

Table of Contents

The First International Workshop on Big Data Management and Analytics (BDMA)

From Big Data to Big Data Mining: Challenges, Issues, and Opportunities	1
<i>Dunren Che, Mejdl Safran, and Zhiyong Peng</i>	
An Economical Query Cost Model in the Cloud	16
<i>Assia Brighen, Ladjel Bellatreche, Hachem Slimani, and Zoé Faget</i>	
BC-BSP: A BSP-Based Parallel Iterative Processing System for Big Data on Cloud Architecture	31
<i>Yubin Bao, Zhigang Wang, Yu Gu, Ge Yu, Fangling Leng, Hongxu Zhang, Bairen Chen, Chao Deng, and Leitao Guo</i>	
DNA Encoding for Splice Site Prediction in Large DNA Sequence	46
<i>A.T.M. Golam Bari, Mst. Rokeya Reaz, Ho-Jin Choi, and Byeong-Soo Jeong</i>	
Using a Pipeline Approach to Build Data Cube for Large XML Data Streams	59
<i>Hao Gui and Mark Roantree</i>	
A Study on MapReduce Processing for Multi-dimensional Continuous Query	74
<i>Doseong Jeong, Seungwoo Jeon, and Bonghee Hong</i>	
Measuring Proximity in a Graph of Spatial Data (ZIP Codes)	79
<i>M. Harist Murdani and Joonho Kwon</i>	
An Efficient Data Access Method Exploiting Quadrees on MapReduce Frameworks	86
<i>Hyunho Noh and Jun-Ki Min</i>	
Optimized Adaptive Hybrid Indexing for In-memory Column Stores	101
<i>Zhongbin Xue, Xiongpai Qin, Xuan Zhou, Shan Wang, and Anxuan Yu</i>	

Fourth International Workshop on Social Networks and Social Web Mining (SNSM)

Influence Maximization Algorithm Using Markov Clustering	112
<i>Chungrim Kim, Sangkeun Lee, Sungchan Park, and Sang-goo Lee</i>	

An Approximate Approach for Batch Update of Common Preference Group	127
<i>Dawen Jia, Zhiyong Peng, Cheng Zeng, and Deqiang Cao</i>	
A Probabilistic Approach for Events Identification from Social Media RSS Feeds	139
<i>Chiraz Trabelsi and Sadok B. Yahia</i>	
A Method of Pre-detecting Privacy Leak in Social Network Service Using Collaborative Filtering	153
<i>Chungha Kim, Kangsoo Jung, and Seog Park</i>	
The Strategies for Supporting Query Specialization and Query Generalization in Social Tagging Systems	164
<i>Jia-Ling Koh, Kuang-Ting Chiang, and I-Chih Chiu</i>	
Extracting Relations among Search Properties Based on the Operational Context of Geographical Information Retrieval Systems	179
<i>Daisuke Kitayama, Junki Matsuo, and Kazutoshi Sumiya</i>	
The Media Feature Analysis of Microblog Topics	193
<i>Xing Chen, Lin Li, and Shili Xiong</i>	
 First International Workshop on Semantic Computing and Personalization (SeCoP)	
Web Service Based Algorithm Management Framework for Stream Data Processing	207
<i>Xiaodong Zhu and Hengshan Wang</i>	
Research on Petri Net and IDEF1X Based Production Scheduling Modeling Method	220
<i>Qin Jiang-tao and Ren Shang</i>	
Product Feature Summarization by Incorporating Domain Information	231
<i>Tao Wang, Yi Cai, Guangyi Zhang, Yu Liu, Junting Chen, and Huaqing Min</i>	
Author Index	245