

Contents

A Lightweight RFID Authentication Protocol with Forward Security and Randomized Identifier	1
<i>Zhicai Shi, Fei Wu, Changzhi Wang, and Shitao Ren</i>	
A Security Proxy Scheme Based on Attribute Node Mapping for Cloud Storage	14
<i>Huakang Li, Zhenyu Wang, Yitao Yang, and Guozi Sun</i>	
Privacy Preserving Scheme for Location and Content Protection in Location-Based Services.	26
<i>Tao Peng, Qin Liu, Guojun Wang, and Yang Xiang</i>	
An Improved Asymmetric Searchable Encryption Scheme	39
<i>Qi Wu</i>	
Recommendation Systems in Real Applications: Algorithm and Parallel Architecture	45
<i>Mengxian Li, Wenjun Jiang, and Kenli Li</i>	
Big Data Security Analytic for Smart Grid with Fog Nodes	59
<i>Wenlin Han and Yang Xiao</i>	
A Reduction Method of Analyzing Data-Liveness and Data-Boundedness for a Class of E-commerce Business Process Nets.	70
<i>Wangyang Yu, Guanjun Liu, and Leifeng He</i>	
Computation of Secure Consistency for Real Systems	84
<i>Mimi Wang, Guanjun Liu, Changjun Jiang, and Chungang Yan</i>	
Study on Personalized Location Privacy Protection Algorithms for Continuous Queries in LBS	98
<i>Jiayi Gan, Hongyun Xu, Mengzhen Xu, Kai Tian, Yaohui Zheng, and Yong Zhang</i>	
A Novel Signature Generation Approach in Noisy Environments for Detecting Polymorphic Worm	109
<i>Jie Wang and Jie Wu</i>	
A User Authentication Scheme Based on Trusted Platform for Cloud Computing.	122
<i>Jiaqing Mo, Zhongwang Hu, and Yuhua Lin</i>	

ROP-Hunt: Detecting Return-Oriented Programming Attacks in Applications	131
<i>Lu Si, Jie Yu, Lei Luo, Jun Ma, Qingbo Wu, and Shasha Li</i>	
On the Security of a Threshold Anonymous Authentication Protocol for VANETs	145
<i>Jianhong Zhang, Zhibin Sun, Shuai Liu, and Pengyan Liu</i>	
The Encryption Scheme with Data Compression Based on QC-LDPC	156
<i>Yiliang Han</i>	
Location Privacy Preserving Scheme Based on Attribute Encryption	164
<i>Xi Lin, Yiliang Han, Yan Ke, and Xiaoyuan Yang</i>	
Attribute-Based Traceable Anonymous Proxy Signature Strategy for Mobile Healthcare.	178
<i>Dacheng Meng, Wenbo Wang, Entao Luo, and Guojun Wang</i>	
A Privacy Preserving Friend Discovery Strategy Using Proxy Re-encryption in Mobile Social Networks	190
<i>Entao Luo, Wenbo Wang, Dacheng Meng, and Guojun Wang</i>	
Defect Analysis and Risk Assessment of Mainstream File Access Control Policies	204
<i>Li Luo, Hongjun He, and Jiao Zhu</i>	
A Comprehensive Survey of Privacy-Preserving in Smart Grid	213
<i>Guanlin Si, Zhitao Guan, Jing Li, Peng Liu, and Hong Yao</i>	
Ghost Train for Anonymous Communication	224
<i>Przemysław Błażkiewicz, Mirosław Kutyłowski, Jakub Lemiesz, and Małgorzata Sulkowska</i>	
Efficient Detection Method for Data Integrity Attacks in Smart Grid	240
<i>Peixiu An and Zhitao Guan</i>	
Fully Secure Unbounded Revocable Key-Policy Attribute-Based Encryption Scheme	251
<i>Changji Wang, Jian Fang, and Jianguo Xie</i>	
A Privacy-Preserving Hybrid Cooperative Searching Scheme over Outsourced Cloud Data	265
<i>Qiang Zhang, Qin Liu, and Guojun Wang</i>	
Modeling and Propagation Analysis on Social Influence Using Social Big Data	279
<i>Sancheng Peng, Shengyi Jiang, and Pengfei Yin</i>	

FASRP: A Fully Anonymous Security Routing Protocol in MANETs	292
<i>Jun Pan, Lin Ma, and Kai Yu</i>	
Privacy Protection in Mobile Recommender Systems: A Survey	305
<i>Kun Xu and Zheng Yan</i>	
Security in Software-Defined-Networking: A Survey	319
<i>Zhen Yao and Zheng Yan</i>	
Building Root of Trust for Report with Virtual AIK and Virtual PCR Usage for Cloud	333
<i>Qiang Huang, Dehua Zhang, Le Chang, and Jinhua Zhao</i>	
On the Impact of Location Errors on Localization Attacks in Location- Based Social Network Services	343
<i>Hanni Cheng, Shiling Mao, Minhui Xue, and Xiaojun Hei</i>	
Service-Oriented Workflow Executability from a Security Perspective	358
<i>Sardar Hussain, Richard O. Sinnott, and Ron Poet</i>	
Distributed Multi-authority Attribute-Based Encryption for Secure Friend Discovery and Data Sharing in Mobile Social Networks	374
<i>Fang Qi, Wenbo Wang, and Zhe Tang</i>	
Modeling Attack Process of Advanced Persistent Threat	383
<i>Weina Niu, Xiaosong Zhan, Kenli Li, Guowu Yang, and Ruidong Chen</i>	
A New Image Encryption Scheme Using a Hyperchaotic System	392
<i>Chong Fu, Ming Tie, Jian-lin Wang, Shao-ting Chen, and Hui-yan Jiang</i>	
Architectural Patterns for Security-Oriented Workflows in Collaborative Environments	406
<i>Sardar Hussain, Richard O. Sinnott, and Ron Poet</i>	
Modeling and Vulnerable Points Analysis for E-commerce Transaction System with a Known Attack	422
<i>Mimi Wang, Guanjun Liu, Chungang Yan, and Changjun Jiang</i>	
Authentication and Transaction Verification Using QR Codes with a Mobile Device	437
<i>Yang-Wai Chow, Willy Susilo, Guomin Yang, Man Ho Au, and Cong Wang</i>	
Secure and Efficient Mobile Payment Using QR Code in an Environment with Dishonest Authority	452
<i>Xiaoling Zhu, Zhengfeng Hou, Donghui Hu, and Jing Zhang</i>	

User Preference-Based Spamming Detection with Coupled Behavioral Analysis.	466
<i>Frank Jiang, Mingdong Tang, and Quang Anh Tran</i>	
Analysis of SIFT Method Based on Swarm Intelligent Algorithms for Copy-Move Forgery Detection.	478
<i>Fei Zhao, Wenchang Shi, Bo Qin, and Bin Liang</i>	
Encryption Scheme Based on Hyperelliptic Curve Cryptography.	491
<i>Asha Liza John and Sabu M. Thampi</i>	
Author Index	507

Security, Privacy, and Anonymity in Computation,
Communication, and Storage
9th International Conference, SpaCCS 2016,
Zhangjiajie, China, November 16-18, 2016, Proceedings
Wang, G.; Indrakshi, R.; Alcaraz Calero, J.M.; Thampi,
S.M. (Eds.)
2016, XVI, 508 p. 149 illus., Softcover
ISBN: 978-3-319-49147-9