

Contents

Optimized Analysis Based on Improved Mutation and Crossover Operator for Differential Evolution Algorithm.	1
<i>Zhenlan Liu, Jian-bin Li, and Qiang Song</i>	
Revisiting Localization Attacks in Mobile App People-Nearby Services.	17
<i>Jialin Wang, Hanni Cheng, Minhui Xue, and Xiaojun Hei</i>	
Lengthening Unidimensional Continuous-Variable Quantum Key Distribution with Noiseless Linear Amplifier	31
<i>Yu Cao, Jianwu Liang, and Ying Guo</i>	
Research on Internet of Vehicles' Privacy Protection Based on Tamper-Proof with Ciphertext	42
<i>Qifan Wang, Guihua Duan, Entao Luo, and Guojun Wang</i>	
An Attack to an Anonymous Certificateless Group Key Agreement Scheme and Its Improvement	56
<i>Xuefei Cao, Lanjun Dang, Kai Fan, and Yulong Fu</i>	
A Space Efficient Algorithm for LCIS Problem	70
<i>Daxin Zhu and Xiaodong Wang</i>	
Improving the Efficiency of Dynamic Programming in Big Data Computing	78
<i>Xiaodong Wang and Daxin Zhu</i>	
Traceable and Complete Fine-Grained Revocable Multi-authority Attribute-Based Encryption Scheme in Social Network	87
<i>Yanmei Li, Fang Qi, and Zhe Tang</i>	
The All Seeing Eye: Web to App Intercommunication for Session Fingerprinting in Android.	93
<i>Efthimios Alepis and Constantinos Patsakis</i>	
An Efficient Hierarchical Identity-Based Encryption Scheme for the Key Escrow	108
<i>Yuanlong Li, Fang Qi, and Zhe Tang</i>	
An Improved Pre-copy Transmission Algorithm in Mobile Cloud Computing	121
<i>Xianfei Huang, Nao Wang, and Gaocai Wang</i>	

Motivation of DDOS Attack-Aware Link Assignment between Switches to SDN Controllers	131
<i>Sameer Ali, Saw Chin Tan, Lee Ching Kwang, Zulfadzli Yusoff, Reazul Haque, Ir. Rizaludin Kaspin, and Salvatore Renato Ziri</i>	
TIM: A Trust Insurance Mechanism for Network Function Virtualization Based on Trusted Computing	139
<i>Guangwu Xu, Yankun Tang, Zheng Yan, and Peng Zhang</i>	
Personalized Semantic Location Privacy Preservation Algorithm Based on Query Processing Cost Optimization	153
<i>Mengzhen Xu, Hongyun Xu, and Cheng Xu</i>	
Smartphone Bloatware: An Overlooked Privacy Problem	169
<i>Haroon Elahi, Guojun Wang, and Xu Li</i>	
An ECC-Based Off-line Anonymous Grouping-Proof Protocol	186
<i>Zhibin Zhou, Pin Liu, Qin Liu, and Guojun Wang</i>	
PCSD: A Tool for Android Malware Detection.	201
<i>Bo Leng, Jianbin Li, Yang Xu, Liang She, Wuqiang Gao, and Quanrun Zeng</i>	
Authorship Analysis of Social Media Contents Using Tone and Personality Features.	212
<i>Athira Usha and Sabu M. Thampi</i>	
Privacy-Preserving Handover Authentication Protocol from Lightweight Identity-Based Signature for Wireless Networks	229
<i>Changji Wang, Shengyi Jiang, and Yuan Yuan</i>	
Spatial Outlier Information Hiding Algorithm Based on Complex Transformation	241
<i>Zhaoyu Shou, Akang Liu, Simin Li, and Xiawei Cheng</i>	
A Reputation Model Considering Repurchase Behavior and Mechanism Design to Promote Repurchase	256
<i>Yuan Liu, Jin Bai, Guibing Guo, Xingwei Wang, and Zhenhua Tan</i>	
Chinese Named Entity Recognition Based on B-LSTM Neural Network with Additional Features	269
<i>Liubo Ouyang, Yuan Tian, Hui Tang, and Boyun Zhang</i>	
Amplified Locality-Sensitive Hashing for Privacy-Preserving Distributed Service Recommendation.	280
<i>Lianyong Qi, Wanchun Dou, Xuyun Zhang, and Shui Yu</i>	

Learn to Accelerate Identifying New Test Cases in Fuzzing	298
<i>Weiwei Gong, Gen Zhang, and Xu Zhou</i>	
Service Selection Based on User Privacy Risk Evaluation	308
<i>Mingdong Tang, Sumeng Zeng, Jianxun Liu, and Buqing Cao</i>	
An Efficient Lattice-Based Proxy Signature with Message Recovery	321
<i>Faguo Wu, Wang Yao, Xiao Zhang, and Zhiming Zheng</i>	
FABAC: A Flexible Fuzzy Attribute-Based Access Control Mechanism.	332
<i>Yang Xu, Wuqiang Gao, Quanrun Zeng, Guojun Wang, Ju Ren, and Yaoxue Zhang</i>	
Security Analysis and Improvement of An Anonymous Attribute-Based Proxy Re-encryption	344
<i>Hongjian Yin and Leyou Zhang</i>	
Relacha: Using Associative Meaning for Image Captcha Understandability	353
<i>Songjie Wei, Qianqian Wu, and Milin Ren</i>	
Identification of Natural Images and Computer Generated Graphics Based on Multiple LBPs in Multicolor Spaces	368
<i>Fei Peng, Xiao-hua Hu, and Min Long</i>	
A Formal Android Permission Model Based on the B Method	381
<i>Lu Ren, Rui Chang, Qing Yin, and Yujia Man</i>	
S-SurF: An Enhanced Secure Bulk Data Dissemination in Wireless Sensor Networks	395
<i>Jian Shen, Tiantian Miao, Qi Liu, Sai Ji, Chen Wang, and Dengzhi Liu</i>	
MCloud: Efficient Monitoring Framework for Cloud Computing Platforms.	409
<i>Jijun Zeng, Zhenyue Long, Guiquan Shen, Lihao Wei, and Yunkui Song</i>	
Secure Vibration Control of Flexible Arms Based on Operators' Behaviors. . .	420
<i>Jiantao Li, Hua Deng, and Wenjun Jiang</i>	
A New Color Image Encryption Scheme Based on Chaotic Hénon Map and Lü System	432
<i>Chong Fu, Gao-yuan Zhang, Bei-li Gao, Jing Sun, and Xue Wang</i>	
A Distributed Authentication Protocol Using Identity-Based Encryption and Blockchain for LEO Network.	446
<i>Shuai Li, Meilin Liu, and Songjie Wei</i>	

A Detection System for Distributed DoS Attacks Based on Automatic Extraction of Normal Mode and Its Performance Evaluation	461
<i>Yaokai Feng, Yoshiaki Hori, and Kouichi Sakurai</i>	
A Unified Model for Detecting Privacy Leakage on Android	474
<i>Xueqi Ren, Xinming Wang, Hua Tang, Zhaohui Ma, Jiechao Wu, and Gansen Zhao</i>	
Multi-party Security Computation with Differential Privacy over Outsourced Data	487
<i>Ping Li, Heng Ye, and Jin Li</i>	
REW-SMT: A New Approach for Rewriting XACML Request with Dynamic Big Data Security Policies	501
<i>Ha Xuan Son, Tran Khanh Dang, and Fabio Massacci</i>	
Decoupling Security Services from IaaS Cloud Through Remote Virtual Machine Introspection	516
<i>Huazhe Zhou, Haihe Ba, Jiangchun Ren, Yongjun Wang, Zhiying Wang, and Yunshi Li</i>	
Privacy Preserving Hierarchical Clustering over Multi-party Data Distribution.	530
<i>Mina Sheikhalishahi and Fabio Martinelli</i>	
Improving MQTT by Inclusion of Usage Control	545
<i>Antonio La Marra, Fabio Martinelli, Paolo Mori, Athanasios Rizos, and Andrea Saracino</i>	
Using JSON to Specify Privacy Preserving-Enabled Attribute-Based Access Control Policies	561
<i>Que Nguyet Tran Thi, Tran Khanh Dang, Huy Luong Van, and Ha Xuan Son</i>	
Comprehensive Diversity in Recommender Systems	571
<i>Tranos Zuva and Raoul Kwuimi</i>	
Towards Intelligent System Wide Information Management for Air Traffic Management	584
<i>Li Weigang, Alessandro F. Leite, Vitor F. Ribeiro, Jose A. Fregnani, and Italo R. de Oliveira</i>	
A Security Risk Management Model for Cloud Computing Systems: Infrastructure as a Service	594
<i>Mouna Jouini and Latifa Ben Arfa Rabai</i>	
Author Index	609

Security, Privacy, and Anonymity in Computation,
Communication, and Storage

10th International Conference, SpaCCS 2017,

Guangzhou, China, December 12-15, 2017,

Proceedings

Wang, G.; Atiquzzaman, M.; Yan, Z.; Choo, K.-K.R. (Eds.)

2017, XVIII, 610 p. 200 illus., Softcover

ISBN: 978-3-319-72388-4