List of Accepted Papers

**Regular papers (37)**


4. Zhaoan Dong, Jiaheng Lu and Tok Wang Ling. PANDA: A Platform for Academic Knowledge Discovery and Acquisition

7. Svetlana Kim and Yong Ik Yoon. Architecture of 4-way Tensor Factorization for Context-Aware Recommendations

9. Young-Seob Jeong, Sang-Hun Lee and Gahgene Gweon. Discovery of Research Interests of Authors Over Time Using a Topic Model


13. Ahmed Abdelli. Recursive Motion Smoothing for Online Video Stabilization in Wide-Area Surveillance

14. Yangyang Kang. Robust and Scalable Matrix Completion

27. Wenhao Gao, Wenjian Luo and Chenyang Bu. Evolutionary Community Discovery in Dynamic Networks Based on Leader Nodes

34. Givanna Putri Haryono and Ying Zhou. Profiling Apache HIVE Query from Run Time Logs

47. Junli Lu, Lizhen Wang, Yuan Fang and Xuguang Bao. A Novel Method on Incremental Mining of Spatial Co-locations

50. Nicholas Napoli, Kevin Leach, Laura Barnes and Westley Weimer. A MapReduce Framework to Improve Template Matching Uncertainty

55. Victor Chu, Raymond Wong and Fang Chen. Enhancing Portfolio Return based on Market-sentiment Linked Topics

59. Hyeong-Il Kim, Hyeong-Jin Kim and Jae-Woo Chang. A kNN Query Processing Algorithm using a Tree Index Structure on the Encrypted Database

63. Serin Lee and Jong Soo Park. Top-k High Utility Itemset Mining Based on Utility-List Structures


69. Joonseok Yang, Duksan Ryu and Jongmoon Baik. Improving Vulnerability Prediction Accuracy with Secure Coding Standard Violation Measures

73. Yong-Yong Jo, Moonjun Chung, Sang-Wook Kim and Hyunok Oh. Data Mining in Intelligent SSD: Simulator-Based Evaluation

77. Ashwin Kumar Thandapani Kumarasamy, Prashanth Kamarapally and K.M. George. Veracity of Information in Twitter Data: A Case Study

78. Yeo-Jin Yoon, Alexander Lelidis, A. Cengiz Oztireli, Jung-Min Hwang, Markus Gross and Soo-Mi Choi. Geometry Representations for Big Geometry Data with Unsupervised Feature Learning
82. In-Ho Choi, Sung Kyung Hong and Yong-Guk Kim. Real-time categorization of driver’s gaze zone using the deep learning techniques

87. Satoshi Togawa and Kazuhide Kanenishi. Live Migration Destination Selecting Method for Disaster Recovery on e-Learning Environment

88. Giryong Choi, Chae-Gyun Lim and Youssef Iraqi. Center Biased Learning Method for Graph Matching in Object Recognition

91. Dongeon Lee, Hyungseok Kim and Mingyu Lim. An Hierarchical Model for Real-time Massive Reaction Visualization based on Anatomical Semantics

93. Kyoungsoo Bok, Jongtue Lim, Seungwan Hong and Jaesoo Yoo. A Multiple RSU Scheduling for V2I-based Data Services

100. Yu-Jen Lin, Fang-Yi Chiu and Mi-Yen Yeh. Predicting Popularity of Articles on Bulletin Board System

105. Ki-Joo Hong and Han-Joon Kim. A Semantic Search Technique with Wikipedia-based Text Representation Model

114. Mostofa Kamal Rasel and Young-Koo Lee. Exploiting CPU Parallelism for Triangle Listing using Hybrid Summarized Bit Batch Vector

126. Mohammed Nasser and Ibrahim Kamel. A New Scheme for protecting the Privacy and Integrity of Spatial Data on the Cloud

129. Nguyen Anh Tu and Young-Koo Lee. Semantic Image Retrieval Using Correspondence Topic Model with Background Distribution

136. Hancheol Park, Gahgene Gweon and Jeong Heo. Affix Modification-based Bilingual Pivoting Method for Paraphrase Extraction in Agglutinative Languages

144. Sung-Hwan Kim, Da-Yong Lee and Hwan-Gue Cho. A Eigenvalue-based Pivot Selection Strategy for Improving Search Efficiency in Metric Spaces

146. Xin Li, Haoran Xie, Yanghui Rao, Yanjia Chen, Xuebo Liu, Huan Huang and Fu Lee Wang. Weighted Multi-label Classification Model for Social Emotion Detection


156. Jeonghee Chi, Sunyoung Do and Soyoung Park. Traffic Flow based Road-Side Unit Allocation Strategy for VANET

164. Tuan Leanh, Nguyen Hoang Tran and Hong Choong Seon. Distributed Power and Channel Allocation for Cognitive Femtocell Network using a Coalitional Game Approach
Short papers (38)

3. Thien Huynh-The, Dinh-Mao Bui, Sungyoung Lee and Yongik Yoon. Improved PAM-based Traffic Behavior Recognition Using Trajectory-Wise Features

5. Hailong Liu, Zhanhuai Li, Cheqing Jin and Qun Chen. Web-based Techniques for Automatically Detecting and Correcting Information Errors in a Database


22. Jong Myoung Kim, Zae Myung Kim and Kwangjo Kim. An Approach to Spam Comment Detection through Domain-independent Features

25. Kyo-Joong Oh, Zae Myung Kim, Hyung Rai Oh, Chae-Gyun Lim and Gahgene Gweon. Travel Intention-based Attraction Network for Recommending Travel Destinations

30. Jumi Kim and Wookey Lee. OPTIMIZED COMBINATORIAL CLUSTERING FOR NOISY PERFORMANCE

32. Changhee Hahn and Junbeom Hur. Scalable and Secure Private Set Intersection for Big Data

35. Mingzhao Li, Zhifeng Bao, Liangjun Song and Henry Duh. Social-Aware Visualized Exploration of Tourist Behaviours

39. Kyung-Im Han, Hye-Jung Park and Kun-Min Lee. Speech Recognition and Lip Shape Feature Extraction for English Vowel Pronunciation of the Hearing-Impaired Based on SVM Technique

40. Pedram Khayyat Khoshnevis, Sanghyun Ahn and Hayoung Oh. An Adaptive Network Coding Scheme for Unreliable Multi-hop Wireless Networks

42. Patcharaporn Jenviriyakul, Gantaphon Chalumporn, Filippo Costa and Khajonpong Akkarajitsakul. ALICE CONNEX: A Volunteer Computing Platform for the ALICE Experiment


52. Seunghyun Jang, Sangwoo Chang and Sangsun Lee. Network Simulator Design based Event-driven scheduling for Multi-channel operation in WAVE


58. Wonang Jang and Dohoon Lee. Methodology to improve driving habits by optimizing the in-vehicle data extracted from OBDII using Genetic algorithm


75. Hyo Jin Do and Chae-Gyun Lim. Twitter Emotion Analysis During the 2015 Middle East Respiratory Syndrome Outbreak in Korea

79. Sunghee Lee, Yeongkil Song, Maengsik Choi and Harksoo Kim. Bagging-Based Active Learning Model for
Named Entity Recognition with Distant Supervision

81. Suan Lee and Jinho Kim. Performance Evaluation of MRDataCube for Data Cube Computation Algorithm Using MapReduce

83. Yasunari Takatsuka, Hiroya Nagaao, Takashi Yaguchi, Masatoshi Hanai and Kazuyuki Shudo. A Caching Mechanism Based on Data Freshness

90. Kai Cheng. Sparsifying and Sampling of Large Graphs for Efficient Dense Subgraph Detection

95. Liping Guan, Md. Hijbul Alam, Woo-Jong Ryu and Sangkeun Lee. A Phrase-based Model to Discover Hidden Factors and Hidden Topics in Recommender Systems

97. Wu Yang, Rui Tang and Ling Lu. A Fused method for news recommendation

112. Kifayat Ullah Khan, Md Mostofa Kamal Rasel, Waqas Nawaz, Young-Koo Lee and Noorul Amin. On Efficiently Summarizing a Large Dynamic Graph

115. John Yang, Hyeogjin Lee and Nojun Kwak. Kernel Parameter Selection by Gap Maximization between Intra and Inter-Class

117. Jong Myoung Kim, Hancheol Park, Gahgene Gweon and Jeong Hur. The Correlation between Search Quality and Query Popularity

118. Chih-Hua Tai, Tsung-Han Lee, Sheng-HaoChiang, Jui-Yi Tsai, De-Nian Yang, Yi-Hsin Wu and Ya-Huei Chan. On Recommendation of Graph Mining Algorithms for Different Data

122. Juneyoung Park and Mun Yi. Graph-based Retrieval Model for Semi-structured Data


125. Seok-Joo Lee, Sungmin Kang, Hongyeon Kim and Jun-Ki Min. An Efficient Parallel Graph Clustering Technique Using Pregel

130. Lin Gui, Ruifeng Xu, Qin Lu and Zhao Chen. A Sequence Level Latent Topic Modeling Method for Sentiment Analysis via CNN based Diversified RBM

137. Hosung Jo and Heejin Park. Fast Prime Generation Algorithms using proposed GCD test on Mobile Smart Devices


143. Yena Lee, Jin-Hyeok Son, Mi-Seon Choi and Young-Kuk Kim. Interoperation System between HLA/RTI Federation and DBMS through HLA/RTI Simulating Virtual Test


162. Yeon Gil Jung, Seongpil Jang, Younghoon Cho and Taeseon Yoon. Successful DNA Data Structure to Analyze Bioinformatics

163. Jae-Ho Shin, Gyoung-Don Joo and Chulyun Kim. XPath based crawling method for a targeted web site with crowdsourcing