

ERATO 感謝祭 Season III  
9 & 10 August, 2016

Kawarabayashi Large Graph Project

Day1, Tuesday 9 August 2016

- 13:00 Opening Remarks:  
Ken-ichi Kawarabayashi, National Institute of Informatics
- 13:05 **Makoto Yamada, Kyoto University**  
Beyond Ranking: Optimizing Whole-Page Presentation ([WSDM'16](#))
- 13:30 **Yuichi Yoshida, National Institute of Informatics**  
Nonlinear Laplacian for Digraphs and its Applications to Network Analysis ([WSDM'16](#))
- 13:55 **Takuya Konishi, National Institute of Informatics**  
Identifying Key Observers to Find Popular Information in Advance ([IJCAI'16](#))
- 14:20 **Takahiro Ezaki, National Institute of Informatics**  
Reinforcement Learning Explains Conditional Cooperation and Its Moody Cousin  
([PLOS Computational Biology](#))
- 14:45 – 15:00 Coffee Break
- 15:00 **Yukino Baba, Kyoto University**  
Assessing Translation Ability through Vocabulary Ability Assessment ([IJCAI'16](#))
- 15:25 **Ryusuke Takahama, Kyoto University**  
Progressive Comparison for Ranking Estimation ([IJCAI'16](#))
- 15:50 **Daisuke Hatano, National Institute of Informatics**  
Adaptive Budget Allocation for Maximizing Influence of Advertisements ([IJCAI'16](#))
- 16:15 – 16:30 Break
- 16:30 **Yasushi Sakurai, Kumamoto University**  
Regime Shifts in Streams: Real-time Forecasting of Co-evolving Time Sequences ([KDD'16](#))  
Mining and Forecasting of Big Time-series Data ([SIGMOD'15](#))  
Non-Linear Mining of Competing Local Activities ([WWW'16](#))  
Mining Big Time-series Data on the Web ([WWW'16](#))

**16:55** Ichiro Takeuchi, Nagoya Institute of Technology

Safe Pattern Pruning: An Efficient Approach for Predictive Pattern Mining ([KDD'16](#))

**17:20** Yasuo Tabei, Tokyo Institute of Technology

Scalable Partial Least Squares Regression on Grammar-Compressed Data Matrices ([KDD'16](#))

**17:45** Takuya Akiba, Preferred Networks

Compact and Scalable Graph Neighborhood Sketching ([KDD'16](#))

**18:10 – 18:25** Discussion

**18:30 – 20:30** Reception

## Day2, Wednesday 10 August 2016

**10:00 Tasuku Soma, The University of Tokyo**

A Generalization of Submodular Cover via the Diminishing Return Property on the Integer Lattice ([NIPS'15](#))

**10:25 Masaaki Imaizumi, The University of Tokyo**

Doubly Decomposing Nonparametric Tensor Regression ([ICML'16](#))

**10:50 Song Liu, The Institute of Statistical Mathematics**

Structure Learning of Partitioned Markov Networks ([ICML'16](#))

**11:15 – 11:30 Break**

**11:30 Takanori Maehara, Shizuoka University**

Joint word representation learning using a corpus and a semantic lexicon ([AAAI'16](#))

**11:55 Kohei Hayashi, National Institute of Advanced Industrial Science and Technology**

Expected Tensor Decomposition with Stochastic Gradient Descent ([AAAI'16](#))

**12:20 – 13:45 Lunch**

**13:45 Kenji Fukumizu, The Institute of Statistical Mathematics**

Persistence weighted Gaussian kernel for topological data analysis ([ICML'16](#))

**14:10 Mathieu Blondel, NTT Communication Science Laboratories**

Polynomial Networks and Factorization Machines: New Insights and Efficient Training Algorithms ([ICML'16](#))

**14:35 Atsushi Miyauchi, Tokyo Institute of Technology**

What Is a Network Community? A Novel Quality Function and Detection Algorithms ([CIKM'15](#))

**15:00 Naoto Ohsaka, The University of Tokyo**

Dynamic Influence Analysis in Evolving Networks ([VLDB'16](#))

**15:25 – 15:40 Coffee Break**

**15:40 Naonori Kakimura, The University of Tokyo**

Exact and Approximation Algorithms for Weighted Matroid Intersection ([SODA'16](#))

**16:05 Shuichi Hirahara, The University of Tokyo**

Limits of Minimum Circuit Size Problem as Oracle ([CCC'16](#))

**16:30** Akitoshi Kawamura, The University of Tokyo  
A lower bound on opaque sets ([SoCG'16](#))

**16:55** Closing remarks by Ken-ichi Kawarabayashi