

Table of Contents

Terrorism Informatics and Crime Analysis

Spatio-temporal Similarity of Web User Session Trajectories and Applications in Dark Web Research	1
<i>Sajimon Abraham and P. Sojan Lal</i>	
Specific Similarity Measure for Terrorist Networks: How Much Similar Are Terrorist Networks of Turkey?	15
<i>Fatih Ozgul, Ahmet Celik, Claus Atzenbeck, and Zeki Erdem</i>	
Social Network Analysis Based on Authorship Identification for Cybercrime Investigation	27
<i>Jianbin Ma, Guifa Teng, Shuhui Chang, Xiaoru Zhang, and Ke Xiao</i>	

Intelligence Analysis and Knowledge Discovery

Topic-Oriented Information Detection and Scoring	36
<i>Saike He, Xiaolong Zheng, Changli Zhang, and Lei Wang</i>	
Agent-Based Modeling of Netizen Groups in Chinese Internet Events ...	43
<i>Zhangwen Tan, Xiaochen Li, and Wenji Mao</i>	
Estimating Collective Belief in Fixed Odds Betting	54
<i>Weiyun Chen, Xin Li, and Daniel Zeng</i>	

Information Access and Security

Two Protocols for Member Revocation in Secret Sharing Schemes	64
<i>Jia Yu, Fanyu Kong, Xiangguo Cheng, and Rong Hao</i>	
Dual-Verifiers DVS with Message Recovery for Tolerant Routing in Wireless Sensor Networks	71
<i>Mingwu Zhang, Tsuyoshi Takagi, and Bo Yang</i>	

Infectious Disease Informatics

A Geospatial Analysis on the Potential Value of News Comments in Infectious Disease Surveillance	85
<i>Kainan Cui, Zhidong Cao, Xiaolong Zheng, Daniel Zeng, Ke Zeng, and Min Zheng</i>	

Using Spatial Prediction Model to Analyze Driving Forces of the
Beijing 2008 HFMD Epidemic 94
*JiaoJiao Wang, Zhidong Cao, QuanYi Wang, XiaoLi Wang, and
Hongbin Song*

An Online Real-Time System to Detect Risk for Infectious Diseases
and Provide Early Alert 101
Liang Fang and Zhidong Cao

The Impact of Community Structure of Social Contact Network
on Epidemic Outbreak and Effectiveness of Non-pharmaceutical
Interventions 108
*Youzhong Wang, Daniel Zeng, Zhidong Cao, Yong Wang,
Hongbin Song, and Xiaolong Zheng*

Modeling and Simulation for the Spread of H1N1 Influenza in School
Using Artificial Societies 121
Wei Duan, Zhidong Cao, Yuanzheng Ge, and Xiaogang Qiu

Author Index 131