

ICCCS 2017 Program

June 16, 2017 (Friday)				ICCCS2017		
14:00-21:00	Registration		Jinling New Town Hotel Nanjing			
			Yilai Hotel			
			Nanqi Hotel			
June 17, 2017 (Saturday)				ICCCS2017		
ROOM	Lecture Hall of Meteorological Building					
08:30-09:00	Opening Ceremony					
08:30-08:40	Opening Remarks Prof. Weican Zhou, Vice President of Nanjing University of Information Science & Technology					
08:40-09:00	Welcome Speech Prof. Lianshui Li, Chancellor of Nanjing University of Information Science & Technology					
09:00-9:20	Group Photograph					
09:20-10:10	Distinguished Talk 1: Green Networking and Computing: New Perspectives and Challenges within Energy-oriented Infrastructures and devices <i>Dr. Aniello Castiglione, University of Salerno, Italy</i> Session Chair: Prof. Han-Chieh Chao, National Dong Hwa University, Taiwan					
10:10-11:00	Distinguished Talk 2: Content-based Search over Encrypted Text Data in Cloud <i>Dr. Zhangjie Fu, Nanjing University of Information Science & Technology, China</i> Session Chair: Dr. Xingang You, Chinese Institute of Electronics, China					
11:00-11:15	Coffee Break/Poster Session I					
11:15-12:05	Distinguished Talk 3: Error Correcting Codes in Data Hiding and Secret Image Sharing <i>Dr. Ching-Nung Yang, National Dong Hwa University, Taiwan</i> Session Chair: Prof. Zhiqiu Huang, Nanjing University of Aeronautics and Astronautics, China					
12:05-13:30	Buffet Lunch (1960 Restaurant)					
ROOM	Meteorological Building				Reading Building	
	413	423	814	825	C101	N314
13:30-14:50	Session 1: Information Hiding I	Session 4: Cloud Computing I	Session 7: IoT Applications I	Session 10: IoT Applications IV	Session13: Information Security & Cloud Security I	Session 16: Multimedia Applications I
14:50-15:00	Coffee Break/Poster Session II					
15:00-16:20	Session 2: Information Hiding II	Session 5: Cloud Computing II	Session 8: IoT Applications II	Session 11: IoT Applications V	Session14: Information Security & Cloud Security II	Session 17: Multimedia Applications II



16:20-16:30	Coffee Break/Poster Session III					
16:30-17:50	Session 3: Information Hiding III	Session 6: Cloud Computing III	Session 9: IoT Applications III	Session 12: IoT Applications VI	Session15: Information Security & Cloud Security III	Session 18: Multimedia Applications III
18:30-21:00	Banquet (Jinling New Town Hotel Nanjing)					



June 18, 2017 (Sunday)				ICCCS2017		
ROOM	Lecture Hall of Meteorological Building					
08:30-09:20	<p>Distinguished Talk 4: Cloud-of-Things and Edge Computing: Recent Advances and Future Trends</p> <p><i>Dr. Mohammad Mehedi Hassan, King Saud University (KSU), Kingdom of Saudi Arabia</i></p> <p>Session Chair: Prof. Victor. S. Sheng, University of Central Arkansas, USA</p>					
09:20-10:10	<p>Distinguished Talk 5: SDN-enabled Cloud Data Center</p> <p><i>Prof. Ren-Hung Hwang, National Chung Cheng University, Taiwan</i></p> <p>Session Chair: Prof. Yang Xiao, the University of Alabama, USA</p>					
10:10-10:25	Coffee Break/Poster Session IV					
10:25-11:15	<p>Distinguished Talk 6: Exploring the Geospatial Data: When Visualization Meets Query Processing</p> <p><i>Dr. Zhifeng Bao, RMIT University, Australia</i></p> <p>Session Chair: Dr. Yunbiao Guo, Chinese Institute of General Technology, China</p>					
12:00-13:30	Buffet Lunch (1960 Restaurant)					
ROOM	Meteorological Building				Reading Building	
	413	423	814	825	C101	N314
13:30-14:50	<p>Session 19: Information Hiding IV</p>	<p>Session 21: Information Hiding VI</p>	<p>Session 23: IoT Applications VII</p>	<p>Session 25: Information Security & Cloud Security IV</p>	<p>Session 27: Cloud Computing IV</p>	<p>Session 29: Optimization and Classification II</p>
14:50-15:00	Coffee Break/Poster Session V					
15:00-16:40	<p>Session 20: Information Hiding V</p>	<p>Session 22: Optimization and Classification I</p>	<p>Session 24: IoT Applications VIII</p>	<p>Session 26: Information Security & Cloud Security V</p>	<p>Session 28: Multimedia Applications IV</p>	<p>Session 30: Optimization and Classification III</p>
16:40-16:50	Coffee Break					
16:50	Have a great trip home! See you in ICCCS 2018!					



ICCCS 2017 Oral Sessions

Session 1: Information Hiding I 13:30-14:50 June 17, 2017 Room 413, Meteorological Building Session Chair: Yun Q. Shi , New Jersey Institute of Technology, USA	
13:30-13:50	A Novel Color Image Watermarking Scheme Based on Schur Decomposition <i>Qingtang Su, Lin Su, Gang Wang , Leida Li, Jianting Ning</i>
13:50-14:10	Print-Scan Resilient Binary Map Watermarking Based on Extended Additive Noise Model and Scrambling <i>Fei Peng, Shuai-Ping Wang, Gang Luo and Min Long</i>
14:10-14:30	A New Method of Text Information Hiding Based on Open Channel <i>Yongjun Ren, Wenyue Ma and Xiaohua Wang</i>
14:30-14:50	An Image Steganography Method Resistant to Scaling Attack and Statistical Detection Simultaneously <i>Yue Zhang, Xiangyang Luo, Jinwei Wang, Chunfang Yang and Fenlin Liu</i>
Session 2: Information Hiding II 15:00-16:20 June 17, 2017 Room 413, Meteorological Building Session Chair: Shuangkui Xia, Chinese Institute of General Technology, China	
15:00-15:20	A Novel Coverless Text Information Hiding Method Based on Double-labels and Twice-send <i>Chen Xianyi, Zhou Xiang, Zhang Fasheng and Zheng Ningning</i>
15:20-15:40	A new universal quantum gates and its simulation on GPGPU <i>Huimin Luo, Jiabin Yuan and Wenjing Dai</i>
15:40-16:00	Data Hiding-based Video Error Concealment Method Using Compressed Sensing <i>Yanli Chen, Hongxia Wang and Hanzhou Wu</i>
16:00-16:20	Multi-keywords Carrier-free Text Steganography Method Based on Chinese Pinyin <i>Yuling Liu, Jiao Wu</i>
Session 3: Information Hiding III 16:30-17:50 June 17, 2017 Room 413, Meteorological Building Session Chair: Zhonghui Wen, National Research Center of Information Security Engineering Technology, China	
16:30-16:50	Text Coverless Information Hiding Based on Composition and Selection of Words <i>Xianyi Chen and Sheng Chen</i>
16:50-17:10	Label model based coverless information hiding method <i>Zhangjie Fu and Hongyong Ji</i>
17:10-17:30	A Distribution Outsourcing Scheme Based on Partial Image Encryption <i>Zhihua Xia, Xuan Li and Xingming Sun</i>



17:30-17:50	Reversible Data Hiding Scheme in Encrypted Image with Public Key Cryptography based on Code Division Multiplexing <i>Xianyi Chen, Haidong Zhong and Anqi Qiu</i>
Session 4: Cloud Computing I 13:30-14:50 June 17, 2017 Room 423, Meteorological Building Session Chair: Kuan-Ching Li, Providence University, Taiwan	
13:30-13:50	SIEM based on Big Data Analysis <i>Tianmu Li and Leiming Yan</i>
13:50-14:10	The Handoff Mechanism Based on cloud computing and Mobile Location Prediction <i>Yu-Xiang Wang, Xing-Wang Ju and Zhi-Ran Sun</i>
14:10-14:30	Workload-Aware VM Consolidation in Cloud Based on Max-Min Ant System <i>Hongjie Zhang, Guansheng Shu, Shasha Liao, Xi Fu and Jing Li</i>
14:30-14:50	Parallel Service Selection Method Based on Adaptive Cloud Model for Mobile Application <i>Longchang Zhang and Yanhong Yang</i>
Session 5: Cloud Computing II 15:00-16:20 June 17, 2017 Room 423, Meteorological Building Session Chair: Naixue Xiong, Northeastern State University, USA	
15:00-15:20	A hybrid artificial bee colony algorithm to solve multi-objective hybrid flowshop in Cloud computing systems <i>Junqing Li</i>
15:20-15:40	A Content-based Image Retrieval Scheme using encrypted difference histogram in Cloud Computing <i>Dandan Liu, Jian Shen, Zhihua Xia and Xingming Sun</i>
15:40-16:00	A Group-Based Replica Consistency Schema for Cloud Storage <i>Wenbin Yao, Guoping Du, Dongbin Wang and Xiaole Wen</i>
16:00-16:20	A Multi-Objective Optimization Scheduling Method Based on the Improved Differential Evolution Algorithm in Cloud Computing <i>Zhe Zheng, Kun Xie, Shiming He and Jun Deng</i>
Session 6: Cloud Computing III 16:30-17:50 June 17, 2017 Room 423, Meteorological Building Session Chair: Patrick C. K. Hung, University of Ontario Institute of Technology, Canada	
16:30-16:50	A Network Calculus Analysis for the Baseband Processing Capacity in Cloud Radio Access Network <i>Muzhou Xiong, Haixin Liu and Deze Zeng</i>



16:50-17:10	Live migration among cloud based on MOOSE address <i>Mao Yubing and Xia Zhengyou</i>
17:10-17:30	Outlier Detection of Power Data with an Improved Method in Cloud Computing <i>Qi Liu, Zhen Wang, Xiaodong Liu and Nigel Linge</i>
17:30-17:50	Achieving Proof of Shared Ownership for the Shared File in Collaborative Cloud Applications <i>Yuanyuan Zhang, Jinbo Xiong, Mingwei Lin, Lili Wang and Xuan Li</i>
Session 7: IoT Applications I 13:30-14:50 June 17, 2017 Room 814, Meteorological Building Session Chair: Licheng Zhao, National Meteorological Information Center, China	
13:30-13:50	Design and Deployment of Wireless Sensor Network for Flood Detection in Indonesia <i>Irfan Dwiguna, Rongtao Hou and Sri Supatmi</i>
13:50-14:10	Sparse reconstruction of piezoelectric signal for health monitoring of plate structure <i>Yajie Sun, Feihong Gu and Sai Ji</i>
14:10-14:30	An Android App Recommendation Approach by Merging Network Traffic Cost <i>Xin Su, Xuchong Liu, Jiuchuan Lin and Yu Tong</i>
14:30-14:50	A Secure Reversible Chaining Watermark Scheme with Hidden Group Delimiter for WSNs <i>Baowei Wang, Qun Ding and Xingming Sun</i>
Session 8: IoT Applications II 15:00-16:20 June 17, 2017 Room 814, Meteorological Building Session Chair: Chin-Feng Lai, National Cheng Kung University, Taiwan	
15:00-15:20	ETC Intelligent Navigation Path Planning Method <i>Jieren Cheng, Boyi Liu and Kuanqi Cai</i>
15:20-15:40	Dynamically-enabled Defense Effectiveness Evaluation in Home Internet Based on Vulnerability Analysis <i>Min Lei, Shiqi Deng and Jingjie Chen</i>
15:40-16:00	A Virtual Uneven Grid-Based Routing Protocol for Mobile Sink-Based WSNs <i>Qi Liu, Weixin Bu, Kai Zhang, Xiaodong Liu and Nigel Linge</i>
16:00-16:20	Low-energy Security-enhanced Routing Protocol Based on DBSCAN Partition <i>Yating Hou, Feng Xu and Ruilin Ding</i>
Session 9: IoT Applications III 16:30-17:50 June 17, 2017 Room 814, Meteorological Building Session Chair: Bing Mao, Nanjing University, China	
16:30-16:50	Power consuming activity recognition in home environment <i>Qi Liu, Shengjun Li, Xiaodong Liu and Nigel Linge</i>



16:50-17:10	A Pre-partition Based Uneven Clustering Multi-hop Routing Protocol <i>Yating Hou, Feng Xu and Mingming Su</i>
17:10-17:30	Classifying New York City Taxi and Uber Trips Using Big Data and Mobile Sensing <i>Huiyu Sun, Siyuan Hu and Suzanne McIntosh</i>
17:30-17:50	A Credibility Evaluation Method in Opportunistic Networks <i>Jinxia Dou, Wenbin Yao and Dongbin Wang</i>
Session 10: IoT Applications IV 13:30-14:50 June 17, 2017 Room 825, Meteorological Building Session Chair: Quansheng Liu, University of South Brittany, France	
13:30-13:50	Unsupervised Energy Disaggregation of Home Appliances <i>Kondwani Michael Kamoto and Qi Liu</i>
13:50-14:10	K-Barrier Coverage in Wireless Sensor Networks Based on Immune Particle Swarm Optimization <i>Yanhua Zhang, Xingming Sun and Zhanke Yu</i>
14:10-14:30	Masking Signature Data Errors of Software-Based Control Flow Checking Techniques Employing Redundancy Signature <i>Liping Liu, Linlin Ci and Wei Liu</i>
14:30-14:50	Lightweight and Practical Node Clustering Authentication Protocol for Hierarchical Wireless Sensor Networks <i>Dengzhi Liu, Jian Shen, Anxi Wang, and Chen Wang</i>
Session 11: IoT Applications V 15:00-16:20 June 17, 2017 Room 825, Meteorological Building Session Chair: Chih-Hsien Hsia, Chinese Culture University, Taiwan	
15:00-15:20	Intelligent Infusion Auxiliary Service System based on ZigBee Wireless Network <i>Qian Chengshan and Shen Xinfeng</i>
15:20-15:40	The Analysis of Key Nodes in Complex Social Networks <i>Yibo Pan and Wen'An Tan</i>
15:40-16:00	Active Learning of Lexicalized Dependency Path for Relation Extraction <i>Huiyu Sun and Ralph Grishman</i>
16:00-16:20	Robust Face Recognition Model with Adaptive Correction Term via Generalized Alternating Direction Method of Multipliers <i>Can Wu, Yunhai Xiao and Wenjie Liu</i>
Session 12: IoT Applications VI 16:30-17:50 June 17, 2017 Room 825, Meteorological Building Session Chair: Xiaojun Wang, Dublin City University, Ireland	



16:30-16:50	Knowledge Structure and Its Impact on Knowledge Transfer in Big Data Environment <i>Chuanrong Wu, Evgeniya Zapevalova, Feng Li and Deming Zeng</i>
16:50-17:10	Planar-based Visual Positioning for a Mobile Robot With Monocular Vision <i>Yang Guo, Hui Chen, Ling Huang, Zheng Xiao and Jiayi Du</i>
17:10-17:30	Energy Efficient MAC Protocol for Wireless Sensor Networks: A Survey <i>Zichun Wang, Meng Feng, Tiantian Miao and Wei Jiang</i>
17:30-17:50	A Novel Sensor Data Acquisition Approach Based on Unmanned Aerial Vehicle <i>Chuanlong Li, Zhangjie Fu, Chengsheng Yuan and Xingming Sun</i>
Session 13: Information Security & Cloud Security I 13:30-14:50 June 17, 2017 Room C101, Reading Building Session Chair: Xiaofeng Chen, Xidian University, China	
13:30-13:50	Practical Privacy-Preserving Outsourcing of Large-Scale Matrix Determinant Computation in the Cloud <i>Shaojing Fu, Yunpeng Yu and Ming Xu</i>
13:50-14:10	Probability-p Order-Preserving Encryption <i>Ce Yang, Weiming Zhang and Nenghai Yu</i>
14:10-14:30	DLPDS: Learning Users' Information Sharing Behaviors for Privacy Default Setting in Recommender System <i>Hongchen Wu and Huaxiang Zhang</i>
14:30-14:50	New Construction of Low-hit-zone Frequency Hopping Sequence Sets with Optimal Partial Hamming Correlation <i>Zhengqian Li, Pinhui Ke and Zhifan Ye</i>
Session 14: Information Security & Cloud Security II 15:00-16:20 June 17, 2017 Room C101, Reading Building Session Chair: Xinyi Huang, Fujian Normal University, China	
15:00-15:20	Quantified Attribute Access Control Model for Cloud Storage Platform <i>Dongmin Li, Jing Li and Chao Wang</i>
15:20-15:40	Detecting and Preventing DDoS Attacks in SDN-based Data Center Networks <i>Po-Ching Lin, Yu-Ting Hsu and Ren-Hung Hwang</i>
15:40-16:00	Bayesian Game Based Pseudo Honeytrap Model in Social Networks <i>Miao Du, Yongzhong Li, Qing Lu and Kun Wang</i>
16:00-16:20	Ciphertext-policy Attribute Based Encryption with Hidden Access Structure and Accountability <i>Jiguo Li, Yichen Zhang, Haiping Wang</i>



<p align="center">Session 15: Information Security & Cloud Security III 16:30-17:50 June 17, 2017 Room C101, Reading Building Session Chair: Qiong Huang, South China Agricultural University, China</p>	
16:30-16:50	<p>Conducting Correlated Laplace Mechanism for Differential Privacy <i>Hao Wang, Zhengquan Xu and Tao Wang</i></p>
16:50-17:10	<p>A Symmetric Authenticated Proxy Re-Encryption Scheme with Provable Security <i>Zhiniang Peng, Shaohua Tang and Linzhi Jiang</i></p>
17:10-17:30	<p>Quantum secret sharing in noisy environment <i>Ming-Ming Wang and Mohamed Elhoseny</i></p>
17:30-17:50	<p>SimHash-based Similar Neighbor Finding for Scalable and Privacy-preserving Service Recommendation <i>Yanwei Xu and Lianyong Qi</i></p>
<p align="center">Session 16: Multimedia Applications I 13:30-14:50 June 17, 2017 Room N314, Reading Building Session Chair: Linna Zhou, University of International Relations, China</p>	
13:30-13:50	<p>Frame-deletion Detection for Static-background Video Based on Multi - scale Mutual Information <i>Zhaohong Li, Xiaoyun Liang, Yanjia Zhao and Tianming Pang</i></p>
13:50-14:10	<p>Learning Based Fast H.264/AVC to HEVC INTRA Video Transcoding for Cloud Media Computing <i>Yun Zhang, Na Li and Zongju Peng</i></p>
14:10-14:30	<p>A Perceptual Encryption Scheme for HEVC Video with Lossless Compression <i>Juan Chen, Fei Peng and Min Long</i></p>
14:30-14:50	<p>Spatial-Temporal Correlation Based Multi-Resolution Hybrid Motion Estimation for Frame Rate Up-Conversion <i>Bingyu Ji, Ran Li and Changan Wu</i></p>
<p align="center">Session 17: Multimedia Applications II 15:00-16:20 June 17, 2017 Room N314, Reading Building Session Chair: Jianping Yin, National University of Defense Technology, China</p>	
15:00-15:20	<p>Evolutionary Spatiotemporal Community Discovery in Dynamic weighted networks <i>Leiming Yan and Huajie Zhang</i></p>
15:20-15:40	<p>A robust seam carving forgery detection approach by three-element joint density of difference matrix <i>Wenwu Gu, Gaobo Yang, Dengyong Zhang, and Xia Ming</i></p>



15:40-16:00	Partial-duplicate Image Retrieval using Spatial and Visual Contextual Clues <i>Zhili Zhou and Wendi Sun</i>
16:00-16:20	Chinese remainder theorem-based secret image sharing for (k, n) threshold <i>Xuehu Yan, Yuliang Lu, Lintao Liu, Song Wan, Wanmeng Ding and Hanlin Liu</i>
Session 18: Multimedia Applications III 16:30-17:50 June 17, 2017 Room N314, Reading Building Session Chair: Jian Wang, Nanjing University of Aeronautics and Astronautics, China	
16:30-16:50	Collaborative Filtering-based Recommendation System for Big Data <i>Tianqi Zhou, Jian Shen, and Lina Chen</i>
16:50-17:10	Kernel Searching Strategy for Recommender Searching Mechanism <i>Li Zhou, Weiwei Yuan and Qiang Li</i>
17:10-17:30	Fingerprint Liveness Detection Using Histogram of Oriented Gradient Based Texture Feature <i>Chengsheng Yuan and Xingming Sun</i>
17:30-17:50	Difference Co-occurrence Matrix Using BP Neural Network for Fingerprint Liveness Detection <i>Chengsheng Yuan, Zhihua Xia and Xingming Sun</i>
Session 19: Information Hiding IV 13:30-14:50 June 18, 2017 Room 413, Meteorological Building Session Chair: Zhaoxia Yin, Anhui University, China	
13:30-13:50	A Novel Robust Reversible Watermarking Scheme Based on IWT <i>Yu Shuang, Jian Li and Jinwei Wang</i>
13:50-14:10	Multi-word coverless steganography based on BOW model and approximate replacement <i>Yi Cao, Zhili Zhou and Ching-Nung Yang</i>
14:10-14:30	A novel linguistic steganography framework based on compression and selection <i>Lingyun Xiang, Xu Li, Chunfang Yang and Wenshuai Wu</i>
14:30-14:50	Coverless Information Hiding based on Partial-duplicate Image Retrieval <i>Zhili Zhou, Ningsheng Zhao and Q. M. Jonathan Wu</i>
Session 20: Information Hiding V 15:00-16:40 June 18, 2017 Room 413, Meteorological Building Session Chair: Gaobo Yang, Hunan University, China	
15:00-15:20	An improved lossless data hiding scheme in JPEG bitstream by VLC mapping <i>Yang Du, Zhaoxia Yin and Xinpeng Zhang</i>
15:20-15:40	An improved reversible information hiding scheme based on AMBTC compressed images <i>Yi Puyang, Zhaoxia Yin, Guorui Feng and Andrew K Abel</i>



15:40-16:00	High-capacity and lossless reversible data hiding for encrypted multimedia data in cloud computing <i>Lizhi Xiong and Zhengquan Xu</i>
16:00-16:20	An Efficient Copy-Move Detection Algorithm Based on Superpixel Segmentation and Harris Key-points <i>Yong Liu, Hong-Xia Wang and Han-Zhou Wu</i>
16:20-16:40	Improved CMD Adaptive Image Steganography Method <i>Yingbo Yu and Xin Liao</i>
Session 21: Information Hiding VI 13:30-14:50 June 18, 2017 Room 423, Meteorological Building Session Chair: Jiangqun Ni, Sun Yat-Sen University, China	
13:30-13:50	Coverless Steganography Based on English Texts Using Binary Tags Protocol <i>Yulei Wu, Xianyi Chen and Xingming Sun</i>
13:50-14:10	Coverless Image Steganography Based on Image Retrieval Using Robust Hashing Algorithm and Vocabulary Tree <i>Zhili Zhou, Yan Mu and Q. M. Jonathan Wu</i>
14:10-14:30	Quantum computer simulation on GPU cluster incorporating data locality <i>Zhen Li and Jiabin Yuan</i>
14:30-14:50	Tampering Detection in Oral History Video Using Watermarking <i>Jianfeng Lu, Peng Gao, Shanqing Zhang, Li Li, Wenqiang Yuan and Qili Zhou</i>
Session 22: Optimization and Classification I 15:00-16:40 June 18, 2017 Room 423, Meteorological Building Session Chair: Rui Guo, Xi'an University of Posts & Telecommunications, China	
15:00-15:20	Cost Optimization for Time-bounded Request Scheduling in Geo-distributed Datacenters <i>Xiaohui Wei, Lanxin Li, Xingwang Wang and Yuanyuan Liu</i>
15:20-15:40	The Application of Naive Bayes Classifier In Name Disambiguation <i>Na Li and Jin Han</i>
15:40-16:00	Mobility Prediction-based Service Scheduling Optimization Algorithm in Cloudlets <i>Lei Shi, Xi Fu and Jing Li</i>
16:00-16:20	Wind Weather Prediction Based on Multi-output Support Vector Regression Optimized by Bat Algorithm <i>Dingcheng Wang, Yiyi Lu and Youzhi Zhao</i>
16:20-16:40	Single Appliance Recognition using Statistical Features Based k-NN Classification <i>Qi Liu and Hao Wu</i>



<p align="center">Session 23: IoT Applications VII</p> <p align="center">13:30-14:50 June 18, 2017 Room 814, Meteorological Building</p> <p align="center">Session Chair: Jiguo Li, Hohai University, China</p>	
13:30-13:50	<p align="center">STCS: A Practical Solar Radiation based Temperature Correction Scheme in Meteorological WSN</p> <p align="center"><i>Baowei Wang, Xiaodu Gu and Ma Li</i></p>
13:50-14:10	<p align="center">A Particle Swarm Optimization and Mutation Operator Based Node Deployment Strategy for WSNs</p> <p align="center"><i>Jin Wang, Chunwei Ju, Huan Ji, Bin Li and Jing Sun</i></p>
14:10-14:30	<p align="center">A Distributed Sparse Signal Reconstruction Algorithm in Wireless Sensor Network</p> <p align="center"><i>Zhi Zhao, Pin Peng and Weiyu Yu</i></p>
14:30-14:50	<p align="center">WiSmart : Robust Human Access and Identification for Smart Homes Using WiFi Signals</p> <p align="center"><i>Shangqing Liu, Yanchao Zhao and Bing Chen</i></p>
<p align="center">Session 24: IoT Applications VIII</p> <p align="center">15:00-16:20 June 18, 2017 Room 814, Meteorological Building</p> <p align="center">Session Chair: Fushan Wei, The PLA Information Engineering University, China</p>	
15:00-15:20	<p align="center">An Energy-Efficiency Routing Scheme Based on Clusters with a Mobile Sink for WSNs</p> <p align="center"><i>Qi Liu, Xuedong Chen, Xiaodong Liu and Nigel Linge</i></p>
15:20-15:40	<p align="center">Energy-Efficient Power Control and Resource Allocation for D2D Communications in Underlying Cellular Networks</p> <p align="center"><i>Xiaoxiao Guan, Xiangping Zhai, Jiabin Yuan and Hu Liu</i></p>
15:40-16:00	<p align="center">Improving Relation Extraction with Active Learning of Lexicalized Dependency Path</p> <p align="center"><i>Huiyu Sun and Ralph Grishman</i></p>
16:00-16:20	<p align="center">The Virtual Machine Placement based on Metaheuristic for IoT Cloud</p> <p align="center"><i>Shih-Yun Huang, Chen-Chi Liao, Yao-Chung Chang and Han-Chieh Chao</i></p>
<p align="center">Session 25: Information Security & Cloud Security IV</p> <p align="center">13:30-14:50 June 18, 2017 Room 825, Meteorological Building</p> <p align="center">Session Chair: Jin Li, Guangzhou University, China</p>	
13:30-13:50	<p align="center">Trustworthiness Evaluation-based Region Division Scheme for Incompletely Predictable Ad hoc Networks</p> <p align="center"><i>Jian Shen, Chen Wang and Anxi Wang</i></p>
13:50-14:10	<p align="center">Secure search service based on word2vec in the public cloud</p> <p align="center"><i>Yangen Liu and Zhangjie Fu</i></p>
14:10-14:30	<p align="center">Universally Composable Three-Party Password Authenticated Key Exchange</p> <p align="center"><i>Qihui Zhang, Xuexian Hu and Jianghong Wei</i></p>



14:30-14:50	<p>A high-capacity quantum secret sharing protocol based on single d-level particles <i>Xiang Lin, Juan Xu, Hu Liu, Xuwei Tang and Maomao Fu</i></p>
<p align="center">Session 26: Information Security & Cloud Security V 15:00-16:40 June 18, 2017 Room 825, Meteorological Building Session Chair: Debiao He, Wuhan University, China</p>	
15:00-15:20	<p>Encrypted genetic algorithm outsourcing in cloud computing <i>Leqi Jiang, Xingming Sun and Zhihua Xia</i></p>
15:20-15:40	<p>An Inconsistencies Detection Method for Security Policy and Firewall Policy Based on CSP Solver <i>Yi Yin, Yun Wang, Yuichiro Tateiwa, Yoshiaki Katayama and Naohisa Takahashi</i></p>
15:40-16:00	<p>Novel Schemes for Bike-share Service Authentication using Aesthetic QR Code and Color Visual Cryptography <i>Li Li, Lina Li, Shanqing Zhang, Zaorang Yang, Jianfeng Lu and Chin-Chen Chang</i></p>
16:00-16:20	<p>Reversible Data Hiding in Encrypted Image Based on Block Classification Scrambling <i>Fan Chen, Hongjie He</i></p>
16:20-16:40	<p>A Mutation Approach of Detecting SQL Injection Vulnerabilities <i>Yanyu Huang, Zheli Liu, Xuan Chen, Jin Li, Chuan Fu, Hao Guo and Xiaoyu He</i></p>
<p align="center">Session 27: Cloud Computing IV 13:30-14:50 June 18, 2017 Room C101, Reading Building Session Chair: Wenbo Shi, Northeastern University at Qinhuangdao, China</p>	
13:30-13:50	<p>Design and Test of The Intelligent Rubber Tapping Technology Evaluation Equipment Based on Cloud Model <i>Jieren Cheng, Kuanqi Cai and Boyi Liu</i></p>
13:50-14:10	<p>An Affective Computing and Fuzzy Logic Framework to Recognize Affect for Cloud-based E-Learning Environment Using Emoticons <i>Kyle Morton, Yanzhen Qu and Marilyn Carroll</i></p>
14:10-14:30	<p>Cloud Management Systems and Virtual Desktop Infrastructure Load Balancing Algorithms - A Survey <i>Micheal Ernest Taylor</i></p>
14:30-14:50	<p>Cloud Auto Scaling and Predictive Scaling: Assessing the impact on resource availability in the era of Autonomous Vehicles <i>Williams Dannah</i></p>
<p align="center">Session 28: Multimedia Applications IV 15:00-16:40 June 18, 2017 Room C101, Reading Building Session Chair: Xuexian Hu, The PLA Information Engineering University, China</p>	



15:00-15:20	<p>Fast American Sign Language Image Recognition using CNNs with fine-tuning <i>Qi Cui, Zhili Zhou, Xingming Sun, Chengsheng Yuan and Q. M. Jonathan Wu</i></p>
15:20-15:40	<p>Traffic Flow Combination Forecasting Method Based on Improved LSTM and ARIMA <i>Boyi Liu, Jieren Cheng and Kuanqi Cai</i></p>
15:40-16:00	<p>Graffiti-Writing Recognition with Fine-grained Information <i>Jiashuang Xu and Zhangjie Fu</i></p>
16:00-16:20	<p>A robust quantum watermark algorithm based on quantum log-polar images <i>Zhiguo Qu, Zhenwen Cheng and Ming-Ming Wang</i></p>
16:20-16:40	<p>Privacy Preserving Profile Matching: Preventing De-anonymizing Social Networks <i>Kai Dong, Taolin Guo, Zhen Ling, Ming Yang, and Wenjia Wu</i></p>
<p align="center">Session 29: Optimization and Classification II 13:30-14:50 June 18, 2017 Room N314, Reading Building Session Chair: Xiangyang Luo, The PLA Information Engineering University, China</p>	
13:30-13:50	<p>Performance Measurement and Configuration Optimization of Virtual Machines Based on the Bayesian Network <i>Jia Hao, Binbin Zhang, Kun Yue, Juan Wang and Hao Wu</i></p>
13:50-14:10	<p>Home Appliances classification based on multi – feature using ELM <i>Qi Liu and Fangpeng Chen</i></p>
14:10-14:30	<p>Image Recapture Detection Through Residual-based Local Descriptors and Machine Learning <i>Jian Li and Guojing Wu</i></p>
14:30-14:50	<p>A Method towards Community Detection Based on Estimation of Distribution Algorithm <i>Yawen Chen and Wenan Tan</i></p>
<p align="center">Session 30: Optimization and Classification III 15:00-16:40 June 18, 2017 Room N314, Reading Building Session Chair: Yizhi Ren, Hangzhou Dianzi University, China</p>	
15:00-15:20	<p>A Survey on Rainfall Forecasting using Artificial Neural Network <i>Qi Liu, Yanyun Zou, Xiaodong Liu and Nigel Linge</i></p>
15:20-15:40	<p>Sentiment Analysis with Improved Adaboost and Transfer Learning based on Gaussian Process <i>Yuling Liu, Qi Li</i></p>
15:40-16:00	<p>HL-HAR: Hierarchical Learning Based Human Activity Recognition in Wearable Computing <i>Yan Liu, Wentao Zhao, Qiang Liu, Linyuan Yu, and Dongxu Wang</i></p>
16:00-16:20	<p>Optimization Model of Knowledge Transfer at Different Time Points in Big Data <i>Chuanrong Wu, Evgeniya Zapevalova, Yingwu Chen and Deming Zeng</i></p>



16:20-16:40	<p>Fast CU Size Decision Based on Texture-Depth Relationship for Depth Map Encoding in 3D-HEVC</p> <p><i>Liming Chen, Xiaokai Yi, Dingcheng Wang, Yajuan Zhang and Zhaoqing Pan</i></p>
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ICCCS 2017 Poster Session

Session I: 11:00-11:15 June 17, 2017 Lobby of Meteorological Building Session Chair: Wei Lu, Sun Yat-sen University, China	
Information Hiding	Steganalysis with CNN using multi-channels filtered residuals <i>Yafei Yuan, Wei Lu, Bingwen Feng and Jian Weng</i>
	Coverless Text Information Hiding Method Using the Frequent Words Distance <i>Jianjun Zhang, Jun Shen, Haijun Lin and Lucai Wang</i>
	Improved STDM Watermarking using Semantic Information-based JND Model <i>Chunxing Wang, Teng Zhang, Wenbo Wan, Jiande Sun, Jing Li and Meiling Xu</i>
	The Categories of Quantum Information Hiding Protocol <i>Shujiang Xu, Zhiguo Qu, Lianhai Wang, Guangqi Liu and Lijuan Xu</i>
	Coverless Information Hiding Technology Research Based on News Aggregation <i>Conghua Liu and Gang Luo</i>
Information Security & Cloud Security	A Chaotic Map-based Authentication and Key Agreement Scheme with User Anonymity for Cloud Computing <i>Fan Wu and Lili Xu</i>
	An anonymous user authentication and key distribution protocol for heterogenous wireless sensor network <i>Xin Zhang and Fengtong Wen</i>
	Privacy-Preserving Multi-party Aggregate Signcryption for Heterogeneous Systems <i>Shufen Niu, Zhenbin Li and Caifen Wang</i>
	An Enhanced Method of Trajectory Privacy Preservation through Trajectory Reconstruction <i>Yan Dai and Jie Shao</i>
	Efficient and Short Identity-based Deniable Authenticated Encryption <i>Chunhua Jin and Jianyang Zhao</i>
	Towards Fully Homomorphic Encryption from Gentry-Peikert-Vaikuntanathan Scheme <i>Gang Du, Chunguang Ma, Zengpeng Li and Ding Wang</i>
Session II: 14:50-15:00 June 17, 2017 Lobby of Meteorological Building Session Chair: Huaqun Wang, Nanjing University of Posts and Telecommunications, China	
Information Security & Cloud Security	Privacy-Preserving Medical Information Systems using Multi-Authority Content-Based Encryption in Cloud <i>Rui Guo, Xiong Li and Dong Zheng</i>
	Detect Storage Vulnerability of User-Input Privacy in Android Applications with Static and Dynamic Analysis <i>Li Jiang and Yi Zhuang</i>



	<p align="center">Certificateless cryptography with KGC trust level 3 revisited <i>Fei Li, Wei Gao, Dongqing Xie, and Chunming Tang</i></p>
	<p align="center">A revocable ID-based encryption scheme <i>Yinxia Sun, Futai Zhang, and Limin Shen</i></p>
	<p align="center">Server-less lightweight Authentication Protocol for RFID System <i>Jing Li, Zhiping Zhou, Ping Wang</i></p>
IoT Applications	<p align="center">A Novel Kalman Filter based NLOS Localization Method for Wireless Sensor Networks <i>Long Cheng, Yuchao Shao and Yan Wang</i></p>
	<p align="center">An improved localization algorithm for anisotropic sensor networks <i>Xiaoyong Yan, Zhong Yang, Yu Liu, Zhong Su and Huijun Li</i></p>
	<p align="center">Further Results on Finite-Time Stability of Switched Static Neural Networks <i>Zhihua Diao, Chunying Diao, Xiaoliang Qian, and Yuanyuan Wu</i></p>
	<p align="center">An Improved Artificial Immune Network Based on the Secondary Immune Mechanism for Data Clustering <i>Yangyang Li, Xiaojun Hou, Licheng Jiao and Yu Xue</i></p>
	<p align="center">Analysis of user's abnormal behavior in enterprise network based on behavior sequence <i>Haichao Guan, Guozi Sun and Huakang Li</i></p>
<p align="center">Session III: 16:20-16:30 June 17, 2017 Lobby of Meteorological Building Session Chair: Zhe Liu, Nanjing University of Aeronautics and Astronautics, China</p>	
Multimedia Applications	<p align="center">Adaptive hybrid wavelet regularization method for compressive imaging <i>Lingjun Liu, Weiyu Yu, Cui Yang</i></p>
	<p align="center">Registration of OCT fundus images with color fundus images based on invariant features <i>Ping Li, Qiang Chen, Wen Fan and Songtao Yuan</i></p>
	<p align="center">View-based 3D model retrieval based on distance learning <i>Yang Shi, Nannan Liu, Xingjian Long and Lei Xu</i></p>
	<p align="center">PCANet for Color Image Classification in Various Color Spaces <i>Jiasong Wu, Shijie Qiu, Rui Zeng, Lotfi Senhadji and Huazhong Shu</i></p>
	<p align="center">System Log-based Android Root State Detection <i>Junjie Jin and Wei Zhang</i></p>
	<p align="center">A Method of Group Behavior Analysis for Enhanced Affinity Propagation <i>Xinning Li, Zhiping Zhou and Lele Liu</i></p>
Optimization and Classification	<p align="center">An Improved Quantum-Inspired Evolutionary Algorithm for Knapsack Problems <i>Sheng Xiang, Yigang He, Liuchen Chang, Kehan Wu and Chaolong Zhang</i></p>



	<p>Output-based sampled data control for linear systems: A measurement error estimation approach</p> <p><i>Yuelin Shen and Wenbing Zhang</i></p>
	<p>A New Adaptive Firefly Algorithm for Solving Optimization Problems</p> <p><i>Wenjun Wang and Hui Wang</i></p>
	<p>Newton Method for Interval Predictor Model with Sphere Parameter Set</p> <p><i>Xuan Xiao, Peng Wang and Jian-Hong Wang</i></p>
	<p>A conjugate gradient algorithm with Yuan-Wei-Lu line search</p> <p><i>Gonglin Yuan, Wujie Hu and Zhou Sheng</i></p>
<p>Session IV: 10:10-10:25 June 18, 2017 Lobby of Meteorological Building</p> <p>Session Chair: Taylor Micheal Eenest, Nanjing University of Information Science & Technology, China</p>	
<p>Multimedia Applications</p>	<p>A Median Filtering Forensics Approach Based on Machine Learning</p> <p><i>Bin Yang and Enguo Cao</i></p>
	<p>Spatiotemporal Radio Tomographic Imaging with Bayesian Compressive Sensing for RSS-based Indoor Target Localization</p> <p><i>Baolin Shang, Jiaju Tan, Xiaobing Hong, Xuemei Guo, Guoli Wang, Gonggui Liu, Shouren Xue</i></p>
	<p>Detection in SAR Images Based on Histogram and Improved Elitist Genetic Fuzzy Clustering</p> <p><i>Ronghua Shang and Weitong Zhang</i></p>
	<p>Research on Cognitive Radio Spectrum Sensing Method Based on Information Geometry</p> <p><i>Qiang Chen, Pin Wan, Yonghua Wang, Jiangfan Li and Yirui Xiao</i></p>
	<p>Android Malware Detection Using Hybrid Analysis and Machine Learning Technique</p> <p><i>Fan Yang, Yi Zhuang and Jun Wang</i></p>
	<p>Workload-aware Page-level Flash Translation Layer for NAND Flash-based Storage Systems</p> <p><i>Miao Zhou, Mingwei Lin</i></p>
<p>Information Security & Cloud Security</p>	<p>Efficient CP-ABE with Non-Monotonic Access Structures</p> <p><i>Yong Cheng</i></p>
	<p>Image Authentication Based on Least Significant Bit Hiding and Double Random Phase Encoding Technique</p> <p><i>Faliu Yi, Yousun Jeoung and Inkyu Moon</i></p>
	<p>On-line Intrusion Detection Model Based on Approximate Linear Dependent Condition</p> <p><i>Jian Tang, Meijuan Jia, Meiyong Jia</i></p>
	<p>Differential Direction Adaptive Based Reversible Information Hiding</p> <p><i>Feipeng Lin, Bo Wang and Yabin Li</i></p>



	<p align="center">Detection of Jitterbug Covert Channel Based on Partial Entropy Test <i>Hao Wang, Guangjie Liu, Weiwei Liu, Jiangtao Zhai and Yuewei Dai</i></p>
<p align="center">Session V: 14:50-15:00 June 18, 2017 Lobby of Meteorological Building Session Chair: Yong Yu, Shanxi Normal University, China</p>	
IoT Applications	<p align="center">An Improved RFID search protocol <i>Ping Wang, Zhiping Zhou and Ziwen Sun</i></p>
	<p align="center">An Efficient Speeding up Algorithm of Frobenius based Scalar Multiplication on Koblitz Curves for Clouding Computing <i>Yunqi Dou, Chuangui Ma, Yanbin Li and Fushan Wei</i></p>
	<p align="center">MLS-Join: An Efficient MapReduce-based Algorithm for String Similarity Self-Joins with Edit Distance Constraint <i>Decai Sun and Xiaoxia Wang</i></p>
	<p align="center">Consensus of Multi-Agent Systems with State Constraints <i>Qingling Wang</i></p>
Optimization and Classification	<p align="center">IU-PMF: Probabilistic Matrix Factorization model fused with Item Similarity and User Similarity <i>Yilong Shi, Hong Lin and Yuqiang Li</i></p>
	<p align="center">The Formal Transformation of AADL Based on Z-CoIA <i>Zhang Fugao and Cao Zining</i></p>
	<p align="center">New Delay-Dependent Stability for Neutral Systems with Its Application to Partial Element Equivalent Circuit Model <i>Tao Li, Ting Wang, Jin Deng and Li Zhang</i></p>
	<p align="center">A Quantitative Evaluation Method of Surveillance Coverage of UAVs Swarm <i>Wei Li, Changxin Huang, Kaimin Chen and Songchen Han</i></p>
	<p align="center">A Developmental Evolutionary Algorithm for 0-1 Knapsack Problem <i>Ming Zhong and Bo Xu</i></p>
	<p align="center">Chaos Prediction of Fast Fading Channel of Multi-Rates Digital Modulation Using Support Vector Machines <i>Yijing Ren, Ren Ren</i></p>