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 - 12:40	Spotlight talk 15 **cuTensor-CP: High Performance Third-order CP Tensor Decomposition on GPUs** by Xiao-Yang Liu, Han Lu and Tao Zhang
12:40 - 12:50	**Closing remarks**