

Table of Contents – Part II

Regular Papers

Common Substructure Learning of Multiple Graphical Gaussian Models	1
<i>Satoshi Hara and Takashi Washio</i>	
Mining Research Topic-Related Influence between Academia and Industry	17
<i>Dan He</i>	
Typology of Mixed-Membership Models: Towards a Design Method	32
<i>Gregor Heinrich</i>	
ShiftTree: An Interpretable Model-Based Approach for Time Series Classification	48
<i>Balázs Hidasi and Csaba Gáspár-Papanek</i>	
Image Classification for Age-related Macular Degeneration Screening Using Hierarchical Image Decompositions and Graph Mining	65
<i>Mohd Hanafi Ahmad Hijazi, Chuntao Jiang, Frans Coenen, and Yalin Zheng</i>	
Online Structure Learning for Markov Logic Networks	81
<i>Tuyen N. Huynh and Raymond J. Mooney</i>	
Fourier-Information Duality in the Identity Management Problem	97
<i>Xiaoye Jiang, Jonathan Huang, and Leonidas Guibas</i>	
Eigenvector Sensitive Feature Selection for Spectral Clustering	114
<i>Yi Jiang and Jiangtao Ren</i>	
Restricted Deep Belief Networks for Multi-view Learning	130
<i>Yoonseop Kang and Seungjin Choi</i>	
Motion Segmentation by Model-Based Clustering of Incomplete Trajectories	146
<i>Vasileios Karavasilis, Konstantinos Blekas, and Christophoros Nikou</i>	
PTMSearch: A Greedy Tree Traversal Algorithm for Finding Protein Post-Translational Modifications in Tandem Mass Spectra	162
<i>Attila Kertész-Farkas, Beáta Reiz, Michael P. Myers, and Sándor Pongor</i>	

Efficient Mining of Top Correlated Patterns Based on Null-Invariant Measures	177
<i>Sangkyum Kim, Marina Barsky, and Jiawei Han</i>	
Smooth Receiver Operating Characteristics (<i>smROC</i>) Curves	193
<i>William Klement, Peter Flach, Nathalie Japkowicz, and Stan Matwin</i>	
A Boosting Approach to Multiview Classification with Cooperation	209
<i>Sokol Koço and Cécile Capponi</i>	
ARTEMIS: Assessing the Similarity of Event-Interval Sequences	229
<i>Orestis Kostakis, Panagiotis Papapetrou, and Jaakko Hollmén</i>	
Unifying Guilt-by-Association Approaches: Theorems and Fast Algorithms	245
<i>Danai Koutra, Tai-You Ke, U. Kang, Duen Horng (Polo) Chau, Hsing-Kuo Kenneth Pao, and Christos Faloutsos</i>	
Online Clustering of High-Dimensional Trajectories under Concept Drift	261
<i>Georg Kreml, Zaigham Faraz Siddiqui, and Myra Spiliopoulou</i>	
Gaussian Logic for Predictive Classification	277
<i>Ondřej Kuželka, Andrea Szabóová, Matěj Holec, and Filip Železný</i>	
Toward a Fair Review-Management System	293
<i>Theodoros Lappas and Evimaria Terzi</i>	
Focused Multi-task Learning Using Gaussian Processes	310
<i>Gayle Leen, Jaakko Peltonen, and Samuel Kaski</i>	
Reinforcement Learning through Global Stochastic Search in N-MDPs	326
<i>Matteo Leonetti, Luca Iocchi, and Subramanian Ramamoorthy</i>	
Analyzing Word Frequencies in Large Text Corpora Using Inter-arrival Times and Bootstrapping	341
<i>Jefrey Lijffijt, Panagiotis Papapetrou, Kai Puolamäki, and Heikki Mannila</i>	
Discovering Temporal Bisociations for Linking Concepts over Time	358
<i>Corrado Loglisci and Michelangelo Ceci</i>	
Minimum Neighbor Distance Estimators of Intrinsic Dimension	374
<i>Gabriele Lombardi, Alessandro Rozza, Claudio Ceruti, Elena Casiraghi, and Paola Campadelli</i>	
Graph Evolution via Social Diffusion Processes	390
<i>Dijun Luo, Chris Ding, and Heng Huang</i>	

Multi-Subspace Representation and Discovery	405
<i>Dijun Luo, Feiping Nie, Chris Ding, and Heng Huang</i>	
A Novel Stability Based Feature Selection Framework for k-means Clustering	421
<i>Dimitrios Mavroeidis and Elena Marchiori</i>	
Link Prediction via Matrix Factorization	437
<i>Aditya Krishna Menon and Charles Elkan</i>	
On Oblique Random Forests	453
<i>Bjoern H. Menze, B. Michael Kelm, Daniel N. Splitthoff, Ullrich Koethe, and Fred A. Hamprecht</i>	
An Alternating Direction Method for Dual MAP LP Relaxation	470
<i>Ofer Meshi and Amir Globerson</i>	
Aggregating Independent and Dependent Models to Learn Multi-label Classifiers	484
<i>Elena Montañés, José Ramón Quevedo, and Juan José del Coz</i>	
Tensor Factorization Using Auxiliary Information	501
<i>Atsuhiko Narita, Kohei Hayashi, Ryota Tomioka, and Hisashi Kashima</i>	
Kernels for Link Prediction with Latent Feature Models	517
<i>Canh Hao Nguyen and Hiroshi Mamitsuka</i>	
Frequency-Aware Truncated Methods for Sparse Online Learning	533
<i>Hidekazu Oiwa, Shin Matsushima, and Hiroshi Nakagawa</i>	
A Shapley Value Approach for Influence Attribution	549
<i>Panagiotis Papapetrou, Aristides Gionis, and Heikki Mannila</i>	
Fast Approximate Text Document Clustering Using Compressive Sampling	565
<i>Laurence A.F. Park</i>	
Ancestor Relations in the Presence of Unobserved Variables	581
<i>Pekka Parviainen and Mikko Koivisto</i>	
ShareBoost: Boosting for Multi-view Learning with Performance Guarantees	597
<i>Jing Peng, Costin Barbu, Guna Seetharaman, Wei Fan, Xian Wu, and Kannappan Palaniappan</i>	
Analyzing and Escaping Local Optima in Planning as Inference for Partially Observable Domains	613
<i>Pascal Poupart, Tobias Lang, and Marc Toussaint</i>	

Abductive Plan Recognition by Extending Bayesian Logic Programs	629
<i>Sindhu Raghavan and Raymond J. Mooney</i>	
Higher Order Contractive Auto-Encoder	645
<i>Salah Rifai, Grégoire Mesnil, Pascal Vincent, Xavier Muller,</i> <i>Yoshua Bengio, Yann Dauphin, and Xavier Glorot</i>	
The VC-Dimension of SQL Queries and Selectivity Estimation through Sampling	661
<i>Matteo Riondato, Mert Akdere, Uğur Çetintemel,</i> <i>Stanley B. Zdonik, and Eli Upfal</i>	
Author Index	677