

Workshop Program - June 25

| Time | Speaker (Affil.) | Title/Information | Chair |
|---|-----------------------------------|---|----------------|
| 14:30-14:35 | Qibin Zhao (RIKEN AIP) | Opening Remarks | |
| Keynote Talk (Presentation + 3 mins Q&A) | | | |
| 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 Poly-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 | | Yuning Qiu |
| 17:55-18:00 | Guoxu Zhou (GDUT) | Closing Remarks | |