

PROGRAM AT A GLANCE

Time (JST)	Event
9:00 - 9:10	Opening and welcome session
9:10 - 9:40	Invited talk 1 Low Rank Tensor Completion and its Applications by Michael Ng
9:40 - 10:10	Invited talk 2 Quantum Mechanics, Tensor Networks and Machine Learning by Nicola Pancotti
10:10 - 10:25	Q&A
10:25 - 10:30	Spotlight talk 1 Generative Tensor Network Classification for Supervised Learning by Ding Liu, Zheng-Zhi Sun, Cheng Peng, Gang Su, Shi-Ju Ran
10:30 - 10:35	Spotlight talk 2 Recent Advances on Robust Tensor Principal Component Analysis by Lanlan Feng, Shenghan Wang, Ce Zhu, Yipeng Liu
10:35 - 10:40	Spotlight talk 3 Multiary Relational Knowledge Base Completion via Tensor Decomposition by Yu Liu, Quanming Yao, Yong Li
10:40 - 10:45	Spotlight talk 4 Trillion-Tensor: Trillion-Scale CP Tensor Decomposition by Zeliang Zhang, Xiao-Yang Liu, Pan Zhou
10:45 - 10:50	Spotlight talk 5 Tensor Representation for Brain Signal Processing by Zhe Sun, Zhiwen Zhang, Binghua Li, Feng Duan, Zipei Fan, Jordi Solé-Casals
10:50 - 10:55	Spotlight talk 6 Compressing Recurrent Neural Networks Using Hierarchical Tucker Tensor Decomposition by Miao Yin, Xiao-Yang Liu, Xiaodong Wang, Bo Yuan
10:55 - 11:00	Spotlight talk 7 An L1-L2 Variant of Tubal Nuclear Norm for Guaranteed Tensor Recovery by Andong Wang, Guoxu Zhou, Zhong Jin, Qibin Zhao
11:00 - 11:15	Contributed talk 1 Adaptive Regularizing Tucker Decomposition for Knowledge Graph Completion by Quanming Yao, Shimin Di, Yongqi Zhang
11:15 - 11:30	Contributed talk 2 Tensor Network for Supervised Learning at Finite Temperature by Haoxiang Lin, Shuqian Ye, Xi Zhu
11:30 - 11:45	Contributed talk 3 Tensor Decomposition via Core Tensor Networks by Jianfu Zhang, Zerui Tao, Qibin Zhao, Liqing Zhang
11:45 - 12:00	Q&A
12:00 - 12:05	Spotlight talk 8 cuTensor-HT: High Performance Third-order Hierarchical Tucker Tensor Decomposition on GPUs by Hao Huang, Tao Zhang, Xiao-Yang Liu
12:05 - 12:10	Spotlight talk 9 cuTensor-TT/TR: High Performance Third-order Tensor-Train and Tensor-Ring Decompositions on GPUs by Hao Hong, Tao Zhang, Xiao-Yang Liu
12:10 - 12:15	Spotlight talk 10 cuTensor-CP: High Performance Third-order CP Tensor Decomposition on GPUs by Xiao-Yang Liu, Han Lu, Tao Zhang
12:15 - 12:20	Spotlight talk 11 Convolutional Graph-Tensor Net for Graph Data Completion by Xiao-Yang Liu, Ming Zhu
12:20 - 12:25	Spotlight talk 12 Bayesian Tensor Ring Decomposition for Low Rank Tensor Completion by Zerui Tao, Qibin Zhao
12:25 - 12:30	Spotlight talk 13 Acceleration of Fractional Fourier Transforms via Tensor-train Decomposition by Runjia Zhang, Chao Li
12:30 - 12:35	Spotlight talk 14 Tensor and Tensor Networks for Machine Learning: An Hourglass Architecture by Xiao-Yang Liu, Qibin Zhao, Anwar Walid
12:35 - 12:45	Closing remarks