

SDM14 Accepted Poster Papers

Paper Title	Author Names
Generalized Outlier Detection with Flexible Kernel Density Estimates	Erich Schubert, LMU Munich; Arthur Zimek*, LMU Munich; Hans-Peter Kriegel, LMU Munich
Building associations between markers of environmental stressors and adverse human health impacts using frequent itemset mining	Shannon Bell*, ORISE; Stephen Edwards, US Environmental Protection Agency
Less is More: Similarity of Time Series under Linear Transformations	Frank Höppner*, Ostfalia University
Graphical Models for Identifying Fraud and Waste in Healthcare Claims	Peder Olsen*, IBM Research; Ramesh Natarajan, ; Sholom Weiss,
Classifier-Adjusted Density Estimation for Anomaly Detection and One-Class Classification	Lisa Friedland*, UMass Amherst; Amanda Gentzel, University of Massachusetts Amherst; David Jensen, University of Massachusetts Amherst
Towards Accurate Histogram Publication under Differential Privacy	Xiaojuan Zhang*, Renmin University of China; Rui Chen, Hong Kong Baptist University; Jianliang Xu, Hong Kong Baptist University; Xiaofeng Meng, Renmin University of China; Yingtao Xie, China West Normal University
WCAMiner: A Novel Knowledge Discovery System for Mining Concept Associations using Wikipedia	Peng Yan*, North Dakota State University; Wei Jin, North Dakota State University
META: Multi-resolution Framework for Event Summarization	Yexi Jiang*, FIU; Chang-Shing Perng, IBM Research; Tao Li, Florida International University
The Benefits of Personalized Models for Smartphone-Based Activity Recognition	Jeffrey Lockhart*, Fordham University; Gary Weiss, Fordham University
Online Matrix Completion Through Nuclear Norm Regularisation	Charanpal Dhanjal*, Télécom ParisTech; Romaric Gaudel, University Lille 3; Stéphane Cléménçon , Télécom ParisTech
Online discovery of group level contextual events in time series	Xi Chen*, University of Minnesota; Abdullah Mueen, Microsoft; Vijay Narayanan, Microsoft Research; Nikos Karampatziakis, ; Gagan Bansal, ; Vipin Kumar,
Beating Human Analysts in Nowcasting Corporate Earnings by using Publicly Available Stock Price and Correlation Features	Michael Kamp*, Fraunhofer IAIS; Mario Boley, Fraunhofer IAIS; Thomas Gärtner, Fraunhofer IAIS
Relational Regularization and Feature Ranking	Fabrizio Costa, University of Freiburg; Mathias Verbeke*, KU Leuven; Luc De Raedt, KU Leuven
Exploiting Monotonicity Constraints in Active Learning for Ordinal Classification	Ad Feelders*, Universiteit Utrecht; Pieter Soons, Universiteit Utrecht

Quantifying trust dynamics in signed graphs, the S-Cores approach	Christos Giatsidis*, Ecole Polytechnique; Michalis Vazirgiannis, Ecole Polytechnique; Dimitrios Thilikos, University of Athens; Bogdan Cautis, ; Bogdan Cautis,
Improving Credit Card Fraud Detection by using Calibrated Probabilities	Alejandro CORREA BAHNSEN*, Luxembourg University; Djamila Aouada, ; Aleksandar Stojanovic, ; Björn OTTERSTEN,
Extraction of Interpretable Audio Feature Subsets	Gerhard Sageder*, University of Vienna; Maia Zaharieva, ; Matthias Zeppelzauer,
Kaleido: Network Traffic Attribution using Multifaceted Footprinting	Ting Wang*, IBM Research; Fei Wang,
ROCsearch - An ROC-guided Search Strategy for Subgroup Discovery	Marvin Meeng*, LIACS, Leiden University; Wouter Duivesteyn, TU Dortmund; Arno Knobbe, LIACS, Leiden University
Result Integrity Verification of Outsourced Bayesian Network Structure Learning	Ruilin Liu, Stevens Institute of Technolog; Hui (Wendy) Wang*, ; Changhe Yuan, Queens College, City University of New York
Classifying Imbalanced Data Streams via Dynamic Feature Group Weighting with Importance Sampling	Ke WU, Xavier University of Louisiana; andrea Edwards, ; Wei Fan, Huawei; Jing Gao, State University of New York at Buffalo; Kun Zhang*, Xavier University of Louisiana
Towards Breaking the Curse of Dimensionality for High-Dimensional Privacy	Hessam Zakerzadeh*, University of Calgary; Charu Aggarwal, IBM; Ken Barker, University of Calgary
Extracting Metadata from Academic Homepages using Labeled Features	Sujatha Das Gollapalli*, Penn state; Yanjun Qi, University of Virginia; Prasenjit Mitra, Penn State; C. Lee Giles, Penn State
Future Influence Ranking of Scientific Literature	Senzhang Wang*, Beihang University ; Sihong Xie, University of Illinois at Chic; Zhoujun Li, Beihang University; Philip Yu, University of Illinois
Membership Detection Using Cooperative Data Mining Algorithms	Calvin Newport, Georgetown University; Lisa Singh*, Georgetown University; Yiqing Ren, Georgetown University
Efficient Matching of Substrings in Uncertain Sequences	Yuxuan Li*, University of Melbourne; James Bailey, University of Melbourne; Lars Kulik, University of Melbourne; Jian Pei, Simon Fraser University
Modeling Asymmetry and Tail Dependence among Multiple Variables by Using Partial Regular Vine	Wei Wei*, University of Technology Sdyne; Jinyan Li, University of Technology Sydney; Longbing Cao, University of Technology Sydney
Multi-Task Clustering using Constrained Symmetric Non-Negative Matrix Factorization	Samir Al-Stouhi*, Wayne State University; Chandan Reddy, Wayne State University
A Weighted Adaptive Mean Shift Clustering Algorithm	Yazhou Ren*, SCUT; Carlotta Domeniconi, George Mason University; Guoji Zhang, ; Guoxian Yu, Southwest University

Community Discovery in Social Networks via Heterogeneous Link Association and Fusion	LEI MENG*, Nanyang Technological U; Ah Hwee Tan, Nanyang Technological University
Large-scale Kernel RankSVM	Tzu-Ming Kuo, National Taiwan University; Ching-Pei Lee*, National Taiwan University; Chih-Jen Lin, National Taiwan University
Learning Influence Relationships from Graphs	Chuan Hu, New Mexico State University; Huiping Cao*, New Mexico State University
Discriminative Density-ratio Estimation	Yun-Qian Miao*, University of Waterloo; Ahmed Farahat, University of Waterloo; Mohamed Kamel, University of Waterloo
Density-Based Clustering Validation	Davoud Moulavi*, University of Alberta; Pablo Jaskowiak, ; Ricardo Campello, University of Sao Paulo; Arthur Zimek, LMU Munich; Jorg Sander, University of Alberta
Directed Interpretable Discovery in Tensors with Sparse Projection	Chia-Tung Kuo*, University of California, Davis; Ian Davidson, "University of California, Davis"
Recovering Missing Labels of Crowdsourcing Workers	Qingyang Hu*, Zhejiang University; Qinming He, Zhejiang University; Hao Huang, NUS; Kevin Chiew, Provident Technology Ptd. Ltd., Singapore
Factor Matrix Trace Norm Minimization for Low-Rank Tensor Completion	Yuanyuan Liu*, The Chinese University of Hong; Fanhua Shang, The Chinese University of Hong; Hong Cheng, Chinese University of Hong Kong; James Cheng, The Chinese University of Hong Kong (CUHK)
A New Framework for Traffic Anomaly Detection	Jinsong Lan, Computer Network Information Center, Chinese Academy of Sciences; Cheng Long, HKUST; Raymond Chi-Wing Wong, Hong Kong University of Science and Technology; Youyang Chen, BIT; Danhuai Guo, ; Yuanchun Zhou, CNIC,CAS; Shuguang Liu, Chongqing Institutes of Green and Intelligent Technology, CAS; Jianhui Li*, CNIC,CAS
Characterising Seismic Data	Roel Bertens*, Utrecht University; Arno Siebes, Utrecht University
Submodularity in Team Formation Problem	Avradeep Bhowmik, ; Vivek Borkar, ; Dinesh Garg*, IBM India Research Lab; Madhavan pallan,
Unsupervised Feature Learning by Deep Sparse Coding	Yunlong He*, Georgia Institute of Technolog; Koray Kavukcuoglu, DeepMind Technologies; Yun Wang, Princeton University; Arthur Szalm, The City College of New York; Yanjun Qi, University of Virginia
Online Anomaly Detection by Improved Grammar Compression of Log Sequences	Yun Gao*, IIE,UCAS,China; Wei Zhou, ; Zhang Zhang, ; Jizhong Han, ; Dan Meng, ; Zhiyong Xu,

Large-Scale Multi-Label Learning with Incomplete Label Assignments	Xiangnan Kong*, University of Illinois at Chicago; Zhaoming Wu, ; Li-Jia Li, Yahoo Research; Philip Yu, University of Illinois at Chicago; Ruofei Zhang, ; hang Wu, ; Wei Fan, Noah's Ark Laboratory, Huawei, Ltd.
Adversarial Learning with Bayesian Hierarchical Mixtures of Experts	Yan Zhou*, University of Texas at Dallas; Murat Kantarcioglu,
Discriminant Analysis for Unsupervised Feature Selection	Jiliang Tang*, Arizona State University; Huan Liu, Arizona State University
Finding Friends on a New Site Using Minimum Information	Reza Zafarani*, Arizona State University; Huan Liu, Arizona State University
On Finding the Point Where There Is No Return: Turning Point Mining on Game Data	Wei Gong*, SMU; Ee-Peng Lim, Singapore Management University; Feida Zhu, Singapore Management University; Palakorn ACHANANUPARP, SMU; David Lo, Singapore Management University
Addressing Human Subjectivity via Transfer Learning: An Application to Predicting Disease Outcome in Multiple Sclerosis Patients	Yijun Zhao*, Tufts University; Carla Brodley, "Tufts University, USA"; Tanuja Chitnis, Harvard Medical School; Partners MS Center; Brian Healy, Harvard Medical School Partners MS Center
A graphical model approach to ATLAS-free mining of MRI images	Chris Magnano, Swarthmore College; Ameet Soni*, Swarthmore College; Sriraam Natarajan, Indiana University; Gautam Kunapuli, University of Wisconsin--Madison
To Sample or To Smash? Estimating reachability in large time-varying graphs	Feng Yu*, CUNY Graduate Center; Prithwish Basu, Raytheon BBN Technologies; Amotz Bar-Noy, CUNY; Dror Rawitz, Tel-Aviv University
An Optimization-based Framework to Learn Conditional Random Fields for Multi-label Classification	Mahdi Pakdaman Naeini*, University of Pittsburgh; Iyad Batal, University of Pittsburgh; Milos Hauskrecht, University of Pittsburgh
Discovering Groups of Time Series with Similar Behavior in Multiple Small Intervals of Time	Gowtham Atluri*, University of Minnesota; Michael Steinbach, University of Minnesota; Kelvin Lim, University of Minnesota; Angus MacDonald III, University of Minnesota; Vipin Kumar,

Memory-efficient Knowledge Priors-driven Community Detection: Application to Complex Disease Associations	Steve Harenberg*, NC State University; Ramona Seay, North Carolina State University; Stephen Ranshous, North Carolina State University; Kanchana Padmanabhan, North Carolina State University; Jitendra Harlalka, North Carolina State University; Eric Schendel, North Carolina State University; Michael O'Brien, North Carolina State University; Rada Chirkova, North Carolina State University; William Hendrix, Northwestern University; Alok Choudhary, Northwestern University; Vipin Kumar, ; Murali Doraiswamy, Duke University; Nagiza Samatova, North Carolina State University
Cost-Efficient Participatory Sensing for Traffic Monitoring	Vladimir Coric*, Temple University; Nemanja Djuric, Temple University; Slobodan Vucetic, Temple University
Iterative Framework Radiation Hybrid Mapping	Raed Seetan, North Dakota State university; Anne Denton*, North Dakota State University; Omar Al-Azzam, University of Minnesota at Crookston; Ajay Kumar, North Dakota State University; Jazarai Sturdivant, Virginia State University; Shahryar Kianian, USDA-ARS Cereal Disease Laboratory, University of Minnesota
A Guide to Selecting a Network Similarity Method	Sucheta Soundarajan*, Rutgers University; Tina Eliassi-Rad, Rutgers University; Brian Gallagher, Lawrence Livermore National Laboratory
Subgraph Search in Large Graphs with Result Diversification	Huiwen Yu*, Penn State; Dayu Yuan,
Mining interpretable biomarkers from electronic health record from aftercare home health providers	Sanjoy Dey*, University of Minnesota
Auto-play: A Data Mining Approach to ODI Cricket Simulation and Prediction	Vignesh Veppur Sankaranarayanan*, University of British Columbia; Laks V.S.Lakshmanan, University of British Columbia; Junaed Sattar, University of British Columbia
Accelerating Graph Adjacency Matrix Multiplications with Adjacency Forest	Masaaki Nishino*, NTT Corporation; Norihito Yasuda, JST ERATO Minato Project; Shin-ichi Minato, Hokkaido University; Masaaki Nagata, NTT Corporation

* = Contact Author