

SDM15 Accepted Poster Presentations

Poster Title	Author Names
A Framework for Simplifying Trip Data into Networks via Coupled Matrix Factorization	Chia-Tung Kuo*, UC Davis; James Bailey, University of Melbourne; Ian Davidson, UC Davis
A Generalized Mixture Framework for Multi-label Classification	Charmgil Hong*, University of Pittsburgh; Iyad Batal, GE Global Research; Milos Hauskrecht, University of Pittsburgh
A Multi-label Least-Squares Hashing For Scalable Image Search	Xin-Shun Xu*, Shandong University
Causal Inference by Direction of Information	Jilles Vreeken*, MPI; Hoang Vu Nguyen, Karlsruhe Institute of Technology
Correlating Surgical Vital Sign Quality with 30-Day Outcomes using Regression on Time Series Segment Features	Risa Myers*, Rice University; John Frenzel, University of Texas MD Anderson Cancer Center; Joseph Ruiz, University of Texas MD Anderson Cancer Center; Christopher Jermaine, Rice University
Data Stream Classification Guided by Clustering on Nonstationary Environments and Extreme Verification Latency	Vinicius Souza*, University of Sao Paulo; Diego Silva, University of Sao Paulo; Joao Gama, University of Porto; Gustavo Batista, University of Sao Paulo
DIAS: A Disassemble-Assemble Framework for Highly Sparse Text Clustering	Hongfu Liu*, Northeastern University; Junjie Wu, Beihang University; Dacheng Tao, University of Technology, Sydney; Yuchao Zhang, Beihang University; Yun Fu, Northeastern University
Domain-Knowledge Driven Cognitive Degradation Modeling for Alzheimer's Disease	ying lin, ; kaibo liu, UW-Madison; eunshin byon, umich; Xiaoning Qian, Texas A&M University; Shuai Huang*, University of Washington
Ensemble Learning Methods for Binary Classification with Multi-modality within the Classes	Anuj Karpatne*, University of Minnesota; Ankush Khandelwal, University of Minnesota; Vipin Kumar, U. Minnesota
Festival, Date and Limit Line: Predicting Vehicle Accident Rate in Beijing	Xinyu Wu*, Chinese Academy of Sciences; Ping Luo, Chinese Academy of Sciences; Qing He, Chinese Academy of Sciences; Tianshu Feng, University of Science and Technology of China

Graph Regularized Meta-path Based Transductive Regression in Heterogeneous Information Network	Mengting Wan*, University of Illinois at Urbana-Champaign; Yunbo Ouyang, University of Illinois at Urbana-Champaign; Lance Kaplan, U.S. Army Research Laboratory; Jiawei Han,
Learning Dynamic Compressive Sensing Models for Big Data	Dongeun Lee, Ulsan National Institute of Science and Technology; Jaesik Choi*, UNIST
Learning Stroke Treatment Progression Models for an MDP Clinical Decision Support System	Dan Coroian*, Indiana University; Kris Hauser, Duke University
Localizing Temporal Anomalies in Large Evolving Graphs	Teng Wang*, University of California Davis; Chunsheng Fang, Pivotal Inc.; Derek Lin, Pivotal; S.Felix Wu, University of California, Davis
MET: A Fast Algorithm for Minimizing Propagation in Large Graphs with Small Eigen-Gaps	Long Le, Rutgers University; Tina Eliassi-Rad*, Rutgers University; Hanghang Tong, Arizona State University
Mining Block I/O Traces for Cache Preloading with Sparse Temporal Non-parametric Mixture of Multivariate Poisson	Lavanya Tekumalla*, Indian Institute Of Science; Chiranjib Bhattacharyya, Indian Institute of Science
Mining Multi-Relational Gradual Patterns	NhatHai Phan*, University of Oregon; Dino Ienco, IRSTEA, Montpellier; Donato Malerba, University of Bari, Italy; Pascal Poncelet, University of Montpellier 2; Maguelonne Teisseire, IRSTEA, Montpellier
Mobile App Security Risk Assessment: A Crowdsourcing Ranking Approach from User Comments	Lei Cen*, Purdue University; Deguang Kong, Samsung Research America; Hongxia Jin, Samsung Research America; Luo Si, Purdue University
Modeling User Arguments, Interactions, and Attributes for Stance Prediction in Online Debate Forums	Minghui Qiu*, Singapore Management Univ; Yanchuan Sim, Carnegie Mellon University; Noah Smith, Carnegie Mellon University; Jing Jiang, Singapore Management University
Multi-Layered Framework for Modeling Relationships between Biased Objects	Iku Ohama*, Panasonic Co.,Ltd.; Takuya Kida, Hokkaido University; Hiroki Arimura, Hokkaido University
Multi-view Low-Rank Analysis for Outlier Detection	Sheng Li*, Northeastern University; Ming Shao, Northeastern University; Yun Fu, Northeastern University
Nearest Neighbor Retrieval Using Distance-Based Hashing	Pat Jangyodsuk, ; Panagiotis Papapetrou*, Stockholm University; Vassilis Athitsos,

Non-exhaustive, Overlapping k-means	Joyce Whang*, University of Texas at Austin; Inderjit Dhillon, UT Austin; David Gleich, Purdue University
OnlineCM: Online Consensus Maximization with Missing Values	Bowen Dong*, UIC; Sihong Xie, UIC; Philip Yu,
Optimal event sequence sanitization	Grigorios Loukides*, Cardiff University; Robert Gwadera, EPFL
Predicting Neighbor Distribution in Heterogeneous Information Networks	Yuchi Ma*, Sichuan University; Ning Yang, Sichuan University; Chuan Li, Sichuan University; Lei Zhang, Sichuan University; Philip Yu,
Predicting Preference Tags to Improve Item Recommendation	Tanwistha Saha*, George Mason University; Huzefa Rangwala, George Mason University; Carlotta Domeniconi, George Mason University
REAFUM: Representative Approximate Frequent Subgraph Mining	Ruirui Li*, UCLA; Wei Wang, UCLA
Scalable Clustering of Time Series with U-Shapelets	Liudmila Ulanova*, UC Riverside; Nurjahan Begum, UC Riverside; Eammon Keogh, UC Riverside
SimplePPT: A Simple Principal Tree Algorithm	Qi Mao*, University at Buffalo; Le Yang, ; Yijun Sun, ; Steve Goodison,
Spatial Event Forecasting in Twitter	Liang Zhao*, Virginia Tech; Feng Chen, University at Albany, SUNY; Chang-Tien Lu, Virginia Tech; Naren Ramakrishnan, Virginia Tech
SpecLDA: Modeling Product Reviews and Specifications to Generate Augmented Specifications	Dae Hoon Park*, UIUC; Chengxiang Zhai, ; Lifan Guo, TCL
Taming the Empirical Hubness Risk in Many Dimensions	Nenad Tomašev*, AI Laboratory, JSI
Temporally Coherent CRP: A Bayesian Non-Parametric Approach for Clustering Tracklets with applications to Person Discovery in Videos	Adway Mitra*, Indian Institute of Science; Chiranjib Bhattacharyya, Indian Institute of Science; Soma Biswas, Indian Institute of Science
Towards Classification of Social Streams	Charu Aggarwal*, IBM Watson Research; Min-Hsuan Tsai, Google; Thomas Huang, UIUC

What shall I share and with Whom? - A Multi-Task
Learning Formulation using Multi-Faceted Task
Relationships

Sunil Gupta*, Deakin University; Santu Rana, Deakin
University; Dinh Phung, Deakin University; Svetha
Venkatesh, Deakin University
