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Xuemin Chen · Arunabha Sen  
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# Computational Data and Social Networks

7th International Conference, CSoNet 2018  
Shanghai, China, December 18–20, 2018  
Proceedings

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# Preface

This book constitutes the refereed proceedings of the 7th International Conference on Computational Data and Social Networks Social Networks, CSoNet 2018, held in Shanghai, China, during December 18–20, 2018. This conference provides a premier interdisciplinary forum to bring together researchers and practitioners from all fields of complex networks, i.e., social networks, communication networks, and sensor networks, working on various fundamental and emerging issues such as network computing, modeling, social network analysis, and data mining for presentation of original research results, as well as the exchange and dissemination of innovative, practical development experiences.

The topics cover the fundamental background, theoretical technology development, and real-world applications associated with complex and data network analysis, minimizing influence of rumors on social networks, blockchain Markov modeling, fraud detection, data mining, Internet of Things (IoT), Internet of Vehicles (IoV), and others. Selected papers will be published in special issues of *Journal of Combinatorial Optimization*, *IEEE Transactions on Network Science and Engineering*, and *Computational Social Networks*.

The intended audience of this book mainly consists of researchers, research students, and practitioners in complex networks and data mining, focused more on social networks and wireless sensor networks. The book is also of interest to researchers and industrial practitioners in emerging areas such as artificial intelligence, big data, blockchain, cloud computing, fraud detection, intelligent transportation system, spam detection, and rumor blocker.

We would like to express our appreciation to all contributors and the conference committee members. A special appreciation goes to Shanghai Polytechnic University (SPU) for its support of this conference. Furthermore, without the unlimited efforts from the local chair, Dr. Chuang Ma, and his team members, publicity co-chairs, Drs. Xiang Li, Mugeng Peng, and Wenan Tan, financial chair, Dr. Thang Dinh, and website chair, David Smith, our conference would not have been so success in its seventh anniversary year. We would also like to recognize Dr. Jian Wang's contribution in editing the final proceedings document. In addition, we sincerely appreciate the consistent support and great effort in the publication process of these proceedings by Anna Kramer and Alfred Hofmann from Springer.

December 2018

Xuemin Chen  
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# Contents

Minimizing Influence of Rumors by Blockers on Social Networks . . . . .	1
<i>Ruidong Yan, Deying Li, Weili Wu, and Ding-Zhu Du</i>	
Budgeted Competitive Influence Maximization on Online Social Networks . . . . .	13
<i>Canh V. Pham, Hieu V. Duong, Bao Q. Bui, and My T. Thai</i>	
Blockchain Queue Theory . . . . .	25
<i>Quan-Lin Li, Jing-Yu Ma, and Yan-Xia Chang</i>	
Optimal Energy Efficiency Data Dissemination Strategy Based on Optimal Stopping Theory in Mobile Network . . . . .	41
<i>Gaocai Wang, Ying Peng, and Qifei Zhao</i>	
Cease with Bass: A Framework for Real-Time Topic Detection and Popularity Prediction Based on Long-Text Contents . . . . .	53
<i>Quanquan Chu, Zhenhao Cao, Xiaofeng Gao, Peng He, Qianni Deng, and Guihai Chen</i>	
Application of SIRUS in Credit Card Fraud Detection . . . . .	66
<i>Yuwei Zhang, Guanjun Liu, Wenjing Luan, Chungang Yan, and Changjun Jiang</i>	
Graph Convolutional Networks: Algorithms, Applications and Open Challenges. . . . .	79
<i>Si Zhang, Hanghang Tong, Jiejun Xu, and Ross Maciejewski</i>	
A Path Planning Approach with Maximum Traffic Flow and Minimum Breakdown Probability in Complex Road Network . . . . .	92
<i>Mengran Xu, Demin Li, Guanglin Zhang, Mengqi Cao, and Shuya Liao</i>	
Optimal Resource Allocation for Brokers in Media Cloud . . . . .	103
<i>Wenlong Ni and Wei Wayne Li</i>	
Towards a New Evolutionary Algorithm for the Minimum Tollbooth Problem . . . . .	116
<i>Pavel Krömer, Jana Nowaková, and Martin Hasal</i>	
Methods for Optimal Resource Allocation on Cooperative Task Scheduling in Cross-Organizational Business Process. . . . .	126
<i>Wenan Tan, Lu Zhao, Na Xie, Anqiong Tang, Xiaoming Hu, and Shan Tang</i>	



<b>A Vehicular Collision Avoidance Routing Algorithm based on V2V . . . . .</b>	<b>139</b>
<i>Aiping Zhang, Demin Li, Guanglin Zhang, Junjie Wang, and Mengqi Cao</i>	
<b>Embedded Software-Define Radio for Wearable Microwave Detection . . . . .</b>	<b>152</b>
<i>Yizhi Wu, Biao Luo, and Hairui Zhu</i>	
<b>Group Based Immunization Strategy on Networks with Nonlinear Infectivity . . . . .</b>	<b>162</b>
<i>Chandni Saxena, M. N. Doja, and Tanvir Ahmad</i>	
<b>Question Understanding in Community-Based Question Answering Systems . . . . .</b>	<b>174</b>
<i>Phuc H. Duong, Hien T. Nguyen, and Hao T. Do</i>	
<b>User Linkage Across Anonymizd Social Networks . . . . .</b>	<b>186</b>
<i>Chao Kong, Wan Tao, Sanmin Liu, and Qiang Zhang</i>	
<b>K-Shell Rank Analysis Using Local Information . . . . .</b>	<b>198</b>
<i>Akrati Saxena and S. R. S. Iyengar</i>	
<b>Leveraging Blockchain to Enhance Data Privacy in IoT-Based Applications . . . . .</b>	<b>211</b>
<i>Truc D. T. Nguyen, Hoang-Anh Pham, and My T. Thai</i>	
<b>A Formal Model for Temporal - Spatial Event in Internet of Vehicles . . . . .</b>	<b>222</b>
<i>Na Wang and Xuemin Chen</i>	
<b>A Decentralized Deterministic Information Propagation Model for Robust Communication. . . . .</b>	<b>235</b>
<i>Christopher Diaz, Alexander Nikolaev, and Eduardo Pasillao</i>	
<b>Gaming Bot Detection: A Systematic Literature Review. . . . .</b>	<b>247</b>
<i>Denis Kotkov, Gaurav Pandey, and Alexander Semenov</i>	
<b>Graph-Based Comparison of IoT and Android Malware . . . . .</b>	<b>259</b>
<i>Hisham Alasmary, Afsah Anwar, Jeman Park, Jinchun Choi, Daehun Nyang, and Aziz Mohaisen</i>	
<b>Revisiting of ‘Revisiting the Stop-and-Stare Algorithms for Influence Maximization’ . . . . .</b>	<b>273</b>
<i>Hung T. Nguyen, Thang N. Dinh, and My T. Thai</i>	
<b>An Issue in the Martingale Analysis of the Influence Maximization Algorithm IMM . . . . .</b>	<b>286</b>
<i>Wei Chen</i>	

A Stochastic Model for File Lifetime and Security in Data Center Networks . . . . . 298  
*Quan-Lin Li, Fan-Qi Ma, and Jing-Yu Ma*

The Design of Real Time Recording System for Electric Spark Source Parameters Based on the Internet of Things . . . . . 310  
*Mingzhang Luo, Hao Zhang, Qiang Liu, Yang Xu, Chong Luo, and Zhongyuan Wang*

App Tamper Detection and Retrospective Program Research . . . . . 318  
*Wenrong Jiang*

Deep Self-Taught Learning for Detecting Drug Abuse Risk Behavior in Tweets . . . . . 330  
*Han Hu, NhatHai Phan, James Geller, Huy Vo, Bhole Manasi, Xueqi Huang, Sophie Di Lorio, Thang Dinh, and Soon Ae Chun*

Refined Weighted Random Forest and Its Application to Credit Card Fraud Detection . . . . . 343  
*Shiyang Xuan, Guanjun Liu, and Zhenchuan Li*

A Congestion Control Protocol for Wireless Sensor Networks . . . . . 356  
*Chuang Ma*

Penalty Shutdown Mitigation in Wireless Sensor Networks Powered by Ambient Energy . . . . . 368  
*Trong-Nhan Le, Tran-Huu-Nguyen Nguyen, Tan-Phuong Vo, The-Duy Phan-Dinh, and Hoang-Anh Pham*

On Forwarding Protocols in Linear Topology Wake-up Wireless Sensor Networks . . . . . 380  
*Jian Wang, Xiaolin Xu, Xiaoming Hu, and Wei Wayne Li*

Effect of Topological Structure and Coupling Strength in Weighted Multiplex Networks . . . . . 392  
*Rajesh Kumar, Anurag Singh, and Hocine Cherifi*

A Single-Pair Antenna Microwave Medical Detection System Based on Unsupervised Feature Learning . . . . . 404  
*Yizhi Wu, Bingshuai Liu, and Mingda Zhu*

Forgetting Punished Recommendations for MOOC . . . . . 415  
*Yanxia Pang, Liping Li, Wenan Tan, Yuanyuan Jin, and Ying Zhang*

Internet Rurality: Developing an Index for Network Distance from Popular Internet Services . . . . . 427  
*Thomas H. Yang, Franklin Liu, Weiguo Yang, and Hang Liu*

Ranking Academic Advisors: Analyzing Scientific Advising Impact Using MathGenealogy Social Network . . . . . 437  
*Alexander Semenov, Alexander Veremyev, Alexander Nikolaev, Eduardo L. Pasiliao, and Vladimir Boginski*

A Rich Ranking Model Based on the Matthew Effect Optimization. . . . . 450  
*Jinzhong Li and Guanjun Liu*

A Load-Balanced and Low-Delay Data Collection for Wireless Sensor Networks . . . . . 460  
*Xiaoyan Kui, Junbin Liang, Huakun Du, Shaojun Zou, and Zhixiong Liu*

Research on Telecom Flow Operation Based on User Profile . . . . . 477  
*Feng Wang, Weidong Huang, and Yuan Xu*

Information Spreading in Social Network Through Explosive Percolation Theory . . . . . 487  
*Xiaoxia Zhu, Jiaxin Song, Jianfang Meng, and Jia Liu*

A Novel Method for Detecting APT Attacks by Using OODA Loop and Black Swan Theory. . . . . 498  
*Tero Bodström and Timo Hämäläinen*

MLSPD - Machine Learning Based Spam and Phishing Detection. . . . . 510  
*Sanjay Kumar, Azfar Faizan, Ari Viinikainen, and Timo Hamalainen*

Smart Crowdsourcing Based Content Review System (SCCRS): An Approach to Improve Trustworthiness of Online Contents. . . . . 523  
*Kishor Datta Gupta, Dipankar Dasgupta, and Sajib Sen*

**Short Papers**

Markov Decision Processes for Fake Accounts Detection . . . . . 539  
*Alexander Semenov, Gaurav Pandey, and Denis Kotkov*

The Network of Causal Relationships in the U.S. Stock Market . . . . . 541  
*Oleg Shirokikh, Grigory Pastukhov, Alexander Semenov, Sergiy Butenko, Alexander Veremyev, Eduardo Pasiliao, and Vladimir Boginski*

**Author Index** . . . . . 543