# Table of Contents – Part I

Retrieval in CBR Using a Combination of Similarity and Association Knowledge ................................................. 1  
  *Yong-Bin Kang, Shonali Krishnaswamy, and Arkady Zaslavsky*

A Clustering Approach Using Weighted Similarity Majority Margins .................................................. 15  
  *Raymond Bisdorff, Patrick Meyer, and Alexandru-Liviu Olteanu*

A False Negative Maximal Frequent Itemset Mining Algorithm over Stream ........................................... 29  
  *Haifeng Li and Ning Zhang*

A Graph Enrichment Based Clustering over Vertically Partitioned Data ............................................... 42  
  *Khalid Benabdeslem, Brice Effantin, and Haytham Elghazel*

A Method for Finding Groups of Related Herbs in Traditional Chinese Medicine .................................. 55  
  *Lidong Wang, Yin Zhang, Baogang Wei, Jie Yuan, and Xia Ye*

A New Hybrid Clustering Method for Reducing Very Large Spatio-temporal Dataset .............................. 69  
  *Michael Whelan, Nhien-An Le-Khac, and M.-Tahar Kechadi*

A Normal Distribution-Based Over-Sampling Approach to Imbalanced Data Classification .................. 83  
  *Huaxiang Zhang and Zhichao Wang*

A Novel Genetic Algorithm for Overlapping Community Detection .................................................. 97  
  *Yanan Cai, Chuan Shi, Yuxiao Dong, Qing Ke, and Bin Wu*

A Probabilistic Topic Model with Social Tags for Query Reformulation in Informational Search ........... 109  
  *Yuqing Mao, Haifeng Shen, and Chengzheng Sun*

A QoS-Aware Web Services Selection Model Using AND/OR Graph ................................................ 124  
  *Hong Yu and Man Liu*

A Tweet-Centric Approach for Topic-Specific Author Ranking in Micro-Blog .................................. 138  
  *Shoubin Kong and Ling Feng*

An Algorithm for Sample and Data Dimensionality Reduction Using Fast Simulated Annealing ........... 152  
  *Szymon Lukasik and Piotr Kulczycki*
Table of Contents – Part I

An Investigation of Recursive Auto-associative Memory in Sentiment Detection ................................................................. 162

Saeed Danesh, Wei Liu, Tim French, and Mark Reynolds

APPECT: An Approximate Backbone-Based Clustering Algorithm for Tags .................................................................................. 175

Yu Zong, Guandong Xu, Ping Jin, Yanchun Zhang, EnHong Chen, and Rong Pan

Bi-clustering Gene Expression Data Using Co-similarity ........................................................................................................ 190

Syed Fawad Hussain


Jiazhen Nian, Shan Jiang, Congrui Huang, and Yan Zhang

Cluster Ensembles via Weighted Graph Regularized Nonnegative Matrix Factorization ....................................................... 215

Liang Du, Xuan Li, and Yi-Dong Shen

Continuously Identifying Representatives Out of Massive Streams ............................................................. 229

Qiong Li, Xiuli Ma, Shiwei Tang, and Shuiyuan Xie

Cost-Sensitive Decision Tree for Uncertain Data ................................................................................................................. 243

Mingjian Liu, Yang Zhang, Xing Zhang, and Yong Wang

Direct Marketing with Fewer Mistakes ................................................................................................................. 256

Eileen A. Ni and Charles X. Ling

Discovering Collective Viewpoints on Micro-blogging Events Based on Community and Temporal Aspects .................. 270

Bin Zhao, Zhao Zhang, Yanhui Gu, Xueqing Gong, Weining Qian, and Aoying Zhou

Discriminatory Confidence Analysis in Pattern Mining ....................................................................................................... 285

Russel Pears, Yun Sing Koh, and Gillian Dobbie

Dominance-Based Soft Set Approach in Decision-Making Analysis .................................................................................. 299

Awang Mohd Isa, Ahmad Nazari Mohd Rose, and Mustafa Mat Deris

Efficient Computation of Measurements of Correlated Patterns in Uncertain Data ..................................................... 311

Lisi Chen, Shengfei Shi, and Jing Lv

Efficient Subject-Oriented Evaluating and Mining Methods for Data with Schema Uncertainty ........................................... 325

Yue Wang, Changjie Tang, Tengjiao Wang, Dongqing Yang, and Jun Zhu
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>An Empirical Evaluation of Bagging with Different Algorithms on</td>
<td>339</td>
</tr>
<tr>
<td>Imbalanced Data</td>
<td></td>
</tr>
<tr>
<td>Guohua Liang and Chengqi Zhang</td>
<td></td>
</tr>
<tr>
<td>Exploiting Concept Clumping for Efficient Incremental News Article</td>
<td>353</td>
</tr>
<tr>
<td>Categorization</td>
<td></td>
</tr>
<tr>
<td>Alfred Krzywicki and Wayne Wobcke</td>
<td></td>
</tr>
<tr>
<td>Extracting Rocks from Mars Images with Data Fields</td>
<td>367</td>
</tr>
<tr>
<td>Shuliang Wang and Yashen Chen</td>
<td></td>
</tr>
<tr>
<td>Finding a Wise Group of Experts in Social Networks</td>
<td>381</td>
</tr>
<tr>
<td>Hongzhi Yin, Bin Cui, and Yuxin Huang</td>
<td></td>
</tr>
<tr>
<td>Fully Utilize Feedbacks: Language Model Based Relevance Feedback in</td>
<td>395</td>
</tr>
<tr>
<td>Information Retrieval</td>
<td></td>
</tr>
<tr>
<td>Sheng-Long Lv, Zhi-Hong Deng, Hang Yu, Ning Gao, and Hang Yu</td>
<td></td>
</tr>
<tr>
<td>Jia-Jian Jiang</td>
<td></td>
</tr>
<tr>
<td>FXProj – A Fuzzy XML Documents Projected Clustering Based on</td>
<td>406</td>
</tr>
<tr>
<td>Structure and Content</td>
<td></td>
</tr>
<tr>
<td>Tengfei Ji, Xiaoyuan Bao, and Dongqing Yang</td>
<td></td>
</tr>
<tr>
<td>Author Index</td>
<td>421</td>
</tr>
</tbody>
</table>