

Table of Contents – Part II

Social Web

An Evaluation of Aggregation Techniques in Crowdsourcing	1
<i>Nguyen Quoc Viet Hung, Nguyen Thanh Tam, Lam Ngoc Tran, and Karl Aberer</i>	
Propagated Opinion Retrieval in Twitter	16
<i>Zhunchen Luo, Jintao Tang, and Ting Wang</i>	
Diversifying Tag Selection Result for Tag Clouds by Enhancing both Coverage and Dissimilarity	29
<i>Meiling Wang, Xiang Zhou, Qiuming Tao, Wei Wu, and Chen Zhao</i>	
Community Detection in Multi-relational Social Networks	43
<i>Zhiang Wu, Wenpeng Yin, Jie Cao, Guandong Xu, and Alfredo Cuzzocrea</i>	
Community Detection in Social Media by Leveraging Interactions and Intensities	57
<i>Maria Giatsoglou, Despoina Chatzakou, and Athena Vakali</i>	
A Novel and Model Independent Approach for Efficient Influence Maximization in Social Networks	73
<i>Hemank Lamba and Ramasuri Narayanam</i>	
iPLUG: Personalized List Recommendation in Twitter	88
<i>Lijiang Chen, Yibing Zhao, Shimin Chen, Hui Fang, Chengkai Li, and Min Wang</i>	
The Irreducible Spine(s) of Undirected Networks	104
<i>John L. Pfaltz</i>	
SocWeb: Efficient Monitoring of Social Network Activities	118
<i>Fotis Psallidas, Alexandros Ntoulas, and Alex Delis</i>	
A Multiple Feature Integration Model to Infer Occupation from Social Media Records	137
<i>Xiang Wang, Lele Yu, Junjie Yao, and Bin Cui</i>	
Recommending Interesting Landmarks Based on Geo-tags from Photo Sharing Sites	151
<i>Jinpeng Chen, Zhenyu Wu, Hongbo Gao, Changjie Zhang, Xuejun Cao, and Deyi Li</i>	

Information Extraction and Multilingual Management

Topical Discussions on Unstructured Microblogs: Analysis from a Geographical Perspective 160
 Seema Nagar, Kanika Narang, Sameep Mehta, L.V. Subramaniam, and Kuntal Dey

Discovering Correlated Entities from News Archives 174
 Lili Yang, Chunping Li, Qiang Ding, and Li Li

High Quality Microblog Extraction Based on Multiple Features Fusion and Time-Frequency Transformation 188
 Min Peng, Jiajia Huang, Hui Fu, Jiahui Zhu, Li Zhou, Yanxiang He, and Fei Li

Exploiting Structural Similarity for Automatic Information Extraction from Lists 202
 Dat T. Huynh, Jiajie Xu, Shazia Sadiq, and Xiaofang Zhou

A Minwise Hashing Method for Addressing Relationship Extraction from Text 216
 David S. Batista, Rui Silva, Bruno Martins, and Mário J. Silva

Generating a Conceptual Representation of a Legacy Web Application 231
 Roberto Rodríguez-Echeverría, Víctor M. Pavón, Fernando Macías, José María Conejero, Pedro J. Clemente, and Fernando Sánchez-Figueroa

Networks, Graphs and Web-Based Business Processes

AKMiner: Domain-Specific Knowledge Graph Mining from Academic Literatures 241
 Shanshan Huang and Xiaojun Wan

CDR Analysis Based Telco Churn Prediction and Customer Behavior Insights: A Case Study 256
 Natwar Modani, Kuntal Dey, Ritesh Gupta, and Shantanu Godbole

Novel Client-Cloud Architecture for Scalable Instance-Intensive Workflow Systems 270
 Dahai Cao, Xiao Liu, and Yun Yang

A Study on the Evolution of Cooperation in Networks 285
 Dayong Ye and Minjie Zhang

Supporting Adaptation Patterns in the Event-Driven Business Process Modeling Paradigm	299
<i>Malinda Kapuruge, Jun Han, and Alan Colman</i>	

An Improved Genetic Algorithm for Service Selection under Temporal Constraints in Cloud Computing	309
<i>Helan Liang, Yanhua Du, and Sujian Li</i>	

Event Processing, Web Monitoring and Management

GEAM: A General and Event-Related Aspects Model for Twitter Event Detection	319
<i>Yue You, Guangyan Huang, Jian Cao, Enhong Chen, Jing He, Yanchun Zhang, and Liang Hu</i>	

Bitemporal Complex Event Processing of Web Event Advertisements ...	333
<i>Tim Furche, Giovanni Grasso, Michael Huemer, Christian Schallhart, and Michael Schrefl</i>	

An Approach for Bursty and Self-similar Workload Generation	347
<i>Xingjian Lu, Jianwei Yin, Hanwei Chen, and Xinkui Zhao</i>	

Spatio-temporal Event Modeling and Ranking	361
<i>Xuefei Li, Hongyun Cai, Zi Huang, Yang Yang, and Xiaofang Zhou</i>	

Processing Ubiquitous Personal Event Streams to Provide User-Controlled Support	375
<i>Jeremy Debattista, Simon Scerri, Ismael Rivera, and Siegfried Handschuh</i>	

On Co-occurrence Pattern Discovery from Spatio-temporal Event Stream	385
<i>Jiangtao Huo, Jinzeng Zhang, and Xiaofeng Meng</i>	

Innovative Techniques and Creations

The Icecite Research Paper Management System	396
<i>Hannah Bast and Claudius Korzen</i>	

A Middleware for Managing Big-Data Flows	410
<i>Rajeev Gupta, Himanshu Gupta, Sanjeev Gupta, and Sriram Padmanabhan</i>	

WYSIWYM Authoring of Structured Content Based on Schema.org ...	425
<i>Ali Khalili and Sören Auer</i>	

Probabilistic n -of- N Skyline Computation over Uncertain Data Streams	439
<i>Wenjie Zhang, Aiping Li, Muhammad Aamir Cheema, Ying Zhang, and Lijun Chang</i>	
An Approach for Sponsored Search Auctions Based on the Coalitional Game Theory	458
<i>Wenlin Xu, Kun Yue, Jin Li, Liang Duan, Suiye Liu, and Weiyi Liu</i>	
Current Attitude Prediction Model Based on Game Theory	469
<i>Zhan Bu, Chengcui Zhang, Zhengyou Xia, and Jiandong Wang</i>	
Towards Automatic Client-Side Feature Reuse	479
<i>Josip Maras, Jan Carlson, and Ivica Crnković</i>	
Solving Complex Decision-Making Problems through Agent-Matrices Cooperation	489
<i>Hao Lan Zhang, Jiming Liu, Yong Tang, and Chaoyi Pang</i>	
Demo	
A Cloud System for Community Extraction from Super-Large Scale Social Networks	499
<i>Zhiang Wu, Haicheng Tao, Youquan Wang, Changjian Fang, and Jie Cao</i>	
An Educational Tool for an Interactive Faceted Exploration of DBpedia Life Sciences Data	503
<i>Stefan Negru and Sabin C. Buraga</i>	
DataEx: Interactive Relationship Explorer of Freebase Knowledge Repository	507
<i>Stefan Negru and Sabin C. Buraga</i>	
Disambiguating Authors in Academic Search Engines	511
<i>Long Zhang, Guohua Chen, Yong Tang, and Zurui Cai</i>	
A Toolkit for Simplified Web-Services Programming	515
<i>Moshe Chai Barukh and Boualem Benatallah</i>	
KPMCF: A Learning Model for Measuring Social Relationship Strength	519
<i>Youliang Zhong, Xiaoming Zheng, Jian Yang, Mehmet A. Orgun, and Yan Wang</i>	
PEACE-Ful Web Event Extraction and Processing	523
<i>Tim Furche, Giovanni Grasso, Michael Huemer, Christian Schallhart, and Michael Schrefl</i>	

KNOWLE: Searching News in the Search Pattern of Knowledge Flow . . .	527
<i>Xiao Wei, Xiangfeng Luo, Qing Li, and Jun Zhang</i>	
Document Analytics through Entity Resolution	531
<i>João Santos, Bruno Martins, and David S. Batista</i>	
Imagilar: A Real-Time Image Similarity Search System on Mobile Platform	535
<i>Bicheng Luo, Zi Huang, Hongyun Cai, and Yang Yang</i>	
Author Index	539