Table of Contents

Keynotes

Scalable Integrity-Guaranteed AJAX 1
Thomas Moyer, Trent Jaeger, and Patrick McDaniel

Security and Trust in the Web 20
Vijay Varadharajan

Full Papers

Estimate Unlabeled-Data-Distribution for Semi-supervised PU Learning 22
Haoji Hu, Chaofeng Sha, Xiaoling Wang, and Aoying Zhou

Disputed Sentence Suggestion towards Credibility-Oriented Web Search 34
Yusuke Yamamoto

Exploration and Visualization of Administrator Network in Wikipedia 46
Jamal Yousaf, Juanzi Li, Haisu Zhang, and Lei Hou

An Efficient Algorithm for Arbitrary Reverse Furthest Neighbor Queries 60
Jianquan Liu, Hanxiong Chen, Kazutaka Furuse, and Hiroyuki Kitagawa

Memory-Aware BWT by Segmenting Sequences to Support Subsequence Search 73
Jiaying Wang, Xiaochun Yang, Bin Wang, and Huaijie Zhu

Mining Frequent Association Tag Sequences for Clustering XML Documents 85
Lijun Zhang, Zhanhuai Li, Qun Chen, Xia Li, Ning Li, and Ying Lou

Context-Aware Personalized Search Based on User and Resource Profiles in Folksonomies 97
Haoran Xie, Qing Li, and Xudong Mao

Distance-Based Outlier Detection on Uncertain Data of Gaussian Distribution 109
Salman Ahmed Shaikh and Hiroyuki Kitagawa

Bibliografische Informationen
http://d-nb.info/1020436549

digitalisiert durch DEUTSCHE NATIONAL BIBLIOTHEK

Extracting Keyphrase Set with High Diversity and Coverage Using Structural SVM 122
Weijian Ni, Tong Liu, and Qingtian Zeng

Discovering the Most Potential Stars in Social Networks with Infra-skyline Queries 134
Zhuo Peng, Chaokun Wang, Lu Han, Jingchao Hao, and Xiaoping Ou

Feature Based Informative Model for Discriminating Favorite Items from Unrated Ones 146
Bing Cheng, Tianqi Chen, Diyi Yang, Weinan Zhang, Yongqiang Wang, and Yong Yu

Search for Minority Information from Wikipedia Based on Similarity of Majority Information 158
Yuki Hattori and Akiyo Nadamoto

An Incremental Approach to Analyzing Temporal Constraints of Workflow Processes 170
Yanhua Du and Xitong Li

Keywords Filtering over Probabilistic XML Data 183
Chenjing Zhang, Le Chang, Chaofeng Sha, Xiaoling Wang, and Aoying Zhou

H-Tree: A Hybrid Structure for Confidence Computation in Probabilistic Databases 195
Qian Zhang, Biao Qin, and Shan Wang

Predicting Online Auction Final Prices Using Time Series Splitting and Clustering 207
Takuya Yokotani, Hung-Hsuan Huang, and Kyoji Kawagoe

Taxonomy-Oriented Recommendation towards Recommendation with Stage 219
Lei Li, Wenxing Hong, and Tao Li

A GPU-Based Accelerator for Chinese Word Segmentation 231
Xiwu Gu, Ruixuan Li, Kunmei Wen, Bei Peng, and Weijun Xiao

The Equi-Join Processing and Optimization on Ring Architecture Key/Value Database 243
Xite Wang, Derong Shen, Tiezheng Nie, Yue Kou, and Ge Yu

Efficient Probabilistic Image Retrieval Based on a Mixed Feature Model 255
Yi Zhuang, Zhiang Wu, Nan Jiang, Guochang Jiang, Dickson K.W. Chiu, and Hua Hu

A Software Watermark Based Architecture for Cloud Security 270
Pengfei Dai, Chaokun Wang, Zhiwei Yu, Yongsheng Yue, and Jianmin Wang

FindCredPg: A Novel Method to Find Credible Pages Based on Trust Web Graph 282
Teng Wang, Qing Zhu, Shan Wang, and JingFan Liang

Multiple Time Series Anomaly Detection Based on Compression and Correlation Analysis: A Medical Surveillance Case Study 294
Zhi Qiao, Jing He, Jie Cao, Guangyan Huang, and Peng Zhang

Energy-Based Metric for Ensemble Selection 306
Weimei Zhi, Huaping Guo, and Ming Fan

PUF-Based RFID Authentication Protocol against Secret Key Leakage 318
Yongming Jin, Wei Xin, Huiping Sun, and Zhong Chen

Collective Viewpoint Identification of Low-Level Participation 330
Bin Zhao, Zhao Zhang, Yanhui Gu, Weining Qian, and Aoying Zhou

Leveraging Network Structure for Incremental Document Clustering 342
Tieyun Qian, Jianfeng Si, Qing Li, and Qian Yu

Integrating Temporal Usage Pattern into Personalized Tag Prediction 354
Lei Zhang, Jian Tang, and Ming Zhang

An Optimization Strategy for Mashups Performance Based on Relational Algebra 366
Hailun Lin, Cheng Zhang, and Peng Zhang

Model-Based Similarity Measure in TimeCloud 376
Thanh-Nguyen Ngo, Hoyoung Jeung, and Karl Aberer

Guess What I Want: Inferring the Semantics of Keyword Queries Using Evidence Theory 388
Jia-Jian Jiang, Zhi-Hong Deng, Ning Gao, and Sheng-Long Lv

Re-ranking by Multi-modal Relevance Feedback for Content-Based Social Image Retrieval 399
Jiyi Li, Qiang Ma, Yasuhito Asano, and Masatoshi Yoshikawa

Towards Real Intelligent Web Exploration 411
Pavel Kalinov, Abdul Sattar, and Bela Stantic

Continuous Min-Max Distance Bounded Query in Road Networks 423
Yuan-Ko Huang, Lien-Fa Lin, Yu-Chi Chung, and I-Fang Su

Improve Top-K Recommendation by Extending Review Analysis 435
Qing Zhu, Zhe Xing, and JingFan Liang

*C*DDTA-JOIN: One-Pass OLAP Algorithm for Column-Oriented Databases 448
Min Jiao, Yansong Zhang, Yan Sun, Shan Wang, and Xuan Zhou

A Study of the Single Point Mutation Loci in the Hepatitis B Virus Sequences via Optimal Risk and Preventive Sets with Weights 460
Qi Zhang, Junpeng Zhang, Jianmei Gao, Jianfeng He, Xinmin Yan, Lei Ma, Xianwen Zhang, and Jiuyong Li

Enforcing Interaction and Cooperation in Content-Based Web3.0 Applications 472
Antonio Bevacqua, Marco Carnuccio, Alfredo Cuzzocrea, Riccardo Ortale, and Ettore Ritacco

Adaptive Topic Community Tracking in Social Network 484
Zheng Liang, Yan Jia, and Bin Zhou

Short Papers

Extracting Difference Information from Multilingual Wikipedia 496
Yuya Fujiwara, Yu Suzuki, Yukio Konishi, and Akiyo Nadamoto

Multi-strategic Approach of Fast Composition of Web Services 504
Gang Wang, Li Zhang, and Kunming Nie

Collaborative Filtering via Temporal Euclidean Embedding 513
Li'ang Yin, Yongqiang Wang, and Yong Yu

Transfer Learning with Local Smoothness Regularizer 521
Jiaming Hong, Bingchao Chen, and Jian Yin

Scalable Complex Event Processing on Top of MapReduce 529
Jiaxue Yang, Yu Gu, Yubin Bao, and Ge Yu

Learning to Recommend Based on Slope One Strategy 537
Yongqiang Wang, Li'anǧ Yin, Bing Cheng, and Yong Yu

Dataflow Optimization for Service-Oriented Applications 545
Peng Zhang, Guiling Wang, and Yanbo Han

Group-Scope Query and Its Access Method 552
Yi Wang, Fan Xia, and Aoying Zhou

Introducing SaaS Capabilities to Existing Web-Based Applications Automatically 560
Jie Song, Zhenxing Yan, Feng Han, Yubin Bao, and Zhiliang Zhu

Computing Resource Prediction for MapReduce Applications Using Decision Tree 570
Jing Tai Piao and Jun Yan

Who Resemble You Better, Your Friends or Co-visited Users 578
Jinjing Ma and Yan Zhang

P2P-Based Publication and Sharing of Axioms in OWL Ontologies for SPARQL Query Processing in Distributed Environment 586
Huayou Si, Zhong Chen, Yun Zhao, and Yong Deng

When Sparsity Meets Noise in Collaborative Filtering 594
Biyun Hu, Zhoujun Li, and Wenhan Chao

Data Sparsity: A Key Disadvantage of User-Based Collaborative Filtering? 602
Biyun Hu, Zhoujun Li, and Wenhan Chao

Path Skyline for Moving Objects 610
Wookey Lee, Chris Soo-Hyun Eom, and Tae-Chang Jo

A Graphical Audit Facility for Data Processing and Its Evaluation with Users 618
Jens Müller, Murat Kavak, and Klemens Böhm

Efficient SPARQL Query Processing in MapReduce through Data Partitioning and Indexing 628
Zhi Nie, Fang Du, Yueguo Chen, Xiaoyong Du, and Linhao Xu

An Entity Class Model Based Correlated Query Path Selection Method in Multiple Domains 636
Jing Shan, Derong Shen, Tiezheng Nie, Yue Kou, and Ge Yu

ℓ^1-Graph Based Community Detection in Online Social Networks 644
Liang Huang, Ruixuan Li, Yuhua Li, Xiwu Gu, Kunmei Wen, and Zhiyong Xu

Improving Recommendation Based on Features' Co-occurrence Effects in Collaborative Tagging Systems 652
Hao Han, Yi Cai, Yifeng Shao, and Qing Li

Memory Performance Prediction of Web Server Applications Based on Grey System Theory 660
Faliang Huang, Shichao Zhang, Changan Yuan, and Zhi Zhong

Performance Optimization of Analysis Rules in Real-Time Active Data Warehouses 669
Ziyu Lin, Dongzhan Zhang, Chen Lin, Yongxuan Lai, and Quan Zou

Efficient Retrieval of Similar Workflow Models Based on Behavior 677
Tao Jin, Jianmin Wang, and Lijie Wen

Scalable Subspace Logistic Regression Models for High Dimensional Data 685
Shuang Wang, Xiaojun Chen, Joshua Zhexue Huang, and Shengzhong Feng

Verifying Location-Based Services with Declassification Enforcement ... 695
Cong Sun, Sheng Gao, and Jianfeng Ma

Single-Hop Friends Recommendation and Verification Based Incentive for BitTorrent 703
Yan Pang and Zongming Guo

A Compact XML Storage Scheme Supporting Efficient Path Querying 711
Xiangyu Hu, Haiwei Zhang, and Xiaojie Yuan

Self-supervised Learning Approach for Extracting Citation Information on the Web 719
Dat T. Huynh and Wen Hua

Complete-Thread Extraction from Web Forums 727
Fanghuai Hu, Tong Ruan, and Zhiqing Shao

Characterizing Topic-Specific Hashtag Cascade in Twitter Based on Distributions of User Influence 735
Geerajit Rattanaritnont, Masashi Toyoda, and Masaru Kitsuregawa

A Study on Modeling of Lightweight Scientific Workflow Systems Using XML Schema 743
Yingbo Liu, Feng Wang, Hui Deng, Xiaodong Fu, and Kaifan Ji

Hit Count Reliability: How Much Can We Trust Hit Counts? 751
Koh Satoh and Hayato Yamana

A Topological Description Language for Agent Networks 759
Hao Lan Zhang, Chaoyi Pang, Xingsen Li, Bin Shen, and Yan Jiang

Sentiment Analysis for Effective Detection of Cyber Bullying 767
Vinita Nahar, Sayan Unankard, Xue Li, and Chaoyi Pang

Demo Papers

Bizard: An Online Multi-dimensional Data Analysis Visualization Tool 775
Zhuoluo Yang, Jinguo You, Jian Wang, and Jianhua Hu

Jingwei+: A Distributed Large-Scale RDF Data Server 779
Xin Wang, Longxiang Jiang, Hong Shi, Zhiyong Feng, and Pufeng Du

Baby Careware: A Online Secured Health Consultant 784
Yanjun Cui, Yanping Zhou, Huan Mei, and Zheng Zhao

Mobile Applications towards Prevention and Management of Chronic Diseases 788
Hang Ding, Marlien Varnfield, and Mohan Karunanithi

A Healthcare Information System with Augmented Access Controls 792
Nagajyothi Gunti, Weiqing Sun, Mingzhe Xu, Zidong Liu, Mohammed Niamat, and Mansoor Alam

Author Index 797