2018 International Conference on Networking and Network Applications

(NaNA 2018)

Conference Program

October 12-15, 2018

Academic Exchange Center in Xi'an University of Posts

and Telecommunications

Xi'an, China

Technical Sponsors

Xi'an University of Posts and Telecommunications, China
Xidian University, China
Future University Hakodate, Japan
AVIC,China
University of Waterloo, Canada

Conference Schedule

Date	Time	Conference Program	
2018-10-12	08:00-21:00	Registration at Academic Exchange Center in Xi'an University of Posts and Telecommunications Xi'an, China	
2018-10-13	07:00-08:50	Registration at Academic Exchange Center in Xi'an University of Posts and Telecommunications Xi'an, China	
	09:00-09:15	Welcome Speech (Jiulun Fan)	
	09:15-09:30	Opening Remarks (Norio Shiratori)	
	09:30-09:50	Group Photo Taken	
	09:50-10:30	Keynote Speech 1 (Nirwan Ansari)	
	10:30-10:50	Coffee break	
	10:50-11:30	Keynote Speech 2 (Vincent Wong)	
	11:30-12:10	Keynote Speech 3 (Naijie Gu)	
	12:10-14:00	Lunch	
	14:00-15:40	Session A1(Room1)	Session B1 (Room2)
	15:40-16:00	Coffee break	
	16:00-17:40	Session A2 (Room 1)	Session B2 (Room 2)
	18:00-20:00	Gala	
2018-10-14	08:30-09:50	Session A3 (Room 1)	Session B3 (Room 2)
	09:50-10:10	Coffee break	
	10:10-11:55	Session A4 (Room 1)	Session B4 (Room 2)
	12:00-14:00	Lunch	
	14:00-16:05	Session A5 (Room 1)	Session B5 (Room 2)
	16:05-16:25	Coffee break	
	16:25-17:25		Session B6 (Room 2)
	18:00-20:00	Dinner	
2018-10-15	08:30-09:55	Session A6 (Room 1)	Session B7 (Room 2)
	09:55-10:15	Coffee break	
	10:15-10:45	Closing Remarks(Yanping Chen)	
	10:45-11:55	Free discussion	
	12:00-14:00	Lunch	
	14:00-16:00	TPC Meeting	

Academic Exchange Center: Opening/Keynote Speech/ Closing Remarks.

Sessions A (Room 1), Sessions B (Room 2)

Greeting Message from General Conference Chairs

Welcome to 2018 International Conference on Networking and Network Applications (NaNA2018)! Welcome to Xi'an, China! We believe that the solid conference program and the amazing city of Xi'an will offer you irresistible attraction.

The NaNA2018 is technically sponsored by Xi'an University of Posts and Telecommunications, China, Xidian University, China, Future University Hakodate, Japan, AVIC, China and University of Waterloo, Canada. At this very moment, we would like to thank the program committees and the organizing staffs for their hard work. We would like to deliver our appreciation to the keynote speakers for their great contributions to this conference.

This conference aims to gather researchers from different areas and disciplines to present results and participate in discussions under the common themes of Wireless Networks, Wired Networks and Data Center (DC) Networks, Network Management, Monitoring, and Automation, and Network Applications. It is expected that the interactions provided by the conference will facilitate a better understanding of the diversity of the different approaches as well as of their similarities. In addition, it will open the way for applying approaches that have been successful in one area to problem solving in other different areas and applications.

We wish you will enjoy the successful deliberations, stimulating discussions and new friendships the conference can offer. We look forward to seeing all of you in Xi'an, China.

NaNA 2018 General Co-Chairs

Zhongmin Wang, Xi'an University of Posts and Telecommunications, China
Achille Pattavina, Politecnico di Milano, Italy
Naijie Gu, University of Science and Technology of China, China
Oct. 12, 2018

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Sugang Ma, Xi'an University of Posts and Telecommunications, China
Yang Xu, Xidian University, China

Track Co-Chairs:
Track 1: Wireless Networks
Gabriel-Miro Muntean, Dublin City University, Ireland
Changqiao Xu, Beijing University of Posts and Telecommunications, China
Chi Zhang, University of Science and Technology of China, China
Kaikai Chi, Zhejiang University of Technology, China

Track 2: Optical Networks and Data Center (DC) Networks
János Tapolcai, Budapest University of Technology and Economics, Hungary
Aleksandra Smiljanic, Belgrade University, Serbia
Massimo Tornatore, Politecnico di Milano, Italy
Rentao Gu, Beijing University of Posts and Telecommunications, China

Track 3: Network Management, Monitoring and Automation
Bishnu Prasad Gautam, Wakkanai Hokusei Gakuen Unviersity, Japan
Wei Su, Beijing Jiaotong University, China
Yung-Fa Huang, Chaoyang University of Technology, Taiwan

Zhou-guo Chen, China Electronics Technology Cyber Security Co., LTD, China

Track 4: Network Applications
Guilin Chen, Chuzhou University, China
Xiaojiang Chen, Northwest University, China
Masaru Fukushi, Yamaguchi University, Japan
Chia-Wei Tsai, Southern Taiwan University of Science and Technology, Taiwan

Steering Chairs:
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Keynote Speech 1:

Empowering Internet of Things from the Cloud to the Edge

Prof. Nirwan Ansari

New Jersey Institute of Technology, America

Abstract: With the rapid development of Internet of Things (IoT), the traditional networking architecture in which data streams generated from distributed IoT devices are transmitted to the remote cloud via the Internet for further analysis is not scalable. A hierarchical computing model has thus been recently proposed to provision computing, storage and communication resources from the cloud to the edge to empower Internet of Things. In this talk, I will elicit the motivation, describe the proposed architecture and its scalability, illustrate how to leverage such architecture for big data applications, discuss some recent results, and present future challenges.

CV: Nirwan Ansari is Distinguished Professor of Electrical and Computer Engineering at the New Jersey Institute of Technology (NJIT). He has also been a visiting (chair) professor at several universities. Professor Ansari recently authored Green Mobile Networks: A Networking Perspective (IEEE-Wiley, 2017) with T. Han, and co-authored two other books. He has also (co-)authored more than 500 technical publications, over 250 published in widely cited journals/magazines. He has guest-edited a number of special issues covering various emerging topics in communications and networking. He has served on the editorial/advisory board of over ten journals including as Senior Technical Editor of IEEE Communications Magazine. His current research focuses on green communications and networking, cloud computing, and various aspects of broadband networks.

Professor Ansari was elected to serve in the IEEE Communications Society (ComSoc) Board of Governors as a member-at-large, has chaired some ComSoc technical and steering committees, has been serving in many committees such as the IEEE Fellow Committee, and has been actively organizing numerous IEEE International Conferences/Symposia/Workshops. He has frequently been delivering keynote addresses, distinguished lectures, tutorials, and invited talks. Some of his recognitions include IEEE Fellow, several Excellence in Teaching Awards, a few best paper awards, the NCE Excellence in Research Award, the ComSoc AHSN TC Technical Recognition Award, the IEEE TCGCC Distinguished Technical Achievement Recognition Award, the NJ Inventors Hall of Fame Inventor of the Year Award, the Thomas Alva Edison Patent Award, Purdue University Outstanding Electrical and Computer Engineer Award, and designation as a COMSOC Distinguished Lecturer. He has also been granted 36 U.S. patents. He received a Ph.D. from Purdue University---West Lafayette, IN, an MSEE from the University of Michigan---Ann Arbor, MI, and a BSEE (summa cum laude with a perfect GPA) from NJIT---Newark, NJ.

Keynote Speech 2:

Non-Orthogonal Multiple Access in 5G Wireless Networks

Prof. Vincent Wong

University of British Columbia, Canada

Abstract: Non-orthogonal multiple access (NOMA) is a spectrally efficient multiple access technique, which has the potential to meet the rapidly increasing traffic demand of the fifth generation (5G) wireless networks. With NOMA, multiple users can be simultaneously served by the same base station via exploiting the power domain in addition to the time and frequency domains. However, by sharing the frequency channel and transmit power among the paired NOMA users, NOMA may not always achieve better performance than orthogonal multiple access (OMA). In this talk, the basic idea of NOMA transmission is discussed. For downlink NOMA transmission with dynamic traffic arrival for spatially random users, two variants of NOMA schemes, namely opportunistic NOMA and cooperative NOMA with full-duplex relaying, are proposed to enhance the stable throughput region, which is characterized by using tools from queuing theory and stochastic geometry. Results show that the sum rates of the proposed NOMA schemes over OMA are higher when users having more diverse target data rates are paired.

CV: Vincent Wong is a Professor in the Department of Electrical and Computer Engineering at the University of British Columbia, Vancouver, Canada. His research areas include protocol design, optimization, and resource management of communication networks, with applications to the Internet, wireless networks, smart grid, fog computing, and Internet of Things. Dr. Wong is an Editor of IEEE Transactions on Communications and an Associate Editor of IEEE Transactions on Mobile Computing. He has served as a guest editor of IEEE Journal on Selected Areas in Communications and IEEE Wireless Communications. Dr. Wong is a Fellow of the IEEE.

Keynote Speech 3:

Big data analytics and applications: present and future trends

Prof. Naijie Gu

University of Science and Technology of China

Abstract: An important signal of the Web 2.0 era is the explosive growth of user-generated content, which has led to a huge leap in the amount of data generated by human society, and ultimately led to the emerge of big data. At present, big data applications have penetrated into all areas of daily life, and the degree of informationization and intelligence of the society has increased significantly. The industrialization of big data poses new challenges to research areas including cluster systems, computing frameworks, storage systems, and data management methods. Many companies represented by Google, Facebook, Amazon, etc. have led the development of big data technology and the construction of universal big data platforms. This lecture will briefly describe the development history of big data, and introduce the latest research progress and application in the field of big data in recent years. Finally, the possible future development direction of big data will be discussed.

CV:Professor Gu Naijie is currently working at the School of Computer Science and Technology, University of Science and Technology of China. His research areas include parallel algorithms, networking, optimization algorithms, deep learning, intelligent transportation, and various aspects in big data analytics. He has host or participated in a number of National Major Special Projects, National 863, National Education Commission Doctoral Fund Project, and Anhui Natural Science Fund Project Research. He also has extensive research projects with well-known companies such as Huawei and Xunfei. He is a long-term member of Chinese Computer Federation.

Opening Remarks and Keynotes

(2018-10-13, Academic Exchange Center)

2018-10-13 9:00-12:10			
Time	**Conference Program**	**Spokesman**	**Chairman**
09:00-09:15	Welcome Speech	Jiulun Fan	Zhongmin Wang
09:15-09:30	Opening Remarks	Norio Shiratori	Zhongmin Wang
09:30-09:50	Group Photo Taken		Sugang Ma
09:50-10:30	Keynote Speech 1	Nirwan Ansari	Achille Pattavina
10:30-10:50	Coffee break		
10:50-11:30	Keynote Speech 2	Vincent Wong	Xiaohong Jiang
11:30-12:10	Keynote Speech 3	Naijie Gu	Yanping Chen

Track 1: Wireless Networks

		2018-10-13　　14:00-15:40　　Room1		
		Session A1　　Chair: Mubarak Umar		
ID	**Time**	**Title**	**Author**	**Type**
19	14:00-14:20	Intelligent Routing Algorithm Based on Deep Belief Network for Multimedia Service in Knowledge Centric VANETs	Tao Zhang, Xingyan Chen and Changqiao Xu	Regular
21	14:20-14:40	A Privacy-Preserving Incentive Mechanism on Multi-bid Crowdsourced Spectrum Sensing	Xuewen Dong, Tao Zhang, Guangxia Li, Di Lu and Balin Tian	Regular
37	14:40-15:00	Cooperative Jamming for Secrecy of Wireless Communications	Baihe Ma, Zhihong Liu, Yong Zeng and Jianfeng Ma	Regular
45	15:00-15:20	Gated Slotted Aloha Protocol for Wireless Communication Network	Huanhuan Huang, Tong Ye and Tony T. Lee	Regular
46	15:20-15:40	A Novel Virtual Sensor Management Scheme for Manufacturing Network	Cong Gao, Zhenzhou Tian, Yanping Chen and Zhongmin Wang	Regular
		Coffee break		
		2018-10-13　　16:00-17:40　　Room1		
		Session A2　　Chair: Changqiao Xu		
58	16:00-16:20	Low-complexity Optimal Scheduler for LTE over LAN Cable	Syed Hassan Raza Naqvi, Shahida Jabeen and Pin-Han Ho	Regular
61	16:20-16:40	Channel-Based Authentication for Dual-Hop Wireless Networks	Pinchang Zhang and Xiaohong Jiang	Regular
68	16:40-17:00	Provoking the Adversary by Dual Detection Techniques: An Extended Stochastic Game Theoretical Framework	Ahmed Salem, Xuening Liao, Shuiguang Zeng and Yulong Shen	Regular
86	17:00-17:20	An Artificial Neural Network Based Attenuation Tomography in Free Space Optical Network	Zeyuan Yang, Rentao Gu, Tao Dong, Jie Yin, Shu Li, Zhihui Liu, Tingting Zhang and Yuefeng Ji	Regular
94	17:20-17:40	High-Reception-Rate Transmission by Dynamic Scheduling for Wireless Body Area Networks	Wei-Ting Yeh, Chih-Min Chao and Cong-Xiang Wang	Regular

	2018-10-14 08:30-09:50 Room1			
	Session A3 Chair: Rentao Gu			
108	08:30-08:50	Energy Efficiency Analysis of the Watchful Sleep Mode with Delayed Wakeup in PONs	Raisa O. C. Hirafuji, Ahmad R. Dhaini, Divanilson R. Campelo, Pin-Han Ho and Limei Peng	Regular
5	08:50-09:05	Multi-channel Signal Acquisition Algorithm for Multi-beam Satellite Systems in High Dynamic Environment	Nannan Sun, Zhi Yu and Xianke Qiao	Short
13	09:05-09:20	Exploiting Social Tie and SIR Characteristic for Cooperative Jamming: A Game Model in a Two-Layer Network	Yan Gao, Yong Zeng, Zhihong Liu, Jianfeng Ma and Yeqiu Xiao	Short
14	09:20-09:35	A Clustering Algorithm of Underwater Acoustic Sensor Networks based On Hierarchical 3D Mesh	Jianping Wang, Shujing Zhang, Guohong Gao, Lei Cai, Xiangang Zuo, Zhou Yu and Wei Chen	Short
20	09:35-09:50	Lattice based Authenticated Key Exchange with Universally Composable Security	Yan-Tao Zhong	Short
	Coffee break			
	2018-10-14 10:10-11:55 Room1			
	Session A4 Chair: Laifeng Lu			
24	10:10-10:25	A Differential Privacy Preserving Framework with Nash Equilibrium in Genome-Wide Association Studies	Ziwei Han, Hai Liu and Zhenqiang Wu	Short
26	10:25-10:40	A privacy inference model based on attribute graph	Guangchen Song,Yihui Zhou, Hai Liu, Ge Wen and Ping'an Ren	Short
27	10:40-10:55	A privacy preserving model in uncertain graph mining	Yupan Tian, Jun Yan, Jing Hu and Zhenqiang Wu	Short
31	10:55-11:10	An uncertain graph approach for preserving privacy in social networks based on important nodes	Jun Yan, Lin Zhang, Yupan Tian, Ge Wen and Jing Hu	Short
50	11:10-11:25	The Trust-Based Access Control Model in the Wireless Sensor Network	Luo Jing-Tang, Yao Shi Ying, Gou Ji-Jun and Xu Qi-Yang	Short
53	11:25-11:40	Analysis and Protection of DDOS Attack Based on RSSP-II Protocol	Zhongdi Liang, Xinhong Hei, Yichuan Wang, Wenjiang Ji, Lei Zhu and Yefei Zhang	Short
71	11:40-11:55	Modified Cooperative Bait Detection Scheme for Detecting and Preventing Cooperative Blackhole and Eavesdropping Attacks in MANET	Mubarak Umar, Abdulrashid Sabo and Auwal Alhasan Tata	Short

		2018-10-14　　14:00-16:05　　Room1			
		Session A5　　Chair: Teng Li			
78	14:00-14:15	A Review of Dynamic Resource Allocation in Integrated Satellite and Terrestrial Networks	Yinghan Peng, Tao Dong, Rentao Gu, Qize Guo, Jie Yin, Zhihui Liu, Tingting Zhang and Yuefeng Ji		Short
81	14:15-14:30	On the Delivery Probability Study in Mobile Ad Hoc Networks	Bin Yang, Zhenqiang Wu, Lisheng Ma and Yuanyuan Fan		Short
87	14:30-14:45	Enhancing Carrier Frequency Offset Authentication via Fractal Dimension	Xufei Li, Shuiguang Zeng and Wei Tong		Short
89	14:45-15:00	Limits of Covert Communication over AWGN Channels　in the Presence of Multiple Wardens	Ranran Sun, Shuiguang Zeng and Xinghui Zhu		Short
90	15:00-15:15	Physical Layer Authentication Based on CFO and Visibility Graph	Shuiguang Zeng, Xufei Li, Ahmed Salem and Dongmei Zhao		Short
93	15:15-15:30	TMarkov:LBS Trajectory Prediction for Crowdsourcing Recommendation	Guoying Qiu, Ke Cheng, Lingtong Liu and Shuiguang Zeng		Short
100	15:30-15:45	Analyzing the Impact of Nanonode Density on Biological Tissues in Intrabody Nanonetworks	Shumaila Javaid, Zhenqiang Wu, Hamza Fahim, Farhana Javed and Jiawang Chen		Short
92	15:45-16:05	Capacity of 3D MANETs under Packet Replication and Receiver Probing	Wu Wang, Bin Yang, Xin Wang, Yumei She and Shikai Shen		Regular
		Coffee break			

Track 2: Wired Networks and Data Center (DC) Networks

Session A6   Chair: Shumaila Javaid

ID	Time	Title	Author	Type
2	08:30-08:50	L4S: Low-Speed Software Synergetic Sampling and Detecting Long Flow for Data Center Network	Lizhuang Tan, Wei Su, Shuai Gao and Peng Cheng	Regular
69	08:50-09:10	Least-Unavailability Path Selecting Algorithm Based on RBF for Disaster-Survivable Software-Defined Optical Networks	Guozhu Zhao, Lisheng Ma and Xiaohong Jiang	Regular
54	09:10-09:25	An Optimized Content Uploading Scheme for D2D Communications Underlaying Cellular Networks	Xiaolan Liu, Lisheng Ma and Xiaohong Jiang	Short
55	09:25-09:40	Quality of Services in Warehouse Scale Computers	Muhib Ahmad Khan Sherwani and Muneeb Ahmed Khan	Short
104	09:40-09:55	Authentic Gate Entry System (AuthGES) by Using LBPH for Smart Home Security	Krishna Prasad Bhattarai, Bishnu Prasad Gautam and Kazuhiko Sato	Short

Coffee break

2018-10-15 10:15-10:45   Academic Exchange Center   Closing Remarks

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Track 3: Network Management, Monitoring, and Automation

<table>
<tr><td colspan="5" align="center">2018-10-13   14:00-15:30   Room2</td></tr>
<tr><td colspan="5" align="center">Session B1   Chair: Bishnu Prasad Gautam</td></tr>
<tr><td>ID</td><td>Time</td><td>Title</td><td>Author</td><td>Type</td></tr>
<tr><td>4</td><td>14:00-14:20</td><td>A Design and Implementation of Network Billing System in Campus Based on Hadoop and Netflow</td><td>Bo She, Zunying Qin, Qiang Wang, Zhe Zhang, Jingru Cui, Guodong Li Xiaoge Zhong</td><td>Regular</td></tr>
<tr><td>7</td><td>14:20-14:40</td><td>Research of Security Situational Awareness and Visualization Approach in Cloud Computing</td><td>Jianfeng Chen, Rui Xu and Chunlin Li</td><td>Regular</td></tr>
<tr><td>9</td><td>14:40-15:00</td><td>Anomalies Detection of Routers Based on Multiple Information Learning</td><td>Teng Li, Jianfeng Ma, Qingqi Pei, Yulong Shen and Cong Sun</td><td>Regular</td></tr>
<tr><td>28</td><td>15:00-15:15</td><td>Privacy-Utility Trade-off of k-subset Mechanism</td><td>Yihui Zhou, Guangchen Song, Hai Liu and Laifeng Lu</td><td>Short</td></tr>
<tr><td>106</td><td>15:15-15:30</td><td>TickSEC: A Novel Reconfigurable Platform for WiFi Physical Layer Security</td><td>Xiaoguang Li, Jun Liu, Zhiwei Li, Haoyang Wu and Tao Wang</td><td>Short</td></tr>
<tr><td colspan="5" align="center">Coffee break</td></tr>
<tr><td colspan="5" align="center">2018-10-13   15:50-16:50   Room2</td></tr>
<tr><td colspan="5" align="center">Session B2   Chair: Jun Liu</td></tr>
<tr><td>40</td><td>15:50-16:05</td><td>Adaptive Different Privacy Interactive Publishing Model Based on Dynamic Feedback</td><td>Laifeng Lu, Yanping Li, Yihui Zhou, Feng Tian and Hai Liu</td><td>Short</td></tr>
<tr><td>41</td><td>16:05-16:20</td><td>Data Backup Against Progressive Disasters in Geo-Distributed Data Center Networks</td><td>Lisheng Ma and Bin Yang</td><td>Short</td></tr>
<tr><td>95</td><td>16:20-16:35</td><td>Technical Research and Platform Implementation of the Protocol Conformance Test of AFDX Network Switch</td><td>Wang Shikui and Li Wen</td><td>Short</td></tr>
<tr><td>101</td><td>16:35-16:50</td><td>Joint User Scheduling for ODFMA-based Multi-cell Networks</td><td>Shahida Jabben and Pin-Han Ho</td><td>Short</td></tr>
</table>

Track 4: Network Applications

		2018-10-14 8:30-09:50 Room2		
		Session B3 Chair: Muhib Ahmad Khan Sherwani		
ID	**Time**	**Title**	**Author**	**Type**
3	8:30-8:50	Classification of Mobile Users' Activities Based on Group Similarity Perception Networks	Hui Song, Shuai Han and Zhongmin Wang	Regular
8	8:50-9:10	Parallel Implementation of AES-GCM with High Throughput and Energy Efficiency	Junjie Su, Naijie Gu, Qilin Bai and Chuanwen Lin	Regular
30	9:10-9:30	A QC-LDPC code based digital signature algorithm	Fang Ren, Xuefei Yang and Dong Zheng	Regular
36	9:30-9:50	Preserving Privacy for Hubs and Links in Social Networks	Yao Guo, Zhihong Liu, Yong Zeng, Ruiheng Wang and Jianfeng Ma	Regular
		Coffee break		
		2018-10-14 10:10-11:50 Room2		
		Session B4 Chair: Xuening Liao		
43	10:10-10:30	Event-based Diffusion Kalman Filter Strategy for Clock Synchronization in WSNs	Shujie Yang, Changqiao Xu, Jianfeng Guan and Tao Zhang	Regular
44	10:30-10:50	A Blockchain-based Secure Cloud Files Sharing Scheme with Fine-Grained Access Control	Yuke Liu, Junwei Zhang and Qi Gao	Regular
57	10:50-11:10	Function Risk Assessment under Memory Leakage	Jianming Fu, Rui Jin, Yan Lin, Baihe Jiang and Zhengwei Guo	Regular
73	11:10-11:30	Visual-inertial State Estimation for the Civil Aircraft Landing in Low Visibility Conditions	Lei Zhang, Zhengjun Zhai, Linting Bai, Lei Zhang, Yahui Li, Wensheng Niu, Lei Yuan	Regular
82	11:30-11:50	SLAT:Sub-Trajectory Linkage Attack Tolerance Framework for Privacy-Preserving Trajectory Publishing	Xiangwen Liu, Liangmin Wang and Yuquan Zhu	Regular

6	14:00-14:15	True Random Number Generation Using Process Scheduling of Android Systems	Pengfei Song, Yong Zeng, Zhihong Liu, Jianfeng Ma and Huichuan Liu	Short
11	14:15-14:30	An Efficient GPS-Free Vehicle Localization Algorithm Using Single Roadside Unit and Receiver	Sugang Ma, Fuxi Wen and Zhongmin Wang	Short
47	14:30-14:45	The Challenges, the Threats and Policy Implications to a Compromised Privacy and Security	Nader Shahata	Short
48	14:45-15:00	Implementation and Analysis of Improved RO PUFs with Latch Structure	Zhao Huang, Chen Zhao, Quan Wang and Zhenyi Wang	Short
51	15:00-15:15	A Blockchain-based Decentralized Cloud Resource Scheduling Architecture	He Zhu, Yichuan Wang, Xinhong Hei, Wenjiang Ji and Li Zhang	Short
52	15:15-15:30	Energy Saving Strategy for Task Migration Based on Genetic Algorithm	Yue Kong, Yikun Zhang, Yichuan Wang, Hao Chen and Xinhong Hei	Short
59	15:30-15:45	Visual Tracking Algorithm Based on Improved Kernelized Correlation Filters	Futao Zhang and Zhongmin Wang	Short
64	15:45-16:00	Epidemic propagation control with limited temporary link removed	Ruifang Zhang, Li Li, Nana Du and Huanyu Liu	Short

Coffee break

65	16:25-16:40	MicrothingsChain: Edge Computing and Decentralized IoT Architecture Based on Blockchain for Cross-domain Data Shareing	Jiawei Zheng, Xuewen Dong, Tao Zhang, Junfeng Chen, Wei Tong and Xiaozhou Yang	Short
67	16:40-16:55	Lung Nodule Detection via 3D U-Net and Contextual Convolutional Neural Network	Chen Zhao, Jungang Han, Yang Jia and Fan Gou	Short
70	16:55-17:10	Construction of a class of linear codes with two weights	Hongxia Lv, Xiaoni Du and Xiaodan Li	Short
79	17:10-17:25	Research on data-driven industrial Internet solutions	Hong Xia, Xiao Ma, Hui Lv, Jingru Zhao, Yanping Chen and Zhongmin Wang	Short

		2018-10-15 08:30-09:45 Room2			
		Session B7 Chair: Jianping Wang			
84	08:30-08:45	Passive Human Trajectory Tracking Study in Indoor Environment with CSI	Hongli Yu, Bin Yang, Jinjun Liu and Gwo-Jong Yu		Short
88	08:45-09:00	A Method for Test Cases Reduction in Web Application Testing Based on User Session	Shuyan Wang, Wentao Wu and Jiaze Sun		Short
102	09:00-09:15	Enhancement of Supermarket Business and Market Plan by Using Hierarchical Clustering and Association Mining Technique	Bhagawan Rokaha, Dhan Prasad Ghale and Bishnu Prasad Gautam		Short
103	09:15-09:30	The Distributed Computing Framework Research for Avionics Cloud	Xie Jianchun, Wang Zhonghua and Li Yahui		Short
83	09:30-09:45	A Novel Terminal Security Access Method Based on Edge Computing for IoT	Songlin Chen, Yixin Jiang, Hong Wen, Wenjie Liu, Jie Chen, Wenxin Lei and Aidong Xu		Short
		Coffee break			
		2018-10-15 10:15-10:45 Academic Exchange Center Closing Remarks			

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