

The 2nd Workshop on Scalable Machine Learning: Theories and Applications

27-Oct-14 Venue: Waterford, Hyatt Regency

8:30-08:35 Opening Remarks

08:35-09:50 Session I

08:35-09:20 Keynote: Eric Xing, Carnegie Mellon University

09:20-09:35 I-1(Paper ID S2207): Towards Scalable Graph Computation on Mobile Devices

Yiqi Chen, Zhiyuan Lin, Robert Pienta, Minsuk Kahng, and Duen Horng Chau

09:50-9:55 I-2(Paper ID BigD470): FS³: A sampling based method for top-k frequent subgraph mining

Tanay Kumar Saha and Mohammad Hasan

9:55-10:30 Break and Poster Session

10:30-12:00 Session II

10:30-11:15 Keynote: Ping Li, Rutgers University

11:15-11:30 II-1(Paper ID BigD278): Boosting Stochastic Newton Descent for Bigdata Mining and Classification

Roberto D'Ambrosio, Wafa Belhajali, and Michel Barlaud

11:30-11:45 II-2(Paper ID BigD309): Parameterized Multilayer Perceptron for Fast Learning in Big Data

Chandra B and Rajesh Kumar sharma

II-3(Paper ID S2213): A Multi-View Two-level Classification Method for Generalized Multi-instance Problems

Xiaoguang Wang, Xuan Liu, Stan Matwin, Nathalie Nathalie Japkowicz, and hongyu guo

11:45-12:00 II-4(Paper ID S2215): Applying Instance-weighted Support Vector Machines to Class Imbalanced Datasets

Xiaoguang Wang, Xuan Liu, and Stan Matwin

II-5(Paper ID S2205): Computing Fuzzy Rough Approximations in Large Scale Information Systems

Hasan Asfoor, Rajagopalan Srinivasan, Gayathri Vasudevan, Nele Verbiest, Chris Cornelis, Matthew Tolentino, Ankur Teredesai, and Martine De Cock

12:00-14:00 Lunch at your own and Poster Session (13:30-14:00)

14:00-15:20 Session III

14:00-14:45 Keynote: Duen Horng(Polo) Chau, Georgia Tech

14:45-15:00 III-1(Paper ID BigD208): Calculating Feature Importance in Data Streams with Concept Drift using Online Random Forest

Andrew Cassidy and Frank Deviney

15:00-15:20 III-2(Paper ID S2206): Feature Selection for Text Clustering in Limited Memory Using Monte Carlo Wrapper

Vinay Deolalikar

III-3(Paper ID S2208): WS²F: A Weakly Supervised Framework for Data Stream Filtering

Cailing Dong and Arvind Agarwal

III-4(Paper ID S2212): A Clustering Based Scalable Hybrid Approach for Web Page Recommendation

Mohammad Sharif and Vijay Raghavan

III-5(Paper ID BigD317): Multiresolution analysis of incomplete rankings with applications to prediction

Eric Sibony, Stéphan Cléménçon, and Jérémie Jakubowicz

15:20–15:50 Break and Poster Session

15:50–17:00 Session IV

15:50–16:05 IV-1(Paper ID BigD467): Pairwise Topic Model via Relation Extraction
Xiaoli Song, Yue Shang, Yuan Ling, Mengwen Liu, and Xiaohua Hu

16:05–16:10 IV-2(Paper ID S2201): Scalable Big Data Computing for the
Personalization of Machine Learned Models and its Application to
Automatic Speech Recognition Service
JONG HOON AHNN

16:10–16:25 IV-3(Paper ID S2210): An Improved Memory Management Scheme for Large
Scale Graph Computing Engine GraphChi
Yifang Jiang, Kai Chen, Yi Zhou, Diao Zhang, Qu Zhou, and Jianhua He

16:25–16:30 IV-4(Paper ID BigD446): Fast Algorithm for Computing Weighted Projection
Quantiles and Data Depth for High-Dimensional Large Data
Ujjal Mukherjee and Ansu Chatterjee

16:30–17:00 Free Discussion and Poster Session