



## Conference Program

June 8, 2018 (Friday)							ICCCS2018		
14:00-21:00	Registration		The Lobby of Howard Johnson New Port Resort Haikou						
			The Lobby of Haikou New Yantai Hotel						
18:00-21:30	BBQ Reception (Western Restaurant)								
June 9, 2018 (Saturday)							ICCCS2018		
Room	Tianjin Hall of Howard Johnson New Port Resort Haikou								
08:30-09:10	Opening Ceremony								
08:35-08:45	Opening Remarks ICCCS General Chair: <i>Prof. Xingming Sun</i> , Nanjing University of Information Science & Technology, China								
08:45-09:10	Welcome Speech <i>Prof. Beiqun Li</i> , President of Nanjing University of Information Science & Technology, China <i>Prof. Xianfeng Chen</i> , Vice President of Hainan University, China								
09:10-10:00	Distinguished Talk 1: Adversarial Multimedia Forensics: Overview and Challenges Ahead <i>Prof. Mauro Barni</i> , University of Salerno, Italy Session Chair: Prof. Yun Q. Shi, New Jersey Institute of Technolgoy, USA								
10:00-10:50	Distinguished Talk 2: The 7 AI Megatrends and How to Achieve Them <i>Prof. Charles Ling</i> , University of Western Ontario, Canada Session Chair: Prof. Victor. S. Sheng, University of Central Arkansas, USA								
10:50-11:05	Coffee Break/Poster Session I								
11:05-11:55	Distinguished Talk 3: 安全可控多模态信息隐藏体系 <i>Dr. Yunbiao Guo</i> , Chinese Institute of Electronics, China Session Chair: Dr. Xin'gang You, Chinese Institute of Electronics, China								
12:00-13:30	Buffet Lunch (Chinese Restaurant, Western Restaurant, Japanese Restaurant)								
Room	Tianjin A	Tianjin B	Red Wine	California	Florida	Missouri			
13:30-15:30	Session 1: Best Paper I (8 papers)	Session 2: Best Paper II (8 papers)	Session 3: Outstanding Paper I (8 papers)	Session 4: Outstanding Paper II (8 papers)	Session 5: Outstanding Paper III (7 papers)	Session 6: Outstanding Paper IV (7 papers)			
15:30-15:45	Coffee Break/Poster Session II								
Room	Tianjin A	Tianjin B	Red Wine	California	Florida	Missouri	Virginia	Alaska	
15:45-17:45	Session A1: Cloud Computing and Security (12 papers)	Session A2: Informaiton Hiding I (12 papers)	Session A3: Multimedia Security and Forensics (12 papers)	Session A4: IoT Applicaitons (12 papers)	Session A5: Cryptography and Blockchain (12 papers)	Session A6: Information Hiding II (12 papers)	Session A7: Big data and Security (12 papers)	Session A8: Cyber Security and Privacy (12 papers)	



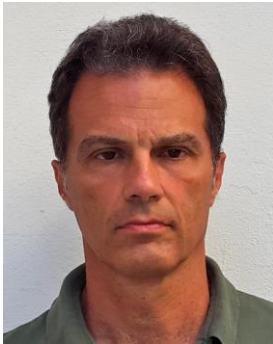
<b>18:30-21:00</b>	<b>Banquet (Tianjin Ballroom)</b>
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June 10, 2018 (Sunday)		ICCCS2018				
Room	Tianjin Hall of Howard Johnson New Port Resort Haikou					
08:30-09:20	<b>Distinguished Talk4: Internet of Everything for the New Industrial Revolution</b> <i>Prof. Yunhao Liu, Michigan State University, USA</i> Session Chair: Prof. Quansheng Liu, University of South Brittany, France					
09:20-10:10	<b>Distinguished Talk5: On Removing Routing Protocol from Future Wireless Networks: A Real-time Deep Learning Approach for Intelligent Traffic Control</b> <i>Prof. Nei Kato, Tohoku University, Japan</i> Session Chair: Prof. Yang Xiao, University of Alabama, USA					
10:10-10:25	<b>Coffee Break/Poster Session III</b>					
10:25-11:15	<b>Distinguished Talk6: 系统安全、网络安全与数据安全的研究进展</b> <i>Prof. Jianfeng Ma, Xidian University, China</i> Session Chair: Prof. Neal N. Xiong, Northeastern State University, USA					
11:15-12:00	<b>Poster Session III</b>					
12:00-13:30	<b>Buffet Lunch (Chinese Restaurant, Western Restaurant, Japanese Restaurant)</b>					
Room	Red Wine	California	Florida	Missouri	Virginia	Alaska
13:30-15:30	<b>Session B1:</b> AI and Machine Learning (12 papers)	<b>Session B2:</b> Multimedia Watermark (12 papers)	<b>Session B3:</b> IoT and Security I (12 papers)	<b>Session B4:</b> IoT and Security II (12 papers)	<b>Session B5:</b> Quantum and Social Networks (8 papers)	<b>Session B6:</b> Software, Software-Defined Networking and Security (8 papers)
15:30-16:00	<b>Coffee Break/Poster Session IV</b>					
16:00	<b>Have a great trip home! See you in ICCCS 2019!</b>					



## Distinguished Speakers

09:10-10:00 June 9, 2018, Room: Tianjin Hall of Howard Johnson New Port Resort Haikou



**Prof. Mauro Barni**  
University of Siena, Italy

**Title: Adversarial Multimedia Forensics: Overview and Challenges Ahead**

**Abstract:** In recent decades, a significant research effort has been devoted to the development of forensic tools for retrieving information about the history and detecting possible tampering of multimedia documents. A number of counter-forensic tools have been developed as well in order to impede a correct analysis. Such tools are often very effective due to the vulnerability of multimedia forensics techniques, which are not designed to work in an adversarial environment. In this scenario, developing forensic methods capable of granting good performance even in the presence of an adversary aiming at impeding the forensic analysis, is becoming a necessity. This turns out to be a difficult task, given the weakness of the traces the forensic analysis usually relies on. The goal of this talk is to provide an overview of the advances made over the last decade in the field of adversarial multimedia forensics. We first consider the view points of the forensic analyst and the attacker independently, then we review some of the attempts made to jointly take into account both perspectives by resorting to game theory. Eventually, we discuss the hottest open problems and outline possible paths for future research.

**Bio:** Mauro Barni received the Electronics Engineering degree from the University of Florence, in 1991, and the Ph.D. degree in informatics and telecommunications in 1995. He has carried out his research activity for over 20 years at the Department of Information Engineering and Mathematics of the University of Siena, where he works as Full Professor. During the last two decades, he has been studying the application of image processing techniques to copyright protection and authentication of multimedia, and the possibility of processing signals that have been previously encrypted without decrypting them (digital watermarking, multimedia forensics, and signal processing in the encrypted domain). Lately, he has been working on theoretical and practical aspects of adversarial signal processing. He participated in several national and European research projects on diverse topics, including computer vision, multimedia signal processing, remote sensing, digital watermarking, and IPR protection. He has authored or coauthored about 300 papers published in international journals and conference proceedings, totalling more than 12 thousand citations with an h-index of 54 according to Scholar Google search engine. He is the author of five patents in the field of digital watermarking and image authentication. He has coauthored the book *Watermarking Systems Engineering: Enabling Digital Assets Security and Other Applications* (Dekker Inc., 2004). He was the Funding Editor of the EURASIP Journal on Information Security and the former Editor-in-Chief of the IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY. He was the Chairman of the IEEE Information Forensic and Security Technical Committee from 2010 to 2011 and the Technical Program co-Chair of ICASSP 2014. He was appointed as a DL of the IEEE SPS from 2013 to 2014. He is a member of EURASIP and a fellow of IEEE. He was the recipient of the 2016 Individual Technical Achievement of EURASIP.



**10:00-10:50 June 9, 2018, Room: Tianjin Hall of Howard Johnson New Port Resort Haikou**



**Prof. Charles Ling**  
**University of Western Ontario, Canada**

**Title: The 7 AI Megatrends and How to Achieve Them**

**Abstract:** Pedro Domingos, the author of The Master Algorithm, proposed 5 AI Megatrends. In this talk, I added two, and discuss the opportunities, challenges, and approaches to achieve them for AI researchers.

**Bio:** Charles Ling is a Full Professor in the Department of Computer Science, and Science Distinguished Research Professor, at University of Western Ontario in Canada. He is a Fellow of Canadian Academy of Engineering (CAE). He is a world-leading researcher in machine learning, Artificial Intelligence, data analytics and applications. He has published over 160 research papers, many in top-tier journals and international conferences. He has received numerous awards, recognitions, and fundings for his research achievements. In addition, he is also Founder and CEO of GoHealthNow, which creates a platform for diabetes care using data analytics and AI. In China, he is an Expert in the “Thousand talents Program”, and holds Adjunct positions in several universities and institutes.

**11:05-11:55 June 9, 2018, Room: Tianjin Hall of Howard Johnson New Port Resort Haikou**



**郭云彪 研究员**  
**北京电子技术应用研究所, 中国**

**Title: 安全可控多模态信息隐藏体系**

**Abstract:** 借鉴密码学思想，建立算法可变，修改模式可控的多模态信息隐藏系统；全面整合信息隐藏算法和嵌入修改模式，构建海量信息隐藏技术空间，建立密钥与信息隐藏技术的映射方法，实现任给密钥就能生成一次信息隐藏通信过程的信息隐藏重构机制；让用户通过输入密钥来控制隐藏过程，增加用户对信息隐藏技术的参与度与信任感，实现面向普通用户满足密码学 Kerckhoffs 准则的信息隐藏实用技术，从抗破译的角度探索了信息隐藏理论研究新体系，建立面向大众应用的信息隐藏理论、方法和关键技术，推进信息隐藏技术从实验室走向千家万户。

**Bio:** 郭云彪，北京电子技术应用研究所研究员，承担国家级省部级重大科研项目 30 余项，获省部级科技进步奖 30 余次，7 个项目推荐参评国家奖，5 次获得国家级科技奖励。两次获国家科技进步一等奖，两次获国家科技进步二等奖，一次或国家发明二等奖，2007 年获国务院特殊津贴，2012 被评为国家青年科技创新领军人才，2014 年入选国家百千万人才工程。曾担任中国计算机学会理事，中国防伪学会常务理事。



**08:30-09:20 June 10, 2018, Room: Tianjin Hall of Howard Johnson New Port Resort Haikou**



**Prof. Yunhao Liu**  
Michigan State University, USA

**Title: Internet of Everything for the New Industrial Revolution**

**Abstract:** In this talk, I will introduce several of our ongoing Internet of Things (IoT) projects such as the GreenOrbs, TagSys, and Wifi Radar. I will focus on a few key ideas such as passive diagnosis, sensorless sensing, and the opportunities and challenges in extremely large scale IoT systems, and the impact of IoT to the new industrial revolution.

**Bio:** Yunhao Liu, ACM Fellow and IEEE Fellow, MSU Foundation Professor and Chairperson of Department of Computer Science and Engineering at Michigan State University. He also holds the Chang Jiang Chair Professorship and serves as the Director of Tsinghua-Yonghui Joint Research Institute for Smart Supply Chain at Tsinghua University. Yunhao received his BS degree in Automation Department from Tsinghua University in 1995, and an MS and a Ph.D. degree in Computer Science and Engineering at Michigan State University in 2003 and 2004, respectively. Yunhao was in the faculty of the Department of Computer Science and Engineering at the Hong Kong University of Science and Technology from 2004 through 2011 and the School of Information Technology at Tsinghua University from 2011 through 2013, and the Dean of School of Software of Tsinghua University from 2013 through 2018. Yunhao is an ACM Distinguished Speaker and the recipient of the IOT Young Achievement Award from the China Computer Federation (2016), the ACM Presidential Award (2013), the China National Natural Science Award (2012), and the NSF China Distinguished Young Scholar Award (2011). He has authored/co-authored three books and more than 180 research papers. He received 4 Best Paper Awards in international leading conferences and has over 20,000 citations with an h-index of 63.

**09:20-10:10 June 10, 2018, Room: Tianjin Hall of Howard Johnson New Port Resort Haikou**



**Prof. Nei Kato**  
Tohoku University, Japan

**Title: On Removing Routing Protocol from Future Wireless Networks: A Real-time Deep Learning Approach for Intelligent Traffic Control**

**Abstract:** Recently, deep learning, an emerging machine learning technique, is garnering a lot of research attention in several computer science areas. However, to the best of our knowledge, its application to improve heterogeneous



network traffic control which is an important and challenging area for IoT by its own merit has yet to appear because of the difficult challenge in characterizing the appropriate input and output patterns for a deep learning system to correctly reflect the highly dynamic nature of large-scale heterogeneous networks. In this talk, an appropriate input and output characterizations of heterogeneous network traffic will be introduced and a supervised deep neural network system will be proposed. I will describe how our proposed system works and how it differs from traditional neural networks. Also, preliminary results will be discussed and I will demonstrate the encouraging performance of our proposed deep learning system compared to a benchmark routing strategy (Open Shortest Path First (OSPF)) in terms of significantly better signaling overhead, throughput, and delay. In addition, can a new intelligent traffic control system be designed without any benchmark training data, and can learn by itself to replace existing non-intelligent routing protocols? I will also address this issue by some of our preliminary results and look toward the future.

**Bio:** Nei Kato is a full professor and the Director of Research Organization of Electrical Communication (ROEC),

Tohoku University, Japan. He has been engaged in research on computer networking, wireless mobile communications, satellite communications, ad hoc & sensor & mesh networks, smart grid, IoT, Big Data, and pattern recognition. He has published more than 400 papers in prestigious peer-reviewed journals and conferences. He is the Vice-President (Member & Global Activities) of IEEE Communications Society(2018-2019), the Editor-in-Chief of IEEE Transactions on Vehicular Technology(2018-), and the Chair of IEEE Communications Society Sendai Chapter. He served as the Editor-in-Chief of IEEE Network Magazine (2015-2018), a Member-at-Large on the Board of Governors, IEEE Communications Society(2014-2016), a Vice Chair of Fellow Committee of IEEE Computer Society(2016), and a member of IEEE Communications Society Award Committee (2015-2018). He has also served as the Chair of Satellite and Space Communications Technical Committee (2010-2012) and Ad Hoc & Sensor Networks Technical Committee (2014-2015) of IEEE Communications Society. His awards include Minoru Ishida Foundation Research Encouragement Prize(2003), Distinguished Contributions to Satellite Communications Award from the IEEE Communications Society, Satellite and Space Communications Technical Committee(2005), the FUNAI information Science Award(2007), the TELCOM System Technology Award from Foundation for Electrical Communications Diffusion(2008), the IEICE Network System Research Award(2009), the IEICE Satellite Communications Research Award(2011), the KDDI Foundation Excellent Research Award(2012), IEICE Communications Society Distinguished Service Award(2012), IEICE Communications Society Best Paper Award(2012), Distinguished Contributions to Disaster-resilient Networks R&D Award from Ministry of Internal Affairs and Communications, Japan(2014), Outstanding Service and Leadership Recognition Award 2016 from IEEE Communications Society Ad Hoc & Sensor Networks Technical Committee, Radio Achievements Award from Ministry of Internal Affairs and Communications, Japan (2016), IEEE Communications Society Asia-Pacific Outstanding Paper Award(2018) and Best Paper Awards from IEEE ICC/GLOBECOM/WCNC/VTC. Nei Kato is a Distinguished Lecturer of IEEE Communications Society and Vehicular Technology Society. He is a fellow of IEEE and IEICE.





10:25-11:15 June 10, 2018, Room: Tianjin Hall of Howard Johnson New Port Resort Haikou



**Prof. Jianfeng Ma**  
Xidian University, China

**Title:** 系统安全、网络安全与数据安全的研究进展

**Abstract:**信息系统的网络化、智能化使得作为基本系统单元的设备具有更强大的功能，但同时也更容易遭受攻击，端设备的安全问题日益严重。传统的身份认证是网络安全的基础技术，但是无法保证端设备的完整性等安全特征，需要将端设备的安全与网络的安全相结合。服务化是信息系统的另外一个特征，而数据的安全性是服务的基础和前提，传统的通信系统的数据安全侧重于数据的安全传输，而现在的信息系统的数据安全则更侧重于数据的安全存储和处理。因此，我们将重点讨论智能电子系统的安全，无线网络，特别是无人系统网络的安全设计问题。最好，结合加密数据库介绍数据的安全存储问题。

**Bio:**马建峰，西安电子科技大学教授、教育部长江学者特聘教授、“新世纪百千万人才工程”国家级人选、“网络与信息安全”教育部创新团队带头人，先后兼任教育部学科建设与专业设置专家委员会委员、教育部高等学校计算机科学与技术教学指导委员会委员、教育部高等学校信息安全类专业教学指导委员会委员、科技部973计划信息领域专家咨询组成员、中国科学院信息工程研究所战略咨询委员会成员、“中国电子”科学技术委员会委员、“信息与通信工程”学科大百科全书“信息与信号理论”分支主编、国务院学位委员会“网络空间安全”学科评议组成员、中共陕西省委网络安全与信息化专家咨询委员会副主任兼网络安全专业委员会主任、中国电子学会/计算机学会会士等，同时担任“中国科学：信息科学”/“电子学报”/“计算机学报”/“密码学报”/“信息安全学报”编委，“通信学报”副主编/编委会副主任等。

主要从事无线网络安全、数据安全等领域的研究，先后获得国家技术发明奖、国家教学成果奖和“网络安全”优秀人才奖等。

Professor Jianfeng Ma received the Ph.D degree from Xidian University, China in 1995. He has been a professor in Department of Computer Science and Technology, Xidian University since 1998. He was the special engaged professor of the Yangtze River scholar in China. His research interests include cryptology, network security, data security and so on. Currently, He is the director of “Shaanxi Key Laboratory of Network and System Security”, the fellow of Chinese Institute of Electronics, the academic committee member of “State Key Laboratory of Integrated Services Networks”, the council member of CCF, the editor of “SCIENCE CHINA Information Sciences”, “Journal on Communications” “Chinese Journal of Computers” and so on.

He has published over 400 technical papers at premium international journals and conferences, which include over 200 papers published in IEEE and ACM journals or conferences, like IEEE Transactions on Information Forensics and Security, IEEE/ACM Transactions on Networking, IEEE Transactions on Parallel and Distributed Systems, IEEE Transactions on Wireless Communications, INFOCOM, SIGMOD, ESORICS and so on. Besides, he owns over 70 granted patents and develops over 10 prototype systems including wireless access, cloud computing, trust computing and so on. Especially for the “Qin Cloud” DB, it has won the golden prize in the national innovation & entrepreneurship competition. He also won National Technology Invention Awards in 2013 for his contribution on heterogeneous network security.



## Conference Sessions

<b>Session 1: Best paper I</b>	
<b>13:30-15:30 June 9, 2018, Room: Tianjin A, Howard Johnson New Port Resort Haikou</b>	
<b>13:30-15:30</b>	<b>Session Chair: Yun Q. Shi, New Jersey Institute of Technology, USA</b> <b>Xin'gang You, Chinese Institute of Electronics, China</b> <b>Jiaohua Qin, Central South University of Forestry &amp; Technology, China</b> <b>Jiande Sun, Shandong Normal University, China</b> <b>Xin Xu, Wuhan University of Science and Technology, China</b>
	<b>8 Best Paper Candidates (TBD), 15 Minutes Presentation / Paper.</b>
<b>Session 2: Best Paper II</b>	
<b>13:30-15:30 June 9, 2018, Room: Tianjin B, Howard Johnson New Port Resort Haikou</b>	
<b>13:30-15:30</b>	<b>Session Chair: Quansheng Liu, University of South Brittany, France</b> <b>Yunbiao Guo, Chinese Institute of Electronics, China</b> <b>Mengxing Huang, Hainan University, China</b> <b>Chunfang Yang, Zhengzhou Science and Technology Institute, China</b> <b>Zhaoqing Pan, Nanjing University of Information Science and Technology, China</b>
	<b>8 Best Paper Candidates (TBD), 15 Minutes Presentation / Paper.</b>
<b>Session 3: Outstanding Paper I</b>	
<b>13:30-15:30 June 9, 2018, Room: Red Wine, Howard Johnson New Port Resort Haikou</b>	
<b>13:30-15:30</b>	<b>Session Chair: Ching-Nung Yang, Taiwan Dong Hwa University, Taiwan, China</b> <b>Jiangqun Ni, Sun Yat-Sen University, China</b> <b>Chuan Qin, University of Shanghai for Science and Technology, China</b> <b>Baowei Wang, Nanjing University of Information Science and Technology, China</b> <b>Yun Lin, Harbin Engineering University, China</b>
	<b>8 Outstanding Paper Candidates (TBD), 15 Minutes Presentation / Paper.</b>
<b>Session 4: Outstanding Paper II</b>	
<b>13:30-15:30 June 9, 2018, Room: California, Howard Johnson New Port Resort Haikou</b>	
<b>13:30-15:30</b>	<b>Session Chair: Neal N. Xiong, Northeastern State University, USA</b> <b>Ru Zhang, Beijing University of Posts and Telecommunications, China</b> <b>Xiaolong Li, Beijing Jiaotong University, China</b> <b>Jinwei Wang, Nanjing University of Information Science and Technology, China</b>





	<p><b>Feng Li, Changsha University of Science and Technology, China</b></p> <p><b>8 Outstanding Paper Candidates (TBD), 15 Minutes Presentation / Paper.</b></p>
<p><b>Session 5: Outstanding Paper III</b></p> <p><b>13:30-15:30 June 9, 2018, Room: Florida, Howard Johnson New Port Resort Haikou</b></p>	
13:30-15:30	<p><b>Session Chair: Qing Yang, University of North Texas, USA</b></p> <p><b>Nenghai Yu, University of Science and Technology of China, China</b></p> <p><b>Zhenxing Qian, Fudan University, China</b></p> <p><b>Zhangjie Fu, Nanjing University of Information Science and Technology, China</b></p> <p><b>Jieren Cheng, Hainan University, China</b></p> <p><b>7 Outstanding Paper Candidates (TBD), 15 Minutes Presentation / Paper.</b></p>
<p><b>Session 6: Outstanding Paper IV</b></p> <p><b>13:30-15:15 June 9, 2018, Room: Missouri, Howard Johnson New Port Resort Haikou</b></p>	
13:30-15:15	<p><b>Session Chair: Yang Xiao, The University of Alabama, USA</b></p> <p><b>Shuangkui Xia, Chinese Institute of Electronics, China</b></p> <p><b>Wei Lu, Sun Yat-sen University, China</b></p> <p><b>Zhihua Xia, Nanjing University of Information Science and Technology, China</b></p> <p><b>Lijuan Zheng, Shijiazhuang Tiedao University, China</b></p> <p><b>7 Outstanding Paper Candidates (TBD), 15 Minutes Presentation / Paper.</b></p>
<p><b>Best Paper Candidate Nomination List</b></p> <p><b>(46 Papers)</b></p>	
1	<p><b>744: Selective Opening Secure Certificateless Encryption Scheme</b></p> <p><i>Huige Wang, Kefei Chen, and Yuan Zhang</i></p>
2	<p><b>437: VariSecure: Facial Appearance Variance based Secure Device Pairing</b></p> <p><i>Zhiping Jiang, Chen Qian, Rui Li, Kun Zhao, and Shuaiyu Chen</i></p>
3	<p><b>625: A Novel Hybrid Anti-Collision Algorithm Based on Frame Breaking Policy for UHF RFID</b></p> <p><i>Jian Su, Zhengguo Sheng, Wei Zhuang, and Yongrui Chen</i></p>
4	<p><b>1280: Research on Big Data Fusion Method of Smart Grid in the Environment of Internet of Things</b></p> <p><i>Ke Jia, Xiaoming Ju, Hongbin Zhang</i></p>
5	<p><b>1535: Hybrid Network Coding Scheme in Cognitive Radio Networks with Multiple Secondary Users</b></p> <p><i>Shiji Mei, Bing Chen, Feng Hu, and Zhenzhou Ma</i></p>



6	<b>1506: A MPTCP Scheduler for Web Transfer</b> <i>Wenjun Yang, Pingping Dong, Wensheng Tang, Xiaoping Lou, and Hangjun Zhou</i>
7	<b>1046: Traffic Accident Time Series Analysis -- Take Guiyang City as an Example</b> <i>Chao Zhang, Junmei Wang, Pingzeng Liu, Ning Cao</i>
8	<b>837: Community-based Matrix Factorization Model for Recommendation</b> <i>Cairong Yan, Yan Huang, Yan Wan and Guohua Liu</i>
9	<b>900: Personality Trait Prediction Based on 2.5D Face Feature Model</b> <i>Jia Xu, Weijian Tian, Yangyu Fan, Yuxuan Lin, Chengcheng Zhang</i>
10	<b>1366: An Image Augmentation-Based Multi-label Classification of Food Ingredients Using Deep Learning</b> <i>Lili Pan, Tiane Wang, Hao Chen, Xuyu Xiang, Cong Li, and Ran Chen</i>
11	<b>923: Two-Dimensional Histogram Modification based Reversible Data Hiding using Motion Vector for H.264</b> <i>Dong Li, YingNan Zhang, XinChao Li, Ke Niu, XiaoYuan Yang, Yujuan Sun</i>
12	<b>243: Verifiable Diversity Ranking Search Over Encrypted Outsourced Data</b> <i>Yuling Liu, Hua Peng, Jie Wang</i>
13	<b>488: Side Channel Steganalysis: When Behavior is Considered in Steganographer Detection</b> <i>LiLi, Weiming Zhang, Kejiang Chen, Hongyue Zha and Nenghai Yu</i>
14	<b>723: An Attack on Hollow CAPTCHA Using Accurate Filling and Nonredundant Merging</b> <i>Jun Chen, Xiangyang Luo, Jianwei Hu, Dengpan Ye and Daofu Gong</i>
15	<b>772: A Cryptograph Domain Image Retrieval Method Based on Paillier Homomorphic Block Encryption</b> <i>Wenjia Xu and Shijun Xiang</i>
16	<b>1347: Designing Adaptive JPEG Steganography based on the Statistical Properties in Spatial Domain</b> <i>Ge Liu, Fangjun Huang, Zhonghua Li</i>
17	<b>1504: Reducing the Computational Complexity of the Reference-sharing based Self-embedding Watermarking Approach</b> <i>Dongmei Niu, Hongxia Wang and Minquan Cheng</i>
18	<b>846: Multichannel Convolutional Neural Network based Forensics-aware Scheme for Cyber-Physical-Social Systems</b> <i>Bin Yang, Zhenyu Li, Enguo Cao, Xianyi Chen, Tao Zhang</i>
19	<b>356: Research into Effects of Phytoplankton in the Ocean with Extensible Mind Mapping</b>



	<i>Bifeng Guo, Rui Fan, Penghui Liu, Fuyu Ma, Chongwen Huang, Shunliang Ye, Wenjun Hong</i>
20	<b>545: Real-Time Visual Tracking with Compact Shape and Color Feature</b> <i>Zhenguo Gao, Shixiong Xia, Yikun Zhang, Rui Yao, Jiaqi Zhao, Qiang Niu, Haifeng Jiang</i>
21	<b>626: Feature Relationships Learning Incorporated Age Estimation Assisted by Cumulative Attribute Encoding</b> <i>Qing Tian, Meng Cao, Tinghuai Ma</i>
22	<b>864: A Method for Improving CNN-based Image Recognition Using DCGAN</b> <i>Wei Fang, Feihong Zhang, V. S. Sheng and Yewen Ding</i>
23	<b>1501: Data-driven Logical Topology Inference and Person Re-identification based on Multi-cameras IoT</b> <i>Keyang Cheng, Muhammad Saddam Khokhar, and Yongzhao Zhan</i>
24	<b>1588: Discriminative Dictionary Learning with Local Constraints for Face Recognition with Occlusion</b> <i>Tao Zhang, Zhuoqun Yang, Yaqi Xu, Bin Yang and Wenjing Jia</i>
25	<b>1589: A Recommender for Personalized Travel Itineraries</b> <i>Yajie Gu, Jing Zhou, Hanwen Feng, Anying Chen and Shouyi Liu</i>
26	<b>644: ITSD: Imbalanced Triangle Synthetic Data Method for Anomaly Detection</b> <i>Menghua Luo, Ke Wang, Zhiping Cai, Anfeng Liu, and Yangyang Li</i>
27	<b>1690: Efficient Secure Data Provenance Scheme in Multimedia Outsourcing and Sharing</b> <i>Zhen Yang, Yongfeng Huang, Xing Li</i>
28	<b>591: Exploring Methods of Assessing Influence Relevance of News Articles</b> <i>Qingren Wang and Victor S. Sheng</i>
29	<b>382: Synthesis of Quantum Barrel Shifters</b> <i>Zhiqiang Li, Gaoman Zhang, Wei Zhang, Hanwu Chen, and Marek Perkowski</i>
30	<b>829: Social-Aware Based Secure Relay Selection in Relay-Assisted D2D Communications</b> <i>Shanshan Yu, Ju Liu, Xiaoqing Zhang, and Shangbin Wu</i>
31	<b>765: A Review of Privacy-Preserving Machine Learning Classification</b> <i>Andi Wang, Chen Wang, Meng Bi, Jian Xu</i>
32	<b>1341: Q-Learning based Computation Offloading Strategy for Mobile Edge Computing</b> <i>Yifei Wei, Zhaoying Wang, Da Guo, F. Richard Yu</i>
33	<b>1519: A General Two-Server Framework for Ciphertext-Checkable Encryption Against Offline Message Recovery Attack</b>



	<i>Yunhao Ling, Sha Ma, Qiong Huang, Ximing Li</i>
34	<b>1154: A Lightweight Three-factor User Authentication Protocol for the Information Perception of IoT</b> <i>Zhang Liguo, Kou Liang, Li Boquan, and Sun Jianguo</i>
35	<b>880: Dynamics modeling and Stability Analysis of Tilt Wing Unmanned Aerial Vehicle During Transition</b> <i>Yonghong Zhang, Yunfei Deng, Yunping Liu, Lihua Wang</i>
36	<b>1457: Toward a High Performance Mobile Phone Protection Scheme based on Block Chain</b> <i>Kun Yang, Mingzhe Liu, Yaming Yang, Xin Jiang</i>
37	<b>1468: An Advanced Quantum-Resistant Signature Scheme for Cloud Based on Eisenstein Ring</b> <i>Faguo Wu, Xiao Zhang, Wang Yao, Zhiming Zheng, Pengli Xiang and Wanpeng Li</i>
38	<b>1330: Detection of Bird's Nest in High Power Lines based on Combination Features and Cascade Classifier</b> <i>Jianfeng Lu, Xiaoyu Xu, Xin Li, Li Li, Chin-Chen Chang, Xiaoqing Feng, Shanqing Zhang</i>
39	<b>509: Monitoring Home Energy Usage using an Unsupervised NILM Algorithm based on Entropy Index Constraints Competitive Agglomeration (EICCA)</b> <i>Kondwani Michael Kamoto and Qi Liu</i>
40	<b>1115: Error Tolerant ASCA on FPGA</b> <i>Chujiao Ma, John Chandy</i>
41	<b>1731: Comparisons of Learning-Based Methods for Stock Market Prediction</b> <i>Zhaoxia Wang, Adrian Tan, Fang Li, Seng-Beng Ho</i>
42	<b>482: Classification on Grade, Price, and Region with Multi-Label Methods in Wineinformatics</b> <i>James Palmer, Victor S. Sheng, Bernard Chen</i>
43	<b>279: SecDisplay: A Super Light-weight Trust Display Anchor for ARM Platform</b> <i>Jinhua Cui, Pinghai Yuan, Zhiping Cai, and Yuanyuan Zhang</i>
44	<b>777: Multi-VMs Intrusion Detection for Cloud Security using Dempster-Shafer Theory</b> <i>Chak Fong Cheang, Yiqin Wang and Zhiping Cai</i>
45	<b>1373: Analyzing Cross-domain Transportation Big Data of New York City with Semi-supervised and Active Learning</b> <i>Huiyu Sun, Suzanne McIntosh</i>
46	<b>310: Decision Stump and StackingC-based Hybrid Algorithm for Healthcare Data</b>



	<b>Classification</b> <i>Sunil Kr. Jha, Parimala Paramasivam</i>
<b>15:40-17:40</b>	<b>Session A1: Cloud Computing and Security</b> <b>15:40-17:40 June 9, 2018, Room: Tianjin A, Howard Johnson New Port Resort Haikou</b>
	<b>Session Chair: Yongfeng Huang, Tsinghua University, China</b> <b>Zhangjie Fu, Nanjing University of Information Science and Technology, China</b>
<b>15:40-15:50</b>	<b>425: Security Strategy of Campus Network Data Center of Cloud Environment</b> <i>Suhui Ge, Quan Wan, Bin Wang</i>
<b>15:50-16:00</b>	<b>523: A Source Hiding Identity-Based Proxy Re-Encryption Scheme Without Random Oracles for Cloud Computing</b> <i>Chunpeng Ge, Aaron Wu, Hongwei Li, Yao Wang</i>
<b>16:00-16:10</b>	<b>527: An Image Retrieval Technology Based on Morphology in Cloud Computing</b> <i>Liu Gui, Yao Jianhua, Zhou Zhonghai</i>
<b>16:10-16:20</b>	<b>641: Secure, Efcient And Searchable File System on Distributed Clouds</b> <i>Li Ximing, Chen Weizhao, Guo Yubin, Ma Sha, Liang Kaitai, Huang Qiong,</i>
<b>16:20-16:30</b>	<b>752: Machine Learning Based Resource Allocation of Cloud Computing in Auction</b> <i>Jixian Zhang, Ning Xie, Xuejie Zhang, Kun Yue, Weidong Li, Deepesh Kumar</i>
<b>16:30-16:40</b>	<b>862: Adjacency-Hash-Table based Public Auditing for Cloud Storage Security</b> <i>Wenqi Chen, Hui Tian, Chin-Chen Chang, Fulin Nan, Jing Lu</i>
<b>16:40-16:50</b>	<b>1130: A Privacy Preserving Similarity Search Scheme over Encrypted High-dimensional Data for Multiple Data Owners</b> <i>Cheng Guo, Pengxu Tian, Yingmo Jie, Xinyu Tang</i>
<b>16:50-17:00</b>	<b>1295: A Privacy-preserving Image Retrieval Method based on Improved BoVW Model in Cloud Environment</b> <i>Jiaying Gong, Yanyan Xu, Xiao Zhao</i>
<b>17:00-17:10</b>	<b>1317: Research on Trust Model in Contrainer-based Cloud Service</b> <b>Xiaolan Xie, Tianwei Yuan, Xiao Zhou, Xiaochun Cheng</b>
<b>17:10-17:20</b>	<b>1486: An Exception Handling Approach for Privacy-preserving Service Recommendation Failure in A Cloud Environment</b> <i>Lianyong Qi, Xu Yun Zhang, Ruili Wang, Wanchun Dou</i>
<b>17:20-17:30</b>	<b>1522: Privacy-Preserving Credit Scoring on Cloud</b> <i>Jilin Wang, Yingzi Chen and Xiaoqing Feng</i>



17:30-17:40	<b>1652: A Multi-grained Log Auditing Scheme for Cloud Data Confidentiality</b> <i>Zhen Yang, Wenyu Wang, Yongfeng Huang, Xing Li</i>
15:40-17:40	<b>Session A2: Information Hiding I</b> 15:40-17:40 June 9, 2018, Room: Tianjin B, Howard Johnson New Port Resort Haikou
<b>Session Chair: Li Li, Hangzhou University of Electronic Science and Technology, China</b> <b>Lingyun Xiang, Changsha University of Science and Technology, China</b>	
15:40-15:50	<b>433: Improved Lossless Data Hiding for JPEG Images based on Histogram Modification</b> <i>Yang Du, Zhaoxia Yin, Xinpeng Zhang</i>
15:50-16:00	<b>510: Covert Communication by Exploring Statistical and Linguistical Distortion in Text</b> <i>Huanhuan Hu, Xin Zuo, Weiming Zhang, and Nenghai Yu</i>
16:00-16:10	<b>541: Reversible Data Hiding in JPEG Images Based on Two-Dimensional Histogram Modification</b> <i>Sijin Cheng, Fangjun Huang</i>
16:10-16:20	<b>629: Text Semantic Steganalysis Based on Word Embedding</b> <i>Xin Zuo, Huanhuan Hu, Weiming Zhang, and Nenghai Yu</i>
16:20-16:30	<b>711: A Novel Steganography Scheme Based on Asymmetric Embedding Model</b> <i>Xiangleihu, Haishan Chen, Jiangqun Ni, and Wenkang Su</i>
16:30-16:40	<b>813: A Data Hiding Scheme with High Quality for H.264/AVC Video Streams</b> <i>Yi Chen, Hongxia Wang, Hanzhou Wu, Yanli Chen, Yong Liu</i>
16:40-16:50	<b>1095: Style Transferring Based Data Hiding for Color Images</b> <i>Yi Puyang, Zhenxing Qian, Zhaoxia Yin, Xinpeng Zhang</i>
16:50-17:00	<b>1136: A Multiple Linear Regression Based High-Performance Error Prediction Method For Reversible Data Hiding</b> <i>Bin Ma, Xiaoyu Wang, Bing Li, and Yunqing Shi</i>
17:00-17:10	<b>1252: Reversible Data Hiding for Video</b> <i>Dong Li, Yingnan Zhan, Ke Niu, Xiaoyuan Yang</i>
17:10-17:20	<b>1306: RITS: Real-Time Interactive Text Steganography Based on Automatic Dialogue Model</b> <i>Zhongliang Yang, Pengyu Zhang, Minyu Jiang, Yongfeng Huang, and Yu-Jin Zhang</i>
17:20-17:30	<b>1447: Reversible Data Hiding in Classification-Scrambling Encrypted Image Based on Iterative Recovery</b> <i>Yuyu Chen, Yin Bangxu, Hongjie He, Shu Yan, Fan Chen, Heng-Ming Tai</i>
17:30-17:40	<b>1472: A Word-embedding-based Steganalysis Method for Linguistic Steganography via Synonym-substitution</b> <i>Lingyun Xiang, Jingmin Yu, Chunfang Yang, Daojian Zeng, Xiaobo Shen</i>





15:40-17:40	<p align="center"><b>Session A3: Multimedia Security and Forensics</b></p> <p align="center">15:40-17:40 June 9, 2018, Room: Red Wine, Howard Johnson New Port Resort Haikou</p>
<p align="center"><b>Session Chair: Jiaohua Qin, Central South University of Forestry and Technology, China</b></p> <p align="center"><b>Xiangyang Luo, Zhengzhou Science and Technology Institute, China</b></p>	
15:40-15:50	<p align="center"><b>116: How the Variance of Hotel Dominance Attribute Affects The Consumer Recommendation Rate: An Empirical Study With The Data From Ctrip.com</b></p> <p align="center"><i>Bingjia Shao, Shasha Liu, Yuan Gao, Xingyang Lyu, Zhendong Cheng</i></p>
15:50-16:00	<p align="center"><b>267: A New Encryption-then-Compression Scheme on Gray Images Using the Markov Random Field</b></p> <p align="center"><i>Chuntao Wang, Yang Feng, Tianzheng Li, Hao Xie, and Goo-Rak Kwon</i></p>
16:00-16:10	<p align="center"><b>533: A Measurement Allocation for Block Image Compressive Sensing</b></p> <p align="center"><i>Xiaomeng Duan, Xu Li and Ran Li</i></p>
16:10-16:20	<p align="center"><b>555: Disseminating Quality-Baese Analysis of Microblog Users' Influencing Ability</b></p> <p align="center"><i>Ziqi Tang, Junyong Luo, Meijuan Yin, Xiaonan Liu, Yan Zheng</i></p>
16:20-16:30	<p align="center"><b>806: JPEG Image Forensics for Video Screenshot vs. Photograph</b></p> <p align="center"><i>Li Zhou, Jialiang Chen, Yanmei Fang, and Wei Lu</i></p>
16:30-16:40	<p align="center"><b>906: A Modified U-Net for Brain MR Image Segmentation</b></p> <p align="center"><i>Yunjie Chen, Zihui Cao, Chunzheng Cao, Jianwei Yang, Jianwei Zhang</i></p>
16:40-16:50	<p align="center"><b>1103: A Secure Multimedia Data Sharing scheme for Wireless Networks</b></p> <p align="center"><i>Liming Fang, Liang Liu, Jinyue Xia, Maosheng Sun</i></p>
16:50-17:00	<p align="center"><b>1185: Robust Image Hashing via Random Gabor Filtering and DWT</b></p> <p align="center"><i>Zhenjun Tang, Man Ling, Heng Yao, Xianquan Zhang, Chunqiang Yu, and Shijie Xu</i></p>
17:00-17:10	<p align="center"><b>1267: NMF-based Authentication Scheme for Encrypted Speech</b></p> <p align="center"><i>Canghong Shi and Hongxia Wang</i></p>
17:10-17:20	<p align="center"><b>1453: Replay Attack Detection Based on Distortion by Loudspeaker for voice authentication</b></p> <p align="center"><i>Yanzhen Ren, Zhong Fang, Dengkai Liu, Changwen Chen</i></p>
17:20-17:30	<p align="center"><b>1662: A New Dependency Parsing Tree Generation Algorithm Based on the Semantic Dependency Relationship between Words</b></p> <p align="center"><i>Jin Han, Wen Long Xu, Yu Ting Jing</i></p>
17:30-17:40	<p align="center"><b>1688: Fast Near-duplicate Image Detection in Riemannian Space by a Novel Hashing Scheme</b></p> <p align="center"><i>Ligang Zheng</i></p>
15:40-17:40	<p align="center"><b>Session A4: IoT Applications</b></p> <p align="center">15:40-17:40 June 9, 2018, Room: California, Howard Johnson New Port Resort Haikou</p>
<p align="center"><b>Session Chair: Jianguo Sun, Harbin Engineering University, China</b></p> <p align="center"><b>Baowei Wang, Nanjing University of Information Science and Technology, China</b></p>	



15:40-15:50	<b>779: Accurate Hand Detection Method for Noisy Environments</b> <i>Hang Pan, Qingjie Zhu, Renjun Tang, Jinlong Chen, Xianjun Chen, Baohua Qiang, Minghao Yang</i>
15:50-16:00	<b>951: Localization Algorithm of Indoor Wi-Fi Access Points Based on Signal Strength Relative Relationship and Region Division</b> <i>Wen-Yan Liu, Xiang-Yang Luo, Yi-Min Liu, Jian-Qiang Liu, Ming-Hao Liu, and Fen-Lin Liu</i>
16:00-16:10	<b>1051: EESS: An Energy-Efficient Spectrum Sensing Method by Optimizing Spectrum Sensing Node in Cognitive Radio Sensor Networks</b> <i>Zilong Jin, Yu Qiao, and Alex Liu</i>
16:10-16:20	<b>1198: A Mixed Mobile Charging Strategy in Rechargeable Wireless Sensor Networks</b> <i>Yang Yang, Xiang yang Gong, Xuesong Qiu, Zhipeng Gao, Haitao Yu</i>
16:20-16:30	<b>1382: Low-power Listen based Driver Drowsiness Detection System using Smartwatch</b> <i>Shiyuan Zhang, Hui He, Zhi Wang, Mingze Gao and Jinsong Mao</i>
16:30-16:40	<b>1429: Bring Intelligence to Ports based on Internet of Things</b> <i>Suying Li, Zhenzhou Ma, Peitao Han, Siyang Zhao, Peiyong Guo, and Hepeng Dai</i>
16:40-16:50	<b>1467: Wearable IoT enabled Real Time Health and Behaviour Monitoring System</b> <i>Jie Wan, Munassar A.A.H AL-AWLAQI, Ning Cao, Xiang Gu, Michael O'Grady, Jin Wang</i>
16:50-17:00	<b>1497: Topic Model based Management Frame Authentication using CSI</b> <i>Zhao Yang, Wei Xi, Kun Zhao, Jizhong Zhao, Xiaohong Wang, and Colin Allen</i>
17:00-17:10	<b>1533: A Co-Verification Interface Design for High-Assurance CPS</b> <i>Yu Zhang, Mengxing Huang, Hao Wang, Wenlong Feng</i>
17:10-17:20	<b>1610: A Estimation Mechanism of the Level of the Service based on Fuzzy Logic in both the Cloud Computing and the Internet of Things</b> <i>Bing Jia, Lifei Hao, and Chuxuan Zhang</i>
17:20-17:30	<b>1647: Indoor Geofence with Multidimensional Self-updating Fingerprint</b> <i>Kun Zhao, Wei Xi, Zhiping Jiang, Zhi Wang, Hui He, Tao Li, Xiaoin Zhang and Jizhong Zhao</i>
17:30-17:40	<b>1651: Segmentation and Recognition of Continuous Human Activity using WiFi</b> <i>Wei Xi, Kun Zhao, Li Zhu, Fei Wang, Zhi Wang, Jizhong Zhao</i>
15:40-17:40	<b>Session A5: Cryptography and Blockchain</b> 15:40-17:40 June 9, 2018, Room: Florida, Howard Johnson New Port Resort Haikou
<b>Session Chair: Mingzhe Liu, Chengdu University of Technology, China</b>	
<b>Qiong Huang, South China Agricultural University, China</b>	
15:40-15:50	<b>404: Provably Secure APK Redevelopment Authorization Scheme in the Standard Model</b> <i>Li Dao-Feng, Luo Ming-Xing, Zhao Bo-Wen, Wang Xiaojun</i>
15:50-16:00	<b>459: Survey and Analysis of Cryptographic Techniques for Privacy Protection in Recommender Systems</b> <i>Taiwo Blessing Ogunseyi and Cheng Yang</i>
16:00-16:10	<b>859: Towards Optimized DFA Attacks on AES Under Multi-Byte Random Fault Model</b> <i>Ruyan Wang, Xiaohan Meng, Yang Li, and Jian Wang</i>
16:10-16:20	<b>966: Framework Design of Financial Service Platform for Tobacco Supply Chain Based on Blockchain</b>



	<i>Huwei Liu, Zeping Li</i>
16:20-16:30	<b>967: Research on Application of Logistics Service Quality Management Based on Blockchain</b> <i>Lili Sun and Zhaochan Li</i>
16:30-16:40	<b>1124: The Study of Stochastic Model about Picking Path under the V-type warehouse layout</b> <i>Li Zhou, Jinlong Wang, Senhao Wang, Ning Cao, Russell Higgs</i>
16:40-16:50	<b>1147: The Study of Stochastic Model about Picking Path under the Fishbone Layout</b> <i>Li Zhou, Lingyao Zhu, Ning Cao, Russell Higgs</i>
16:50-17:00	<b>1440: Distribution of CA-role in Block-chain Systems</b> <i>Yue Fu, Rong Du and Dagang Li</i>
17:00-17:10	<b>1455: Design and Research on B2B Trading Platform Based on Consortium Blockchains</b> <i>Xiaolan Xie, Qiangqing Zheng, Zhihong Guo, Qi Wang and Xinrong Li</i>
17:10-17:20	<b>1573: The Research of Cryptosystem Recognition Based on Randomness Test's Return Value</b> <i>Zhicheng Zhao, Yaqun Zhao and Fengmei Liu</i>
17:20-17:30	<b>1592: Design of Event-Triggered Fault-Tolerant Control for Stochastic Systems with Time-Delays</b> <i>Yi Gao, Yunji Li, Li Peng, and Junyu Liu</i>
17:30-17:40	<b>1689: Threshold Proxy Re-encryption and Its Application in Blockchain</b> <i>Xi Chen, Yun Liu, Yong Li</i>
15:40-17:40	<b>Session A6: Information Hiding II</b> <b>15:40-17:40 June 9, 2018, Room: Missouri, Howard Johnson New Port Resort Haikou</b>
<b>Session Chair: Hongxia Wang, Southwest Jiaotong University, China</b>	
<b>Yuling Liu, Hunan University, China</b>	
15:40-15:50	<b>151: Reversible Data Hiding in Partially-Encrypted Images</b> <i>Haishan Chen, Junying Yuan, Wien Hong, and Jiangqun Ni</i>
15:50-16:00	<b>225: An Improved Reversible Data Hiding Scheme with Large Payload Based on Image Local-Complexity</b> <i>Fang Cao, Yalei Zhang, Bowen An, Heng Yao, and Zhenjun Tang</i>
16:00-16:10	<b>465: RTP Timestamp Steganography Detection Method</b> <i>Wanxia Yang, Shanyu Tang, and Guanping Wang</i>
16:10-16:20	<b>605: High Capacity Data Hiding in Encrypted Image Based on Compressive Sensing for Nonequivalent Resources</b> <i>Di Xiao, Jia Liang, Qingqing Ma, Yanping Xiang</i>
16:20-16:30	<b>873: A Reversible Data Hiding Algorithm Based on Ridge Regression Least Square Prediction</b> <i>Xinchun Cui, Tingting Xu, Xiangwei Zheng, Hong Qiao, Shancang Li, Neal N. Xiong</i>
16:30-16:40	<b>896: A Coverless Information Hiding Algorithm Based on Grayscale Gradient Co-occurrence Matrix</b> <i>Jianbin Wu, Yiwen Liu<sup>1</sup>, Zhenwei Dai, Ziyang Kang, Saman Rahbar, Yanke Jia</i>
16:40-16:50	<b>1082: An Information Hiding Algorithm for HEVC Videos based on PU Partitioning Modes</b> <i>Wenchao Xie, and Zhaohong Li</i>



16:50-17:00	<b>1106: A Steganographic Method Based on the Pulse Code Positions of the G.723.1 Speech Codec</b> <i>Fufang Li, Binbin Li, Naqin Zhou, Lingxi Peng, Wenbin Cheng, Kefu Xu</i>
17:00-17:10	<b>1171: Code Division Multiplexing Based Reversible Data Hiding Scheme for Medical Images</b> <i>Bin Ma, Bing Li, Xiao-Yu Wang, Jian Li, and Yun-Qing Shi</i>
17:10-17:20	<b>1236: Digital Cardan Grille: A Modern Approach for Information Hiding</b> <i>Jia Liu, Tanping Zhou, Zhuo Zhang, Yan Ke, Yu Lei, Mingqing Zhang, Xiaoyuan Yang</i>
17:20-17:30	<b>1248: A Layered Steganography Model Based on User Interactions</b> <i>Gao Quansheng, Wang Kaixi</i>
17:30-17:40	<b>1596: Generative Steganography Based on GANs</b> <i>Mingming Liu, Mingqing Zhang, Jia Liu, Xiaoyuan Yang</i>
15:40-17:40	<b>Session A7: Big Data and Security</b> 15:40-17:40 June 9, 2018, Room: Virginia, Howard Johnson New Port Resort Haikou
<b>Session Chair: Guohua Liu, Donghua University, China</b>	
<b>Guang Sun, Hunan University of Finance and Economics, China</b>	
15:40-15:50	<b>494: A Temporal Collaborative Filtering Algorithm Based on Purchase Cycle</b> <i>Yixuan Chai, Guohua Liu, Zhao Chen, Feng Li, Yue Li, Esther Astaewwa Effah</i>
15:50-16:00	<b>538: Classification Based on A Self-adaptive Fireworks Algorithm</b> <i>Yu Xue, Binping Zhao, and Tinghuai Ma</i>
16:00-16:10	<b>743: Focused Crawler Framework Based on Open Search Engine</b> <i>Jiawei Liu, and Yongfeng Huang</i>
16:10-16:20	<b>1052: Trace Representation of the Sequences Derived from Polynomial Quotient</b> <i>Liping Zhao, Xiaoni Du, and Chenhuang Wu</i>
16:20-16:30	<b>1102: Privacy Preserving for Big Data Based on Fuzzy Set</b> <i>Jun Wu, and Chunzhi Wang</i>
16:30-16:40	<b>1158: MFI-5 Based Similarity Measurement of Business Process Models</b> <i>Zhao Li, Jun Wu, Shuangmei Peng, Peng Chen, Jingsha He, Yiwang Huang and Keqing He</i>
16:40-16:50	<b>1245: A Collective Computing Architecture Supporting Heterogeneous Tasks and Computing Devices</b> <i>Yang Li, Yunlong Zhao<sup>2</sup>, Zhenhua Zhang, Qian Geng, and Ran Wang</i>
16:50-17:00	<b>1246: Multi-task Joint Sparse Representation Classification Based on Fisher Discrimination Dictionary Learning</b> <i>Rui Wang, Yujie Wu, Miaomiao Shen, Yanping Li</i>
17:00-17:10	<b>1326: Research on Big Data Platform Security Strategy Based on Cloud Computing</b> <i>Xiaxia Niu, Yan Zhao</i>
17:10-17:20	<b>1349: GFCache: a Greedy Failure Cache Considering Failure Recency and Failure Frequency for an Erasure-coded Storage System</b> <i>Mingzhu Deng, Fang Liu, Ming Zhao, Zhiguang Chen, and Nong Xiao</i>
17:20-17:30	<b>1434: Clustering Algorithm for Privacy Preservation on MapReduce</b> <i>Zheng Zhao, Tao Shang, Jianwei Liu, and Zhengyu Guan</i>



17:30-17:40	<b>1465: Association Analysis of Firmware Based on NoSQL Database</b> <i>Gongbo Wang, Weiyu Dong, and Rui Chang</i>
15:40-17:40	<b>Session A8: Cyber Security and Privacy</b> 15:40-17:40 June 9, 2018, Room: Alaska, Howard Johnson New Port Resort Haikou
<b>Session Chair: Zhiping Cai, National University of Defense Technology, China</b> <b>Ning Cao, Qingdao Binhai University, China</b>	
15:40-15:50	<b>659: Dynamic-enabled Defense Strategy Base on Improved CVSS for the Home Internet</b> <i>Chunru Zhou, Min Lei, Kunchang Li, Li Xu, Wei Bi</i>
15:50-16:00	<b>733: A Lightweight Graph-based Model for Inter-Networking Access Control</b> <i>Zhongmiao Kang, Wenting Jiang, Yan Chen</i>
16:00-16:10	<b>738: Network Security Situation Assessment Approach Based on Attack-Defense Stochastic Game Model</b> <i>Jianyi Liu, Fangyu Weng, Ru Zhang, Yunbiao Guo</i>
16:10-16:20	<b>893: The Benchmark Performance Testing Method for Cluster Heterogeneous Network Based on STC Platform</b> <i>Junhua Xi, Kouquan Zheng</i>
16:20-16:30	<b>1152: A Novel Golden Models-Free Hardware Trojan Detection Technique Using Unsupervised Clustering Analysis</b> <i>Rongzhen Bian, Mingfu Xue, Jian Wang</i>
16:30-16:40	<b>566: An Evolutionary Computation based Feature Selection Method for Intrusion Detection</b> <i>Yu Xue, Weiwei Jia, Xuejian Zhao, Tinghuai Ma, and Wei Pang</i>
16:40-16:50	<b>1320: Design A New Dual Polarized Antenna Useing Metallic Loop and Annular-Ring Slot</b> <i>Qingyuan Fang, Zhiwei Gao, Shugang Jiang</i>
16:50-17:00	<b>1380: DoS Attacks Intrusion Detection Algorithm Based on Support Vector Machine</b> <i>Lingren Wang, Jingbing Li, Jieren Cheng, Uzair Aslam Bhatti, Qianning Dai</i>
17:00-17:10	<b>1430: Vulnerability Analysis and Spoof Scheme on AoA-based WLAN Location Systems</b> <i>Gang Hu, Lixia Liu</i>
17:10-17:20	<b>1643: DDoS Attack Security Situation Assessment Model using Fusion Feature based on Fuzzy C-means Clustering Algorithm</b> <i>Ruizhi Zhang, Jieren Cheng<sup>1</sup>, Xiangyan Tang</i>
17:20-17:30	<b>1667: DDoS Attack Detection Method Based on Flow Correlation and Random Forest</b> <i>Jieren Cheng, Mengyang Li</i>
17:30-17:40	<b>1686: Adaptive DDoS Attack Detection Method Based on Multiple-Kernel Learning</b> <i>Jieren Cheng, Chen Zhang</i>
13:30-15:30	<b>Session B1: AI and Machine Learning</b> 13:30-15:30 June 10, 2018, Room: Red Wine, Howard Johnson New Port Resort Haikou
<b>Session Chair: Zhaoxia Wang, Institute of High Performance Computing (IHPC), A*STAR, Singapore</b> <b>Leiming Yan, Nanjing University of Information Science and Technology, China</b>	
13:30-13:40	<b>387: Forecasting Model Based on Information-Granulated GA-SVR and ARIMA for Producer Price Index</b>



	<i>Xiangyan Tang and Liang Wang</i>
<b>13:40-13:50</b>	<b>484: Paragraph Vector Representation Based on Word to Vector and CNN Learning</b> <i>Xiong Zeyu, Shen Qiangqian, Wang Yijie</i>
<b>13:50-14:00</b>	<b>525: R2N: A Novel Deep Learning Architecture for Rain Removal from Single Image</b> <i>Yecai Guo, Chen Li, Qi Liu</i>
<b>14:00-14:10</b>	<b>614: Research on Intuitionistic Fuzzy Multiple Output Least Squares Support Vector Regression</b> <i>Dingcheng Wang, Yiyi Lu, Beijing Chen and Liming Chen</i>
<b>14:10-14:20</b>	<b>851: A Novel Convolution Neural Network for Background Segmentation Recognition</b> <i>Wei Fang, Yewen Ding, Feihong Zhang</i>
<b>14:20-14:30</b>	<b>953: Sentiment Classification based on Piecewise Pooling Convolutional Neural Network</b> <i>Yuhong Zhang, Qinqin Wang, Yuling Li, Xindong Wu</i>
<b>14:30-14:40</b>	<b>1344: ADFL: An Improved Algorithm for American Fuzzy Lop in Fuzz Testing</b> <i>Chenxin Wang and Shun Yao Kang</i>
<b>14:40-14:50</b>	<b>1546: A Genetic Algorithm Based Method of Early Warning Rule Mining for Student Performance Prediction</b> <i>Mi Chunqiao, Peng Xiaoning, Cai Zhiping, Deng Qingyou and Zhao Changhua</i>
<b>14:50-15:00</b>	<b>1547: UserProfile-Aware Attention-based Bidirectional Long Short-Term Memory Neural Network for Political Content Detection</b> <i>Yatian Shen, Zhihong Tian</i>
<b>15:00-15:10</b>	<b>1668: Robust Manifold Learning Based Ordinal Discriminative Correlation Regression</b> <i>Qing Tian, Wenqiang Zhang, Liping Wang</i>
<b>15:10-15:20</b>	<b>1673: Power Missing Data Filling Based on Improved k-Means Algorithm and RBF Neural Network</b> <i>Zhan Shi, Xingnan Li and Zhuo Su</i>
<b>15:20-15:30</b>	<b>1677: Power Data Cleaning Method Based on Isolation Forest and LSTM Neural Network</b> <i>Xingnan Li, Yi Cai, WenHong Zhu</i>
<b>13:30-15:30</b>	<b>Session B2: Multimedia Watermark</b> <b>13:30-15:30 June 10, 2018, Room: California, Howard Johnson New Port Resort Haikou</b>
<b>Session Chair: Shijun Xiang, Jinan University, China</b>	
<b>Jinwei Wang, Nanjing University of Information Science and Technology, China</b>	
<b>13:30-13:40</b>	<b>1648: Reversible Natural Language Watermarking Using Synonym Substitution and Arithmetic Coding</b> <i>Lingyun Xiang, Yan Li, Peng Yang, Wei Hao, Feng Li, and Xiaobo Shen</i>
<b>13:40-13:50</b>	<b>183: A Novel Framework of Robust Video Watermarking Based on Statistical Model Classifier</b> <i>Li Li, Xin Li, Tong Qiao, Xiaoyu Xu, Shanqing Zhang, Wengqiang Yuan, and Chin-Chen Chang</i>
<b>13:50-14:00</b>	<b>268: A Color Image Blind Watermarking Technique based on QR Decomposition and Ternary Coding</b> <i>Qingtang Su, Yonghui Liu, Qingjun Wang, Gang Wang</i>





14:00-14:10	<b>628: A Robust Image Watermarking Scheme in DCT Domain Based on Adaptive Texture Direction Quantization</b> <i>Han Fang, Hang Zhou, Weiming Zhang, Nenghai Yu, and Zehua Ma</i>
14:10-14:20	<b>735: A Novel Watermark-based Access Control Model for Digital Imagines</b> <i>Yan Chen, Wenting Jiang, Zhongmiao Kang</i>
14:20-14:30	<b>830: Improvement of STDM Watermarking Algorithm Based on Watson Model</b> <i>Wenting Jiang, Zhongmiao Kang and Yan Chen</i>
14:30-14:40	<b>1188: Contourlet-DCT Based Multiple Robust Watermarkings For Medical Image</b> <i>Xiaoqi Wu, Jingbing Li, Rong Tu, Jieren Cheng, Uzair Aslam Bhatti, Jixin Ma</i>
14:40-14:50	<b>1302: Robust H.264/AVC Video Watermarking Without Intra Distortion Drift</b> <i>Yue Li, Hong-Xia Wang</i>
14:50-15:00	<b>1351: A Comprehensive Analysis of Interval Based Network Flow Watermarking</b> <i>Jin Shi, Li Zhang, Shuijun Yin, Weiwei Liu, Jiangtao Zhai, Guangjie Liu, and Yuewei Dai</i>
15:00-15:10	<b>1383: Medical Image Watermarking based on SIFT-DCT Perceptual Hashing</b> <i>Jialing Liu, Jingbing Li, Jing Chen, Xiangxi Zou, Jieren Cheng, and Jing Liu</i>
15:10-15:20	<b>1516: Watermark Embedding for Direct Binary Searched Halftone Images by Adopting Visual Cryptography</b> <i>Wang Yangyang, Ni Rongrong, and Zhao Yao</i>
15:20-15:30	<b>1595: A Robust Rotation-Invariant Image Watermarking Scheme</b> <i>Yonghong Zhang, Peijia Zheng, and Jianting Guo</i>
13:30-15:30	<b>Session B3: IoT and Security I</b> <b>13:30-15:30 June 10, 2018, Room: Florida, Howard Johnson New Port Resort Haikou</b>
<b>Session Chair: Guofu Li, University of Shanghai for Science and Technology, China</b>	
<b>Qi Liu, Nanjing University of Information Science and Technology, China</b>	
13:30-13:40	<b>141: Correlation Analysis of Alarm Data Based on Fuzzy Rule in Power Network</b> <i>Wenting Jiang, Yan Chen and Yingqian Liao</i>
13:40-13:50	<b>495: An Accurate Real-Time Pedestrian Tracking Algorithm</b> <i>Yuan Shen, Shunfeng Guo, Zhenhua Guo, Youbin Chen</i>
13:50-14:00	<b>553: A Unified Connectivity Framework for Integrating Heterogeneous Sensor Networks into Sensor Clouds</b> <i>Bei Zuo and Ruidan Su</i>
14:00-14:10	<b>575: New Method for Computer Identification through Electromagnetic Radiation</b> <i>Jun Shi, Zhujun Zhang, Yangyang Li, Rui Wang, Hao Shi and Xile Li</i>
14:10-14:20	<b>595: Research on Nonballasted-track Bed Lifting System Based on Wireless Hydrostatic Leveling Technology</b> <i>Chan Wang, Xiaojun Liu, Yuehui Ma, KaiTao</i>
14:20-14:30	<b>648: Accurate UHF Tag Authentication using Near-Field Capabilities</b> <i>Cui Zhao, Han Ding, Kaiyan Cui, Fan Liang</i>
14:30-14:40	<b>656: New Multi-Keyword Ciphertext Search Method for Sensor Network Cloud Platform</b> <i>Lixia Xie, Ziyang Wang, Yue Wang, Hongyu Yang, and Jiyong Zhang</i>
14:40-14:50	<b>941: Architecture and Parameter Analysis to Convolutional Neural Network for Hand Tracking</b>



	<i>Hui Zhou, Minghao Yang, Hang Pan, Renjun Tang, Baohua Qiang, Jinlong Chen, and Jianhua Tao</i>
<b>14:50-15:00</b>	<b>977: Threats and Coping Strategies under the IOT</b> <i>Zeping Li, Xiaxia Niu</i>
<b>15:00-15:10</b>	<b>1062: Research on Drugregulation Mode in the Age of the Internet of Things</b> <i>Yan Zhao, Huwei Liu</i>
<b>15:10-15:20</b>	<b>1104: Optimal Resource Allocation for Underlay Cognitive Radio Networks</b> <i>Xiaoli He, Hong Jiang, Yu Song, Ralf Volker Binsack, He Xiao</i>
<b>15:20-15:30</b>	<b>1175: Truthful Combinatorial Auctions for Privacy-Aware Service Subscription in People-centric Sensing</b> <i>Shan Li, Kun Zhu, Ran Wang, Lei Lei, and Yue Cao</i>
<b>13:30-15:30</b>	<b>Session B4: IoT and Security II</b> <b>13:30-15:30 June 10, 2018, Room: Missouri, Howard Johnson New Port Resort Haikou</b>
	<b>Session Chair: Qing Yang, University of North Texas, USA</b> <b>Jin Wang, Changsha University of Science and Technology, China</b>
<b>13:30-13:40</b>	<b>1208: A BLF Generation Scheme with Clock Variance-tolerance for Baseband Processor of EPC Gen2 UHF RFID Tag</b> <i>Liangbo Xie, Wei Nie, Xiaolong Yang, Yong Wang and Mu Zhou</i>
<b>13:40-13:50</b>	<b>1225: SafeMP: Using Mechanical Wave Communication for Safer Payment</b> <i>Ruilin Li, Yinghao Lian, Sheng Tang, Jinping Niu, Feng Chen, Tianzhang Xing, Chen Liu</i>
<b>13:50-14:00</b>	<b>1299: A New Malicious Node Detection Model Based on Improved LEACH Protocol</b> <i>Hongyu Yang, Yue Han, Fang Cheng</i>
<b>14:00-14:10</b>	<b>1371: acSB: Anti-Collision Selective-based Broadcast Protocol in CR-AdHocs</b> <i>Yueyue Li, Zhong Huang, Yugang Ma, and Guangjun Wen</i>
<b>14:10-14:20</b>	<b>1381: Energy Efficient Smart Irrigation System Based on 6LoWPAN</b> <i>Xiawei Jiang, Weidong Yi, Yongrui Chen, and Hao He</i>
<b>14:20-14:30</b>	<b>1487: Developing a New Security Framework for Bluetooth Low Energy Devices</b> <i>Qiaoyang Zhang and Zhiyao Liang</i>
<b>14:30-14:40</b>	<b>1503: Research on Real-Time Monitoring of Human Body Temperature based on Fiber Bragg Grating Sensing Technology</b> <i>Bin Ma, Yecheng Sun</i>
<b>14:40-14:50</b>	<b>1521: An Adaptive Construction Test Method Based on Geometric Calculation for Linearly Separable Problems</b> <i>Shuiming Zhong, Xiaoxiang Lu, Meng Li, Chengguang Liu, Yong Cheng and Victor S. Sheng</i>
<b>14:50-15:00</b>	<b>1528: Modeling and Analysis of a Hybrid Authentication Protocol for VANET</b> <i>Yang Xu, Ziwang Wang, Huanguo Zhang, Xiaoyao Xie</i>
<b>15:00-15:10</b>	<b>1572: Research on Energy Balance Data Fusion Algorithm based on Compressed Sensing in Wireless Sensor Networks</b> <i>Yong Cheng, Jun Wang, Jian Shen, Shuqiang Ji, Ling Yang</i>
<b>15:10-15:20</b>	<b>1628: Security Verification for Rateless Codes Over-the-Air Programming</b> <i>Hao He, Weidong Yi, Yongrui Chen, Xiawei Jiang</i>



15:20-15:30	<b>1687: TBPA: TESLA-Based Privacy-Preserving Authentication Scheme for Vehicular Ad Hoc Networks</b> <i>Li Xincheng, Liu Yali, Yin Xinchun</i>
13:30-15:30	<b>Session B5: Quantum and Social Networks</b> 13:30-15:30 June 10, 2018, Room: Virginia, Howard Johnson New Port Resort Haikou
<b>Session Chair: Wei Wang, Institute of Automation, Chinese Academy of Sciences</b> <b>Wenjie Liu, Nanjing University of Information Science and Technology, China</b>	
13:30-13:40	<b>627: Analysis and Improvement of Quantum Steganography Protocol Based on Bell States in Quantum Noise Environment</b> <i>Zhiguo Qu, Shengyao Wu, and Mingming Wang</i>
13:40-13:50	<b>768: Rational Non-hierarchical Quantum State Sharing Protocol</b> <i>Zhao Dou, Gang Xu, Xiu-Bo Chen, Jian Li and Mosayeb Naseri</i>
13:50-14:00	<b>801: A novel quantum steganography protocol based on Brown states</b> <i>Zhiguo Qu, Tiancheng Zhu, Jinwei Wang</i>
14:00-14:10	<b>825: A Memory-efficient Simulation Method of Grover's Search Algorithm</b> <i>Xuwei Tang, Juan Xu, and Bojia Duan</i>
14:10-14:20	<b>581: Facebook5K: A Novel Evaluation Resource Dataset for Cross-Media Search</b> <i>Sadaqat ur Rehman, Yuting Hu, Yongfeng Huang, Obaid ur Rehman, and Shanshan Tu</i>
14:20-14:30	<b>1288: Seed Selection for Data Offloading Based on Social and Interest Graphs</b> <i>Ying Li, Jianbo Li, Jianwei Chen, Minchao Lu, and Caoyuan Li</i>
14:30-14:40	<b>1576: The Location Privacy Preserving of Social Network based on RCCAM Access Control</b> <i>Xueqin Zhang, Qianru Zhou and Chunhua Gu</i>
14:40-14:50	<b>1600: A Deep Forest-based Approach for Online Transaction Fraud Detection</b> <i>Zhaohui Zhang, Lizhi Wang, Xiaobo Zhang, Xinxin Zhou, Pengwei Wang, Yongjun Zheng</i>
13:30-15:30	<b>Session B6: Software, Software-Defined Networking and Security</b> 13:30-15:30 June 10, 2018, Room: Alaska, Howard Johnson New Port Resort Haikou
<b>Session Chair: Jiangyuan Yao, Hainan University, China</b> <b>Xiaorui Zhang, Nanjing University of Information Science and Technology, China</b>	
13:30-13:40	<b>496: Updating Software Reliability Test Cases Generation Using Temporal Motifs Recovery and Configuration</b> <i>Xuetao Tian, Feng Liu, and Honghui Li</i>
13:40-13:50	<b>599: A Multi-Controller Load Balancing Strategy for Software Defined WiFi Networks</b> <i>Sohaib Manzoor, Xiaojun Hei and Wenqing Cheng</i>
13:50-14:00	<b>603: The effect of financial policy on the Sci-tech Innovation —A empirical analysis based on SVAR model</b> <i>Ruiya He</i>
14:00-14:10	<b>657: Exploration for Software Mitigation to Spectre Attacks of Poisoning Indirect Branches</b> <i>Baozi Chen, Qingbo Wu, Yusong Tan, Liu Yang and Peng Zou</i>
14:10-14:20	<b>661: Event-based Anomaly Detection for Non-public Industrial Communication Protocols in SDN-based Control Systems</b> <i>Ming Wan, Jiangyuan Yao, and Yuan Jing</i>



14:20-14:30	<b>822: Surface Correction by Quadratic Quasi-Uniform B-Spline with Multi-Parameter</b> <i>Ya-ting Xue, Yao-jie Chen, and Min Jiang</i>
14:30-14:40	<b>1013: Cloud Security Solution Based on Software Defined Network</b> <i>Zhaochan Li and Jinlong Wang</i>
14:40-14:50	<b>1329: Mass Discovery of Android Malware Behavioral Characteristics for Detection Consideration</b> <i>Xin Su, Weiqi Shi, Jiuchuan Lin, and Xin Wang</i>

**Poster Session**

11:00-11:15	<b>Session I</b> 11:00-11:15 June 9, 2018, Room: Lobby of Howard Johnson New Port Resort Haikou
<b>Session Chair: Xianyi Chen, Nanjing University of Information Science and Technology, China</b>	
1	<b>105: Unified Quantum No-Go Theorems of Pure States</b> <i>Hui-Ran Li, Ming-Xing Luo, Hong Lai</i>
2	<b>129: Investigation of The Short-Time Photodissociation Dynamics of Furfural In S2 State by Resonance Raman And Quantum Chemistry Calculations</b> <i>Kemei Pei, Yueben Dong, Lei Chen</i>
3	<b>166: Steganography by Constructing Marbling Texture</b> <i>Zhenxing Qian, Lin Pan, Sheng Li, Xinpeng Zhang</i>
4	<b>184: Signal Subtle Feature Extraction Algorithm Based on Improved Fractal Box-Counting Dimension</b> <i>Xiang Chen, Jingchao Li, Hui Han</i>
5	<b>185: An Optimized Resolution Coefficient Algorithm of Gray Relation Classifier</b> <i>Hui Han, Yulong Ying, Xiang Chen</i>
6	<b>195: Railway Passenger Volume Forecast Based on Web Search Terms and Adversarial Nets</b> <i>Wan Li and Fenling Feng</i>
7	<b>200: The New Progress in The Research of Software Vulnerability Automatic Exploits</b> <i>Tiantian Tan, Baosheng Wang, Xu Zhou, Yong Tang</i>
8	<b>206: Roles of Anchor Trust and Platform Trust in Live-Streaming Consumers' Propensity: An Extended TAM Model</b> <i>Zhang Guozheng, Li Donghui, Xu Zeng, Lan Yong, Shi Yongdong, Zhiping Cai</i>
9	<b>222: Analysis of Two Session Key Agreement Protocols Based IBE Framework</b> <i>Chuanlong Yin</i>
10	<b>223: An Improved Iot Notion-Based Authentication and Key Agreement Protocol for Heterogenous Ad Hoc Wireless Sensor Network</b> <i>Yuxia Zhang, Xin Zhang, and Fengtong Wen</i>
11	<b>236: Time Optimization of Multiple Knowledge Transfer in The Big Data Environment</b> <i>Chuanrong Wu, Evgeniya Zapevalova, Yingwu Chen and Feng Li</i>
12	<b>242: A New Provably Secure Identity-Based Multi-Proxy Signature Scheme</b> <i>Qunshan Chen, Zhenjie Huang, Yuping Zhou, Chenhuang Wu</i>
13	<b>243: Verifiable diversity ranking search over encrypted Outsourced data</b>



	<i>Yuing Liu, Hua Peng</i>
14	<b>266: Phishing Detection with Image Retrieval Based on Improved Texton Correlation Descriptor</b> <i>Lin Guoyuan, Liu Bowen, Xiao Pengcheng, Lei Min and Bi Wei</i>
15	<b>280: Optimization Model of Knowledge Transfer at Different Time Points in The Big Data Environment</b> <i>Chuanrong Wu, Evgeniya Zapevalova, Yingwu Chen and Deming Zeng</i>
16	<b>284: Fault Diagnosis of Motor in Frequency Domain Signal by Stacked De-Noising Auto-Encoder</b> <i>ZHAO Xiao-ping, WU Jia-xin, ZHANG Yong-hong, WANG Li-hua</i>
17	<b>306: Trfiot: Trust and Reputation Model For Fog-Based Iot</b> <i>Yasir Hussain, Huang Zhiqiu</i>
18	<b>339: Reversible Data Embedding and Scrambling Method Based on JPEG Images</b> <i>Yi Puyang, Zhaoxia Yin, Xinpeng Zhang</i>
19	<b>353: An Improved Distributed Pca-Based Outlier Detection In Wireless Sensor Network</b> <i>Wentian Zheng, Lijun Yang, Wu Meng</i>
20	<b>366: The Assessment Research of Communication Jamming Effect Based on Grey Relational Analysis</b> <i>Ruowu Wu, Sen Wang, Hui Han, Xiang Chen, Xuhong Yin, Yun Lin</i>
21	<b>367: Research on The Signal Reconstruction of The Phased Array Structural Health Monitoring Based Using the Basis Pursuit Algorithm</b> <i>Yajie Sun, Yanqing Yuan, Qi Wang, Lihua Wang, Enlu Li, Li Qiao</i>
22	<b>370: Identifying Influential Spreaders by Temporal Efficiency Centrality in Temporal Network</b> <i>Kai Xue and Junyi Wang</i>
23	<b>378: Perceptual Image Hashing Using Rotation Invariant Uniform Local Binary Patterns and Color Feature</b> <i>Siwei Li, Yong Luo, Ming Xia, Dengyong Zhang, and Gaobo Yang</i>
24	<b>385: Longshort-Termtrafficflowpredictionusingimprovedlstmnetwork Performanceunderbigdata</b> <i>Boyi Liu, JierenCheng, XiangyanTang, Qiang Liu, JingChen, JianyingXu</i>
25	<b>402: Video Quality Assessment Algorithm Based on Persistence-Of-Vision Effect</b> <i>Pai Liu, Fenlin Liu, Daofu Gong</i>
26	<b>408: A CP-ABE Access Control Scheme Based on Proxy Reencryption in Cloud Storage</b> <i>Haiyong WANG and Yao PENG</i>
27	<b>409: Research on Syndrome Classification and Risk Factors Extraction of Tibetan Medicine Based on Clustering</b> <i>Chaoyi Liu, Lei Zhang, Lu Wang, Xiaolan Zhu and Xiaoying Wang</i>
28	<b>424: Perfect Quantum Teleportation Via Bell States</b> <i>Xiaoqing Tan, Xiaochun Li, Pei Yang</i>
29	<b>428: Snow Cover Mapping for Mountainous Areas by Fusion of MODIS L1B And Geographic Data Based on Stacked Denoising Auto-Encoders</b>



	<i>Xi Kan, Yonghong Zhang, Linglong Zhu, Liming Xiao, Jiangeng Wang and Wei Tian</i>
30	<b>432: Serialization of Lifecycles in ACBP Model as Regular Expressions</b> <i>Junbao Zhang, Guohua Liu, and Zhao Chen</i>
31	<b>443: Controlled Cyclic Remote State Preparation of Arbitrary Qubit States</b> <i>Ming-Ming Wang, Chen Yang and Zhi-Guo Qu</i>
32	<b>444: Improved Quantum Secret Sharing Scheme Based on GHZ States</b> <i>Ming-Ming Wang and Zhi-Guo Qu</i>
33	<b>448: Waveband Selection with Equivalent Prediction Performance For FTIR/ATR Spectroscopic Analysis of COD in Sugar Refinery Waste Water</b> <i>Jun Xie, Dapeng Sun, Jiayang Cai and Fuhong Cai</i>
34	<b>451: An Abnormal Network Flow Feature Sequence Prediction Approach for Ddos Attacks Detection in Bigdata Environment</b> <i>Jieren Cheng, Ruomeng Xu, Xiangyan Tang, Xingming Sun, Qiang Liu</i>
35	<b>460: Learning Sparse Representation with Variational Auto-Encoder For Anomaly Detection</b> <i>Jiayu Sun, Xinzhou Wang, Naixue Xiong and Jie Shao</i>
36	<b>471: Early Stage of Oxidation on Titanium Surface by Reactive Molecular Dynamics Simulation</b> <i>Liang Yang, C. Z. Wang, Shiwei Lin, Yang Cao, Xiaoheng Liu</i>
37	<b>483: Network Public Opinion Emotion Classification Based on Joint Deep Neural Network</b> <i>Xiaoling Xia, Wenjie Wang, Guohua Yang</i>
38	<b>497: A New NTRU-Type Public-Key Cryptosystem Over the Binary Field</b> <i>Youyu Gu, Chunsheng Gu, Xiongwei Xie</i>
39	<b>504: A Distributed LRTCO Algorithm in Large-Scale DVE Systems</b> <i>Hangjun Zhou, Guang Sun, Sha Fu, Wangdong Jiang and Bo Yang</i>
40	<b>512: Circular-Secure Analysis on Matrix GSW-FHE And Optimizing Bootstrapping</b> <i>Xiufeng Zhao, Hefeng Mao, Shuai Liu, Weitao Song</i>
41	<b>521: Cross-Modal Retrieval Based on Optimized Matrix Factorization Hashing</b> <i>Wei WU, Xiaoyuan JING, Chuan TIAN, Jiezhao ZHONG, Lixin LIU and Xinghui CAO</i>
42	<b>532: Blockchain-Based Trusted Electronic Records Preservation in Cloud Storage</b> <i>Yongjun Ren, Yepeng Liu, Zixuan Shen, Jin Wang, Hye-Jin Kim</i>
43	<b>542: Research on Building Energy Consumption Acquisition System Based on Configuration</b> <i>Qinghao Zeng, Jinlong Chen</i>
44	<b>544: Research on Energy Consumption Audit and Intelligent Decision of Green Buildings</b> <i>Xianjun Chen, Mengke Jiang, and Kun Xie</i>
45	<b>545: Real-Timevisualtrackingwithcompactshapeand Colorfeature</b> <i>Zhenguo Gao, Shixiong Xia, Yikun Zhang, Rui Yao, Jiaqi Zhao, Qiang Niu</i>
46	<b>550: Security Solution for Real-Time Data Access in Wireless Sensor Networks</b> <i>Hanguang Luo, Guangjun Wen and Jian Su</i>
47	<b>556: Malware Collusion Attack Against Machine Learning Based Methods: Issues and Countermeasures</b> <i>Hongyi Chen, Jinshu Su, Linbo Qiao, Yi Zhang and Qin Xin</i>





48	<b>557: A New Fully Homomorphic Encryption Scheme on Batch Technique</b> <i>Mengtian Li and Bin Hu</i>
49	<b>560: Optimization Algorithm for Freight Car Transportation Scheduling Optimization Based on Process Scheduling Optimization</b> <i>Changchun Dong and Liang Zhou</i>
50	<b>572: Density-Functional Calculations of The Crystal Structure, Magnetic and Electronic Properties of Transition Metal Doped SrRuO<sub>3</sub></b> <i>Lu Wang, Qing-Fang Li, Cui-Hong Yang and Hong-Yan Wu</i>
51	<b>576: The Design and Implementation of Web System Based on Blockchain</b> <i>Ting Xiao and Yongfeng Huang</i>
15:30-15:45	<b>Session II</b> 15:30-15:45 June 9, 2018, Room: Lobby of Howard Johnson New Port Resort Haikou
<b>Session Chair: Jian Su, Nanjing University of Information Science and Technology, China</b>	
52	<b>589: An Improved Permission Management Scheme of Android Application Based on Machine Learning</b> <i>Shaozhang Niu, Ruqiang Huang, Wenbo Chen and Yiming Xue</i>
53	<b>590: Perceptual Gradient Similarity Deviation for Full Reference Image Quality Assessment</b> <i>Manyu Jin and Zexuan Ji</i>
54	<b>593: AAC Audio Compression Detection Based on QMDCT Coefficient</b> <i>HUANG Qijuan, WANG Rangding, YAN Diqun, ZHANG Jian</i>
55	<b>600: Market-Oriented Multi-Agent Sequential Decision Making for Cloud Service Composition</b> <i>Le Sun, Jinyuan He, Le Sun and Jinyuan He</i>
56	<b>602: Quantum Private Comparison Based on Delegating Quantum Computation</b> <i>Haibin Wang, Daomeng Pan, Wenjie Liu</i>
57	<b>610: Privacy-Preserving Public Auditing Protocol with Resistant Key Exposure</b> <i>Jianhong Zhang, Zhentao Jiang and Wenle Bai</i>
58	<b>613: Server-Aided Multi-Secret Sharing Scheme for Weak Computational Devices</b> <i>En Zhang, Xin Tao Duan, Siu-Ming Yiu, Jun-bin Fang, Zoe L. Jiang and Jie Peng</i>
59	<b>635: A Kind of Agricultural Content Networking Information Fusion Method Based on Ontology</b> <i>Donghui Li, Shengcong, Xiaopeng Dai</i>
60	<b>661: Event-Based Anomaly Detection for Non-Public Industrial Communication Protocols in SDN-Based Control Systems</b> <i>Ming Wan, Jiangyuan Yao, and Yuan Jing</i>
61	<b>666: Digital Continuity Guarantee of Electronic Record Based on Data Usability in Big Data Environment</b> <i>Jiang Xu, Jian Zhang, Yongjun Ren, Hye-Jin Kim</i>
62	<b>668: Inverted XML Access Control Model Based on Ontology Semantic Dependency</b> <i>Meijuan Wang, Jian Wang, Lihong Guo, Lein Harn</i>
63	<b>685: Monitoring of Root Privilege Escalation in Android Kernel</b> <i>Xueli Hu, Qi Xi and Zhenxing Wang</i>



64	<b>701: A Novel Quantum Image Steganography Algorithm Based on Exploiting Modification Direction</b> <i>Zhiguo Qu, Zhenwen Cheng, Wenjie Liu and Xiaojun Wang</i>
65	<b>718: Hyper-Graph Regularized Multi-View Matrix Factorization for Vehicle Identification</b> <i>Bin Qian, Xiaobo Shen, Zhenqiu Shu, Xiguang Gu, Jin Huang, Jiabin Hu</i>
66	<b>724: Reliable Medical Recommendation Based on Privacy-Preserving Collaborative Filtering</b> <i>Mengwei Hou<sup>1</sup>, Rong Wei, Lin Fan, Xinran Liu</i>
67	<b>726: Rare Bird Sparse Recognition Via Part-Based Gist Feature Fusion and Regularized Intra-class Dictionary Learning</b> <i>Ji-xin Liu, Xiao-fei Li, Ning Sun, Guang Han, Hai-gen Yang, Quan-sen Sun</i>
68	<b>736: Semi-Supervised Learning with Generative Adversarial Networks on Digital Signal Modulation Classification</b> <i>Ya Tu, Yun Lin, Ting Su, R. Simon Sherratt, Jin Wang</i>
69	<b>761: Research on Two-Factor Identity Authentication System Based on Smart Phone and User Password</b> <i>Lin Hou, Laiwen Wei, Chen Wang, Andi Wang and Jian Xu</i>
70	<b>778: Centroid Location Technology Based on Fuzzy Clustering and Data Consistency</b> <i>Shanliang Xue, Mengying Li and Peiru Yang</i>
71	<b>783: Linked-Behaviors Profiling in Iot Networks Using Network Connection Graphs (Ncgs)</b> <i>Hangyu Hu, Xuemeng Zhai, Mingda Wang and Guangmin Hu</i>
72	<b>791: Fast Three-Phase Fabric Defect Detection</b> <i>Jielin Jiang, Yan Cui, Zilong Jin and Chunnian Fan</i>
73	<b>795: Research on Real-Time Storage Technology of UAV Freight Stream Data</b> <i>Xiao Long, Liang Zhou and Hongyuan Zheng</i>
74	<b>814: A Novel Multi-Hop Algorithm for Wireless Network with Unevenly Distributed Nodes</b> <i>Yu Liu, Rulin Dou, Xiaoyong Yan, Guangchi Liu and Bo Hu</i>
75	<b>815: Detection of Android Applications with Malicious Behavior Based on Sparse Bayesian Learning Algorithm</b> <i>Ning Liu, Min Yang, Hang Zhang, Chen Yang, Yang Zhao, Jianchao Gan and Shibin Zhang</i>
76	<b>852: Classification of Car Scratch Types Based on Optimized BP Neural Network</b> <i>Xing Zhang and Liang Zhou</i>
77	<b>853: Expression Preserved Face Privacy Protection Based on Multi-Mode Discriminant Analysis</b> <i>Xiang Wang, Chen Xiong, Qingqi Pei</i>
78	<b>858: Adaptive Robust Reversible Watermarking Scheme</b> <i>Xiang Wang, Tianze Shu, Min Xie, Qingqi Pei</i>
79	<b>861: Videochain: Trusted Video Surveillance Based on Blockchain For Campus</b> <i>Mingda Liu, Jing Shang, Peng Liu, Yijuan Shi, Mian Wang</i>
80	<b>875: A Robust Recoverable Algorithm Used for Digital Speech Forensics Based on DCT</b> <i>Zhenghui Liu, Yanli Li, Fang Sun, Junjie He, Chuanda Qi, Da Luo</i>
81	<b>882: Design of Dry-Type Transformer Temperature Controller Based on Internet of Things</b> <i>Yan Leng, Jian Qi, Yepeng Liu, Fujian Zhu</i>
82	<b>883: A Dynamic Network Change Detection Method Using Network Embedding</b> <i>Tong Sun, Yan Liu</i>



83	<b>889: Traffic Sign Recognition Method Integrating Multi-Layer Features and Kernel Extreme Learning Machine Classifier</b> <i>Wei Sun, Hongji Du, Xiaorui Zhang and Xiaozheng He</i>
84	<b>890: Natural Language Semantic Construction Based on Cloud Database</b> <i>Suzhen Wang and Lu Zhang and Yanpiao Zhang and Jieli Sun and Chaoyi Pang</i>
85	<b>895: Research on Personalized Recommendation Case Base and Data Source Based on Case-Based Reasoning</b> <i>Jieli Sun and Zhiqing Zhu and Yanpiao Zhang and Yanxia Zhao and Yao Zhai</i>
86	<b>899: An optimized labeling scheme for reachability queries</b> <i>XianTang, ZiyangChen, HaiyanZhang, XiangLiu and YunyuShi</i>
87	<b>904: Simulation Research on Safe Operation of UAV Non-Isolated Airspace</b> <i>Zhang Zhaoyue, Tang Jianxun, Xianglong Zhou, Jing Yang</i>
88	<b>913: Resource Allocation Based on Reverse Auction Algorithm in Edge Computing Environment</b> <i>Xinfeng Zhu, Zhihao Zhang, Guohai Wang</i>
89	<b>916: A Secure Revocable Identity-Based Proxy Re-Encryption Scheme for Cloud Storage</b> <i>Wei Luo and Wenping Ma</i>
90	<b>922: An Evolutionary Algorithm Based on Multi-View and Prior Information for Community Detection</b> <i>Xiaofeng Ma, Xiaofeng Song, Chao Fan and Xi Wang</i>
91	<b>924: A Robust Algorithm of Encrypted Face Recognition Based on Dwt-Dct And Tent Map</b> <i>Tong Xiao, Jingbing Li, Jing Liu, Jieren Cheng, Uzair Aslam Bhatti</i>
92	<b>929: Research of Tool State Recognition Based on Ceemd-Wpt</b> <i>Runzhe Tao and Yonghong Zhang</i>
93	<b>930: A Modified Dai-Yuan Conjugate Gradient Algorithm for Large-Scale Optimization Problems</b> <i>Gonglin Yuan, Tingting Li</i>
94	<b>940: Survey on IMD And Wearable Devices Security Threats and Protection Methods</b> <i>Jiaping Yu and HOU Bingnan</i>
95	<b>945: A Tag-Based Protection Method for Multi-Tenant Data Security</b> <i>Xin Lu, Lifeng Cao, Xuehui Du and Zhiyan Hu</i>
96	<b>949: A Dominance-Based Constrained Optimization Evolutionary Algorithm for the 4-Th Tensor Power Problem of Matrix Multiplication</b> <i>Langping Tang, Yuren Zhou and Zefeng Chen</i>
97	<b>955: A Web Application Runtime Application Self-Protection Scheme Against Script Injection Attacks</b> <i>Zhongxu Yin, Zhufeng Li, Yan Cao</i>
98	<b>994: Accurate Moving Distance Estimation Via Multimodal Fusion from IMU Sensors and Wifi Signal</b> <i>Jing Xu, Hongyan Qian and Yanchao Zhao</i>
99	<b>1009: Design and Development of Wheat Production Information Management System Based on Internet of Things</b> <i>Ziqing Zhang, Pingzeng Liu</i>



100	<b>1016: Network Attack Prediction Method Based on Threat Intelligence</b> <i>Junshe Wang, Yuzi Yi, Hongbin Zhang and Ning Cao</i>
101	<b>1023: Ekrnn: A Knn Privacy Preserving Query Algorithm Based on Circular Region Extension</b> <i>Honghao Zhou, Tinghuai Ma, Jing Jia, Yuan Tian, Mznah Al-Rodhaan</i>
102	<b>1024: GA-BP Air Quality Evaluation Method Based on Fuzzy Theory</b> <i>Ma Ning, Jianhe Guan, Pingzeng Liu, Ziqing Zhang, Gregory M.P. O'Hare</i>
103	<b>1034: Defining Embedding Distortion for Intra Prediction Mode-Based Video Steganography</b> <i>Qiankai Nie, Jian Weng, Xuba xu and Bingwen Feng</i>
10:10-10:25	<b>Session III</b> <b>10:10-10:25 June 10, 2018, Room: Lobby of Howard Johnson New Port Resort Haikou</b>
<b>Session Chair: Guoqing Zhang, Nanjing University of Information Science and Technology, China</b>	
104	<b>1036: Fast Detection of Heavy Hitters in Software Defined Networking Using an Adaptive and Learning Method</b> <i>Zhiliang Wang, and Changping Zhou, Yang Yu, Xingang Shi, Xia Yin and Jiangyuan Yao</i>
105	<b>1041: Based nn Data Analysis and JC Retrofit Scheme of Dam Risk Function and The Simulation Experiment</b> <i>Chao Zhang and JunmeiWang</i>
106	<b>1047: A Navigation System for Small-Sized Autonomous Underwater Vehicle</b> <i>Changsong Yang, Yuanjuan Wang and Qi Wang</i>
107	<b>1065: Recaptured Image Detection Through Enhanced Residual-Based Correlation Coefficients</b> <i>Nan Zhu and Zhao Li</i>
108	<b>1069: An Immunity-Based Security Threat Detection System for Cyberspace Digital Virtual Assets</b> <i>Ping Lin, Tao Li, Xiaojie Liu, Hui Zhao, Jin Yang and Fangdong</i>
109	<b>1071: Privacy-Preserving Sorting Algorithms Based on Logistic Map for Clouds</b> <i>Hua Dai, Hui Ren, Zhiye Chen, Xun Yi and Geng Yang</i>
110	<b>1076: A Real-Time Correlation of Host-Level Events in Cyber Range Service for Smart Campus</b> <i>Zhihong Tian, Yu Cui, Lun An, Shen Su, Xiaoxia Yin, Lihua Yin and Xiang Cui</i>
111	<b>1091: Dynamical Interaction Between Information and Disease Spreading in Populations of Moving Agents</b> <i>Ling-Ling Xia, Bo Song, Zheng-Jun Jing, Yu-Rong Song and Liang Zhang</i>
112	<b>1096: Rumor Spreading Model Considering Rumor's Attraction in Heterogeneous Social Networks</b> <i>Ling-Ling Xia, Bo Song and Liang Zhang</i>
113	<b>1112: A Novel Nonlinear Multi-Feature Fusion Algorithm: Multiple Kernel Multiset Integrated Canonical Correlation Analysis</b> <i>Jing Yang, Liya Fan, Quansen Sun and Yuhua Fan</i>
114	<b>1118: Energy-Efficient Cloud Task Scheduling Research Based on Immunity-Ant Colony Algorithm</b> <i>Jianhong Zhai, Xini Liu and Hongli Zhang</i>



115	<b>1125: Adversarial Learning for Distant Supervised Relation Extraction</b> <i>DaojianZeng, YuanDai, FengLi, R. SimonSherratt, JinWang</i>
116	<b>1131: A Cooperative Spectrum Sensing Method Based on Clustering Algorithm and Signal Feature</b> <i>Shunchao Zhang, Yonghua Wang, Pin Wan, Yongwei Zhang and Xingcheng Li</i>
117	<b>1138: A Cooperative Spectrum Sensing Method Based on Signal Decomposition and K-Medoids Algorithm</b> <i>Yonghua Wang, Shunchao Zhang, Yongwei Zhang, Pin Wan and Zi Ding</i>
118	<b>1139: A Privacy Preserving Scheme for Nearest Neighbor Query</b> <i>Yuhang Wang, Hongli Zhang, Zhihong Tian and Shen Su</i>
119	<b>1140: A Spectrum Sensing Method Based on Null Space Pursuit Algorithm and FCM Clustering Algorithm</b> <i>Yongwei Zhang, Yonghua Wang, Pin Wan, Shunchao Zhang and Nan Li</i>
120	<b>1161: Application of Self-Organizing Feature Map Neural Network Based On K-Means Clustering In Network Intrusion Detection</b> <i>Xia Jingming, Li Chong and Tan Ling</i>
121	<b>1163: A Hash-Based Public Key Cryptosystem</b> <i>Qian Yin and Gang Luo</i>
123	<b>1172: A Novel Detection Method for Word-Based DGA</b> <i>Luhui Yang, Guangjie Liu, Jiangtao Zhai, Yuwei Dai, Zhaozhi Yan, Yuguang Zou and Wenchao Huang</i>
124	<b>1174: Slide: An Efficient Secure Linguistic Steganography Detection Protocol</b> <i>Linghao Zhang, Sheng Wang, Wei Gan, Chao Tang, Jie Zhang and Huihui Liang</i>
125	<b>1178: A Biometrics-Based Remote User Authentication Scheme Using Smart Cards</b> <i>Jianming Cui, Rongquan Sui, Xiaojun Zhang, Hengzhong Li and Ning Cao</i>
126	<b>1218: Study on The Internet of Things from Applications to Security Issues</b> <i>Shuyan Yu</i>
127	<b>1221: Research on Dynamic Performance and Road Performance of Dense-Gradation Asphalt Mixture</b> <i>Congrong Tang, Xin Xu and Haiyan Ding</i>
128	<b>1222: Network Security Situation Awareness Framework Based on Threat Intelligence</b> <i>Hongbin Zhang, Yuzi Yi, Junshe Wang and Ning Cao</i>
129	<b>1224: Detecting Inconsistency and Incompleteness in Access Control Policies</b> <i>Hongbin Zhang, Pengcheng Ma and Meihua Wang</i>
130	<b>1227: Event-Triggered Fault Estimation and Accommodation for Stochastic State-Delay Systems Subject to Randomly Occurring Sensor Nonlinearities and Deception Attacks</b> <i>Yunji Li, Xu Liu and Li Peng</i>
131	<b>1229: Ipfra: An Online Protocol Reverse Analysis Mechanism</b> <i>Zhang xiaoming, Qiang qian, Wang weisheng, WANG Zhanfeng and Wei Xianglin</i>
132	<b>1231: Design and Implementation of Web Crawler Based on Coroutine Model</b> <i>Renshuang Ding and Meihua Wang</i>
133	<b>1241: Design and Implementation of Vxworks System Vulnerability Mining Framework Based on Dynamic Symbol Execution</b> <i>WeiZheng, YuZhou and BohengWang</i>



134	<b>1242: Mitigating Content Caching Attack In NDN</b> <i>Zhiqiang Ruan, Haibo Luo, Wenzhong Lin and Jie Wang</i>
135	<b>1247: Improving Testing Accuracy of Convolutional Neural Network For Steganalysis Using Segmented Subimages</b> <i>Yifeng Sun, Xiaoyu Xu, Haitao Song, Guangming Tang and Shunxiang Yang</i>
136	<b>1250: An Integrated Suture Simulation System with Deformation Constraint Under A Suture Control Strategy</b> <i>Zhang Xiaorui, Duan Jiali, Sun Wei, Zhu Lifeng, Norman I. Badler and Sunil Kumar Jha</i>
137	<b>1255: Detection Method of Hardware Trojan Based on Wavelet Noise Reduction and Neural Network</b> <i>Li Xiaopeng, Xiao Fei, Li Ling, Shen Jiangjiang and Qian Fengchen</i>
138	<b>1263: Topk Service Composition Algorithm Based on Optimal Qos</b> <i>Gen Li1, Kejie Wen, Yaxuan Wu and Baili Zhang</i>
139	<b>1264: Inconsistent Selection of Optimal Frame Length In WMSN</b> <i>BailiZhang, Yanli Wang, YuanyuanHong and Ziyi Qiao</i>
140	<b>1268: Differential Cryptanalysis on Block Cipher Skinny with MILP Method</b> <i>Pei Zhang and Wenyong Zhang</i>
141	<b>1280: Research on Big Data Fusion Method of Smart Grid in The Environment of Internet of Things</b> <i>Ke Jia, Xiaoming Ju and Hongbin Zhang</i>
142	<b>1281: Research on Image Classification of Marine Pollutants with Convolution Neural Network</b> <i>Tingting Yang, Shuwen Jia and Huanhuan Zhang</i>
143	<b>1297: DESIGN AND Simulation OF A NEW STACKED PRINTED ANTENNA</b> <i>Zhiwei Gao, Weidong Liu, Qingyuan Fang and Shugang Jiang</i>
144	<b>1305: Research on Trust Management Model in Cloud Manufacturing</b> <i>Xiaolan Xie, Xiao Zhou and Tianwei Yuan</i>
145	<b>1307: Comparative Study of Cnn And Rnn For Deep Learning Based Intrusion Detection System</b> <i>Jianjing Cui, Jun Long, Erxue Min, Qiang Liu and Qian Li</i>
146	<b>1332: Crowdsourcing Based Framework for Teaching Quality Evaluation and Feedback Using Linguistic 2-Tuple</b> <i>Tiejun Wang, Amir Homayoon Ashrafzadeh, Tao Wu and Jia He</i>
147	<b>1333: Estimating the Number of Posts in Sina Weibo</b> <i>Kai Dong, Taolin Guo, Xiaolin Fang, Zhen Ling and Haibo Ye</i>
148	<b>1336: A Reliable Method of Icing Detection for Transmission Lines</b> <i>Zhao Guodong, Li Pengfei, Fang Fan, Liu Xiaoyu and Zhang Yuwei</i>
149	<b>1342: A Security Sandbox Technology of Android Based on Hook Mechanism</b> <i>Xin Jiang, Mingzhe Liu, Kun Yang and Yanhua Liu</i>
150	<b>1360: A Privacy-Preserving Classifier in Statistic Pattern Recognition</b> <i>Qi Wang, Dehua Zhou, Quanlong Guan, Gang Zhang, Yanling Li and Jimian Yang</i>
151	<b>1364: Analysis and Improvement on An Image Encryption Algorithm Based on Bit Level Permutation</b> <i>Bin Lu, Fenlin Liu and Xin Ge</i>



152	<b>1369: Matching Algorithm of Composite Service Based on Indexing Mechanism In BPM</b> <i>Qiubo Huang, Yuxiao Qian, Guohua Liu and Keyuan Jiang</i>
153	<b>1372: A Novel Photovoltaic Cell Simulator for Green Internet of Things</b> <i>Zhe Wang, Weidong Yi, Yongrui Chen and Ming Li</i>
154	<b>1373: Analyzing Cross-Domain Transportation Big Data Of New York City with Semi-Supervised and Active Learning</b> <i>Huiyu Sun and Suzanne McIntosh</i>
155	<b>1392: Identify Sources of Information Under the SEIR Model</b> <i>Yousheng Zhou and Chujun Wu</i>
156	<b>1408: Efficient Interference Estimation with Accuracy Control for Data-Driven Resource Allocation in Cloud-RAN</b> <i>Yanchao Zhao, Jie Wu, Wenzhong Li and Sanglu Lu</i>
14:50-15:40	<b>Session IV</b> <b>14:50-15:40 June 10, 2018, Room: Lobby of Howard Johnson New Port Resort Haikou</b>
<b>Session Chair: Zhiguo Qu, Nanjing University of Information Science and Technology, China</b>	
157	<b>1410: Ddos Attacks Detection and Traceback Method Based on Flow Entropy Algorithm and MPLS Principle</b> <i>Xiaohui Yang, Yue Yu</i>
158	<b>1414: Blocking Time-Based MPTCP Scheduler for Heterogeneous Networks</b> <i>Chen Ling, Wensheng Tang, Pingping Dong, Wenjun Yang, Xiaoping Lou and Hangjun Zhou</i>
159	<b>1417: Address Allocation Scheme Based on Local MAC Address</b> <i>Fan Xinran, Ao Ting and Xia Zhengyou</i>
160	<b>1420: Research on Feedback Effects Between Perception of Internet Word of Mouth and Online Reviews Based on Dynamic</b> <i>Jinhai Li, Yunlei Ma, Huisheng Zhu and Youshi He</i>
161	<b>1421: Review on Blockchain Application for Internet of Things</b> <i>Qin Zhou, Yaming Yang, Jinlian Chen and Mingzhe Liu</i>
162	<b>1422: Differentially Private Real-Time Streaming Data Publication Based on Sliding Window Under Exponential Decay</b> <i>Lan Sun, Chen Ge, Xin Huang, Yingjie Wu and Yan Gao</i>
163	<b>1437: Network Storage Covert Channel Detection Technology Based on Data Joint Analysis</b> <i>Guangxin Fu, Qingbao Li, Zhifeng Chen, Guangyu Zeng and Juanjuan Gu</i>
164	<b>1438: PCR: Caching Replacement Algorithm in Proxy Server</b> <i>Tong Liu, Xiaoyu Peng, Jiahao Liang and Baili Zhang</i>
165	<b>1450: Multilevel Features Fusion in Deep Convolutional Neural Networks</b> <i>Yi-Fan Zhuo and Yi-Lei Wang</i>
166	<b>1452: A New Image Feature Ensemble Method Based on LSTM</b> <i>Xianjun Yang, Jinlin Chen, Yilei Wang, Yingjie Wu and Dan Lin</i>
167	<b>1481: Towards Secure Device Pairing Via Vibration Detection</b> <i>Zhenge Guo and Zhaobin Liu</i>
168	<b>1482: W-Bayes Indoor Location Algorithm Based on Dynamic Region Selection</b> <i>Haiyan Lan, Yiqi Shi, Duo Liu and Jianguo Sun</i>





169	<b>1488: Big Data Security Framework Based on Encryption</b> <i>Wu shaobing and Wang Changmei</i>
170	<b>1489: Distributed Monitoring System for Microservices-Based Iot Middleware System</b> <i>Rui Kang, Zhenyu Zhou, Jiahua Liu, Zhongran Zhou and Shunwang Xu</i>
171	<b>1491: Controlled Remote Preparation of An Arbitrary Two-Qubit State Via the Brown State Under the Noisy Environment</b> <i>Ting Dong, Song-Ya Ma and Pei Zhang</i>
172	<b>1504: Reducing the Computational Complexity of The Referencesharing Based Self-Embedding Watermarking Approach</b> <i>Dongmei Niu, Hongxia Wang and Minquan Cheng</i>
173	<b>1505: Your Paper Title, Capitalize Each Letter</b> <i>Yuhua Fan, Liya Fan and Jing Yang</i>
174	<b>1506: A MPTCP Scheduler for Web Transfer</b> <i>Wenjun Yang, Pingping Dong, Wensheng Tang, Xiaoping Lou, Hangjun Zhou Kai Gao and Haodong Wang</i>
175	<b>1507: Multi-Dimensional Regression for Colour Prediction in Pad Dyeing</b> <i>Zhao Chen, Chengzhi Zhou, Yijun Zhou, Lingyun Zhu, Ting Lu and Guohua Liu</i>
176	<b>1511: Noise Modeling and Analysis for Indoor Broadband Power Line Communication</b> <i>Zhouwen Tan, Hongli Liu, Ziji Ma and Yun Cheng</i>
177	<b>1513: Integral and Impossible Differential Cryptanalysis of Rc6</b> <i>Hongguo Zhu, Xin Hai and Jiuchuan Lin</i>
178	<b>1524: Deep Learning-Hash for Wireless Multimedia Data Content Security</b> <i>Yu Zheng, Jiezhong Zhu, Wei Fang and Lian-Hua Chi</i>
179	<b>1529: Secure and Privacy-Preserving 3D Vehicle Positioning Schemes for Vehicular Ad Hoc Network</b> <i>Qianwen Pei, Burong Kang, Lei Zhang, Kim-Kwang Raymond Choo, Yuanfei Zhang and Yinxia Sun</i>
180	<b>1536: Resolve PLC Security Threats Through Monitoring and Restoring I/O Ports</b> <i>Jianguo Sun, Ruize Hong and Yuewei Zhang</i>
181	<b>1537: Energy Efficient Flow-Based Access Control in Hetnets With Renewable Energy Supply</b> <i>Li Li, Yifei Wei, Mei Song and Xiaojun Wang</i>
182	<b>1540: Detecting Iris Liveness with Batch Normalized Convolutional Neural Network</b> <i>Min Long, Yan Zeng and Fei Peng</i>
183	<b>1543: The Ship Struck by Lightning Indirect Effect Simulation and Data Analysis</b> <i>Li Cui, Zhiwei Gao and Shuai Zhang</i>
184	<b>1544: A Domain Name Model of Anonymous Network Hidden Service</b> <i>Yitong Meng, Jinlong Fei, Yan Chen and Yuefei Zhu</i>
185	<b>1545: Multi-Situation Analytic Hierarchy Process Based on Bayesian For Mobile Service Recommendation</b> <i>Weihong Wang, Fuxiang Zhou, Yuhui Cao, Dawei Zhang and Jieli Sun</i>
186	<b>1550: Energy Efficient Virtual Network Embedding for Wireless Multi-Hop Cellular Networks Using Multi-Commodity Flow Algorithm</b> <i>Yifei Wei, Li Li, Zihan Jia and Xiaojun Wang</i>
187	<b>1553: Tr-Ids: Anomaly-Based Intrusion Detection Through Text-Convolutional Neural Network and Random Forest</b>



	<i>Erxue Min, Jun Long, Qiang Liu, Jianjing Cu and Wei Cheng</i>
188	<b>1561: Multi-Source Enterprise Innovation Data Fusion Method Based On Hierarchy</b> <i>Jinying Xu, Yuehua Lv and Jieren Cheng</i>
189	<b>1568: RCS: Hybrid Co-Scheduling Optimization in Virtualized System</b> <i>Zhiqiang Zhu, Jin Wu, Lei Sun and Ruiyu Dou</i>
190	<b>1575: Algorithm to Most Reliable Maximum Flow on CDN</b> <i>YanSheng, YuanyuanHong, YuefeiGuo, JingwenXu, ZiyiQiao and BailiZhang</i>
191	<b>1583: Authentication of Quantum Dialogue Under Noise</b> <i>LI Dong-Fen, Wang Rui-Jin, Daniel ADU-GYAMFI, Chen Jin-lian, Yang Ya-Ming and Liu Ming-Zhe</i>
192	<b>1584: Internet of Things Security Analysis of Smart Campus</b> <i>Lei Wang, Kunqin Li and Xianxiang chen</i>
193	<b>1585: Network Defense Decision-Making Method Based on Stochastic Differential Game Model</b> <i>Shirui Huang, Hengwei Zhang, Jindong Wang, Jianming Huang and Chen Fang</i>
194	<b>1586: Revisiting Anonymous Two-Factor Authentication Schemes for Cloud Computing</b> <i>Yaosheng Shen, Ding Wang and Ping Wang</i>
195	<b>1587: The Design and Implementation of a Backup and Disaster Recovery System for Vsphere Data Center Based on Swift Cloud Storage</b> <i>Yanchao Guo, Linfeng Wei and Jianzhu Lu</i>
196	<b>1594: Algorithms for The Densest Subgraph With At Least K Vertices and With a Specified Subset*</b> <i>Fufang Li, Wenbin Chen, Lingxi Peng, Jianxiong Wang and Maobin Tang</i>
197	<b>1603: Providing Trusted Data for Industrial Wireless Sensor Networks</b> <i>Shuyan Yu and Jinyuan He</i>
198	<b>1607: Botnet Detection with Hybrid Analysis on flow Based and Graph Based Features of Network Traffic</b> <i>Yaoyao Shang, Shuangmao Yang and Wei Wang</i>
199	<b>1625: Robust USBL For DOA Estimation in MIMO Radar with Mutual Coupling and Nonuniform Noise</b> <i>Xianpeng Wang, Mengxing Huang, Chong Shen, Jieren Cheng, Liangtian Wan and Kun Zhang</i>
200	<b>1634: Privacy-Preserved Prediction for Mobile Application Adoption</b> <i>Changxu Wang and Jing Chu</i>
201	<b>1637: A Chaotic Searchable Image Encryption Scheme Integrating with Block Truncation Coding</b> <i>Mingfang Jiang and Guan Sun</i>
202	<b>1644: A Novel Time-Aware Frame Adjustment Strategy for RFID Anti-Collision</b> <i>Haipeng Chen, Kexiong Liu, Chunyang Ma, Yu Han and Jian Su</i>
203	<b>1646: In Situ Synthesis of Cuprous Oxide/Cellulose Nanofibers Gel and Antibacterial Properties</b> <i>Ying Hu, Zhe Li, Zhiyong Yan and Qinfei Ke</i>
204	<b>1657: A Lightweight Fingerprint-Based Method for Inexpensive and Scalable Indoor Subarea Localization</b>



	<i>Lin Wang, Huixiang Liu, Wenyuan Liu, Ahmad Adnan, Chenshu Wu and Nan Jing</i>
<b>205</b>	<b>1674: Spatial Search for Two Marked Vertices on Hypercube by Continuous Time Quantum Walk</b> <i>Li Xi, Hanwu Chen, Zihao Liu, Wenjie Liu and Mengke Xu</i>
<b>206</b>	<b>1733: A Network Illegal Access Detection Method Based on PSO-SVM Algorithm in Power Monitoring System</b> <i>Yang Su, Wenzhe Zhang, Wenwen Tao and Zhizhong Qiao</i>
<b>207</b>	<b>1736: Power Network Vulnerability Detection Based on Improved Adaboost Algorithm</b> <i>Wenwei Tao, Song Liu, Yang Su and Chao Hu</i>



## 交通指南

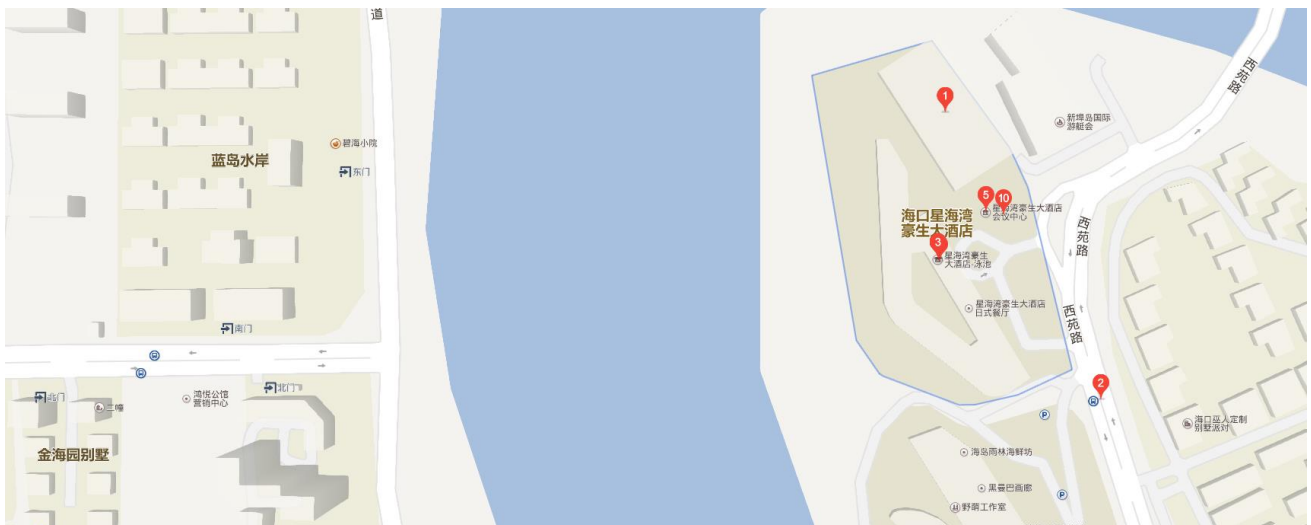
### Transportation Guide

#### A. ICCCS2018 会议酒店 1:

##### 海口星海湾豪生大酒店(Howard Johnson New Port Resort Haikou)

酒店地址：海南省海口市美兰区新埠岛西苑路 21 号

Hotel Address: No. 21st Xiyuan Road, Haikou, Meilan District, Haikou



交通路线指引:

Traffic Guide:

#### 机场 —— 海口星海湾豪生大酒店 (Airport — Howard Johnson New Port Resort Haikou)

##### 海口美兰机场—海口星海湾豪生大酒店

1. 驾车：35-40 分钟。
2. 出租车：35-40 分钟，费用 50-70 元。
3. 机场巴士：2 小时 5 分钟，需换乘。

机场巴士 1 号线（始发，民航宾馆方向）——省琼剧院站下车，换乘公交 44 路（银滩花园方向）——六合大厦站下车，换乘公交 63 路（西苑别墅方向）——西苑别墅站下车，步行 1258 米（约 17 分钟），到达终点（星海湾豪生大酒店）。

##### Haikou Meilan Airport — Howard Johnson New Port Resort Haikou

1. Drive: 35-40 minutes.
2. Taxi: 35-40 minutes, cost 50-70 RMB.
3. Airport bus: 2 hours 5 minutes, transfer required.



Airport bus Line Line 1 (originating, civil Aviation hotel direction)—Provincial Joan Theatre station transfer bus 44 road (Silver Beach Garden direction)—Liuhe mansion station get off, change bus 63 road (Xiyuan Villa direction)—Xiyuan villa station, 1258 meters (about 17 minutes) to reach the destination (Howard Johnson New Port Resort Haikou).

## 火车站 —— 海口星海湾豪生大酒店 (Train Station -- Howard Johnson New Port Resort Haikou)

### 海口火车站—星海湾豪生大酒店

驾车: 40-60 分钟

1. 出租车: 40-60 分钟, 60-80 元
2. 公交车: 2 小时 10 分钟, 需换乘。

路线 1: 海口站 (始发站) 乘坐公交 37 路 (六龙公交总站方向) ——钟楼站下车, 钟楼站换乘 38 路 (广物滨海国际方向) ——豪生大酒店站下, 步行 248 米 (3 分钟), 到达终点星海湾豪生大酒店。

路线 2: 海口站 (始发站) 乘坐公交 37 路 (六龙公交总站方向) ——西海瑞园站下车, 西海瑞园站换乘公交游 6 路 (站换乘 38 路 (鲁能希尔顿酒店方向) ——燕泰酒店站下车, 步行 1590 米 (约 22 分钟), 到达终点星海湾豪生大酒店。

### Haikou Railway Station — Howard Johnson New Port Resort Haikou

1. Drive: 40-60 minutes
2. Taxi: 40-60 minutes, 60-80 yuan
3. Bus: 2 hours 10 minutes, need to transfer. Route 1.

Route 1. Haikou Station (predicate) by bus 37 (six Dragon Bus terminus direction)—Clock Tower station get off, Clock Tower station transfer 38 road (wide things Binhai International direction)—Howard Hotel station, walk 248 meters (3 minutes), reach the Howard Johnson New Port Resort Haikou.

Route 2. Haikou Station (predicate) by bus 37 (six Dragon Bus terminus direction)-Sihairi Park station off, Sihairi Park station transfer bus 6 (station transfer 38 road (Hilton Haikou Meilan direction)--Yantai Hotel station, walk 1590 meters (about 22 minutes), reach the Howard Johnson New Port Resort Haikou.

## B. ICCCS2018 会议酒店 2:

### 海南新燕泰大酒店 (Hainan New Yantai Hotel)

酒店地址: 海南省海口市美兰区海甸五东路 18 号

Hotel Address: No. 18, five East Road, Hainan Province Haikou, Meilan District, China



## 机场 —— 海南新燕泰大酒店 (Airport — Hainan New Yantai Hotel)

### 海口美兰机场—海南新燕泰大酒店

1. 驾车：35-40 分钟。
2. 出租车：35-40 分钟，费用 50-70 元。
3. 机场巴士：2 小时 5 分钟，需换乘。

机场巴士 1 号线（始发，民航宾馆方向）—— 晟林业局站下车，步行 9 米（约 1 分钟）至省林业厅站，换乘公交 38 路（广物滨海国际方向）—— 燕台酒店站下车，步行约 296 米（约 4 分钟），到达新燕泰大酒店。

### Haikou Meilan Airport — Hainan New Yantai Hotel

1. Drive: 35-40 minutes.
2. Taxi: 35-40 minutes, cost 50-70 yuan.
3. Airport bus: 2 hours 5 minutes, transfer required.

Airport bus Line Line 1 (originating, civil Aviation hotel direction)-Sheng Forestry Bureau war get off, walk 9 meters (about 1 minutes) to the Provincial Forestry Department station, transfer bus 38 road (Canton things Binhai International direction)-Yan Tai Hotel station off, walk about 296 meters (about 4 minutes), to the New Yan Tai Hotel.

## 火车站 —— 海南新燕泰大酒店 (Train Station -- Hainan New Yantai Hotel)

### 海口火车站—海南新燕泰大酒店

1. 驾车：40-60 分钟
2. 出租车：40-60 分钟，60-80 元
3. 公交车：2 小时 10 分钟，需换乘。



路线 1: 海口站 (始发站) 乘坐公交 37 路 (六龙公交总站方向) ——电力村站下车换乘 54 路 (鲁能海蓝椰风方向) —— 燕泰酒店站下, 步行 296 米 (约 4 分钟), 到达终点海南新燕泰大酒店。

路线 2: 海口站 (始发站) 乘坐公交 37 路 (六龙公交总站方向) ——钟楼站下车换乘公交 87 路 (鲁能海蓝椰风方向) ——燕泰酒店站下车, 步行 298 米 (约 4 分钟), 到达终点海南新燕泰大酒店。

#### **Train Station -- Hainan New Yantai Hotel**

1. Driving: 40-60 minutes
2. Taxi: 40-60 minutes, 60-80 yuan
3. Bus: 2 hours 10 minutes, need to transfer.

Route 1: Haikou station (predicate) by bus 37 (six Dragon Bus terminus direction)--Power village station get off transfer 54 (Luneng Sea-Sea coconut Wind direction)-Yantai Hotel station, walk 296 meters (about 4 minutes), reach the destination Hainan New Yan Tai Hotel.

Route 2: Haikou station (predicate) by bus 37 (six Dragon Bus terminus direction)--clock tower station get off and change bus 87 (Luneng Sea-blue coconut)-Yantai Hotel station, walk 298 meters (about 4 minutes), reach the destination Hainan New Yan Tai Hotel.



