Lai (SWU)	Dynamic hierarchical quantum secret sharing based on the multiscale entanglement renormalization ansatz	
17:00-17:05	Naoya Yamauchi (NITech)	EM algorithm for tensor network logistic regression based on Polya-Gamma augmentation	
17:05-17:10	Chao Li (RIKEN AIP)	Discovering More Effective Tensor Network Structure Search Algorithms via Large Language Models (LLMs)	
17:10-17:15	Zhiqi Shao (USYD)	ST-SSMs: Spatial-Temporal Selective State of Space Model for Enhanced Traffic Forecasting	
17:15-17:20	Hang Liu (DUT)	Reproducibility Analysis for Coupled Tensor Decompositions Based on Federated Learning Results	
17:20-17:55		Poster Session	
17:55-18:00	Guoxu Zhou (GDUT)	Closing Remarks	