July 21, 2017

12:00-22:00	**Registration (Guangdong Hotel)**
18:00-20:00	**Welcome Dinner**

July 22, 2017

8:30-8:40	**Opening Ceremony**
8:40-10:40	**Keynote talks**
8:40-9:40	**Talk title：Big Data - Big Application** **Keynote speaker: Jinjun Chen** (Swinburne University of Technology, Australia)
9:40-10:40	**Talk title: Acemap: Design and Implementation** **Keynote speaker**: **Xinbing Wang** (Shanghai Jiao Tong University, China)
10:40-11:00	**Coffee Break**
11:00-12:00	**Keynote talks**
11:00-12:00	**Talk title: Data-Driven Cyber Security** **Keynote speaker: Yang Xiang** (Deakin University, Australia)
12:00-13:30	**Lunch**
	Room 1
13:30-16:35	**Session 1: Parallel Programming and Algorithms for Scientific Computing**
13:30-13:40	**Paper title**: **A Conical Area Evolutionary Algorithm Based on Modularity Q for Community Detection from Signed Networks** **Authors**: Yu Wu, Pengfei Chao, Weiqin Ying, Linlin He and Shiyun Chen

13:40-13:50	**Paper title: Budget-Deadline Constrained Workflow Scheduling for Heterogeneous Resources** **Authors:** Naqin Zhou, Deyu Qi, Wei Feng, Xinyang Wang and Yang Shen
13:50-14:00	**Paper title: From Top to Down Hierarchical Classification Process with the Candidates' Strategy** **Authors:** Jianying Lin, Rui Liu, Quanye Jia and Yahui Zhao
14:00-14:10	**Paper title: Wireless Facility Scheduling for Data Center Networks** **Authors:** Xianglin Wei and Qin Sun
14:10-14:20	**Paper title: Vehicular Data Cloud Platform with 5G Support: Architecture, Services, and Challenges** **Authors:** Ming Tao, Jiaxing Li, Jie Zhang, Xiaoyu Hong and Chao Qu
14:20-14:30	**Paper title: A personalized recommendation algorithm Based on the fusion of trust relation and time series** **Authors:** Hongli Chen
14:30-14:40	**Paper title: Cooperation of Improved HK Networks Based on Prisoner Dilemma Game** **Authors:** Yunsheng Deng, Ping Miao and Hongyong Yang
14:40-14:50	**Paper title: Research and Analysis about the Length of Vertex-degree Sequence of Complex Networks** **Authors:** Zhanying Zhang, Wenjun Xiao, Zhengwen Lai and Meisheng Li
14:50-15:00	**Paper title: Consensus of Leader-Following Multi-Agent Systems With Sampling Information Under Directed Networks** **Authors:** Li Li, Xianyong Zhang, Zhongsheng Wang and Zhiyong Lin
15:00-15:10	**Paper title: Reference Line Guided Pareto Local Search for Bi-objective Traveling Salesman Problem** **Authors:** Chao Xia, Xinye Cai, Zhun Fan and Muhammad Sulaman
15:10-15:20	**Paper title: An Improved Random Forest Method Base on RELIEFF for Medical Diagnosis** **Authors:** Min Liu, Xiaowei Xu, Ye Tao and Xiaodong Wang
15:20-15:30	**Paper title: Research and Analysis about the Length of Vertex-degree Sequence of Complex Networks with Poisson Distribution** **Authors:** Zhanying Zhang, Wenjun Xiao, Minfan He and Yijun Mao
15:30-15:45	**Coffee Break**

15:45-15:55	**Paper title: An Improved Method for Detection of The Pedestrian Flow Based on RFID** **Authors:** Yuanyuan Fan, Qingzhong Liang
15:55-16:05	**Paper title: An Improved Precoding Method for Blind Separation of Spatially Correlated Signals** **Authors:** Liu Yang, Shaohong Zhang, Zuyuan Yang
16:05-16:15	**Paper title: A Trusted Recommendation Scheme Based on the Improved Slope One Algorithm** **Authors:** Li Yang, Xiaoqin Wang,Yaping Tian
16:15-16:25	**Paper title: A Novel Method for Analysing the Population Dynamic Behavior of Particle Swarm Optimization** **Authors:** Guiping Xu, Gaoyang Li, Jingqing Jiang, Yuqing Lin, Yanchun Liang, Heow Pueh Lee, Xiaohu Shi, Chunguo Wu
16:25-16:35	**Paper title: A Survey of Multobjective Evolutionary Algorithms** **Authors:** Jia Wei Zhang, Li Ning Xing
16:35-17:15	**Session 2: Advanced Scientific and Engineering Applications**
16:35-16:45	**Paper title: A Decomposition-based Multi-objective Tabu Search Algorithm for Multi-objective Unconstrained Binary Quadratic Programming Problem** **Authors:** Ying Zhou
16:45-16:55	**Paper title: Understanding Soft Skills Requirements for Mobile Applications Developers** **Authors:** Jingdong Jia, Zupeng Chen and Xiaoping Du
16:55-17:05	**Paper title: GaitSense: A Potential Assistance for Physical Rehabilitation by Means of Wearable Sensors** **Authors:** Sen Qiu, Long Liu, Jinxiao Li, Zhelong Wang, Kairong Qin and Yongmei Jiang
17:05-17:15	**Paper title: Image Visual Saliency Feature Extraction Based on Multi-scale Tensor Space** **Authors:** Shimin Wang, Wenyan Jiang, Jihua Ye, Mingwen Wang and Xinyu Zhou
17:30-19:30	**Banquet**
	Room 2
13:30-16:25	**Session 3: Computational Challenges in Machine Learning**
13:30-13:40	**Paper title: A Novel Face Recognition Method Based on ICA and Binary Tree SVM** **Authors:** Wang Tao

13:40-13:50	**Paper title: Swarming Movement of Dynamical Multi-Agent Systems with Modeling Errors** **Authors:** Fusheng Wang and Hongyong Yang
13:50-14:00	**Paper title: Human-Machine Conversation Based on Hybrid Neural Network** **Authors:** Xiao Sun, Xiaoqi Peng, Fuji Ren and Yun Xue
14:00-14:10	**Paper title: An Exponential Distribution Complex Network Model Constructed by Degree Sequence Length Iteration** **Authors:** Zhengwen Lai, Wenjun Xiao, Meisheng Li and Zhanying Zhang
14:10-14:20	**Paper title: Real-Time Face Recognition Based on Sparse Illumination Learning** **Authors:** Wuyang Ding, Bo Liu and Yanshan Xiao
14:20-14:30	**Paper title: Evaluate the Chinese Version of Machine Translation Based on Perplexity Analysis** **Authors:** Tianwen He, Hong Wang and Baofang Hu
14:30-14:40	**Paper title: Fuzzy Query over Ontologies Based on Relational Databases** **Authors:** Qiang Tong, Fu Zhang and Jingwei Cheng
14:40-14:50	**Paper title: Fast Causal Division for Supporting High Dimensional Causal Discovery** **Authors:** Guizhen Mai, Shiguo Peng, Yinghan Hong and Pinghua Chen
14:50-15:00	**Paper title: A Novel Adaptive Resampling Particle Filtering Algorithm** **Authors:** Yan Zhang, Zhaobin Liu and Fahong Yu
15:00-15:10	**Paper title: ABCGA Algorithm for the Two Echelon Vehicle Routing Problem** **Authors:** Xiaoling Zhong, Hengjie Song and Siyu Jiang
15:10-15:20	**Paper title: A Semi-automatic Annotation Technology for Traffic Scene Image Labeling Based on Deep Learning Preprocessing** **Authors:** Yuhui Jin, Jianhao Li, Dongyuan Ma, Xi Guo and Haitao Yu
15:20-15:30	**Paper title: Component-Based Distributed Framework for Real-Time Video Dehazing** **Authors:** Meihua Wang,Jiaming Mai,Yun Liang, Ruichu Cai,Tom Zhengjia,Zhenjie Zhang
15:30-15:45	**Coffee Break**
15:45-15:55	**Paper title: Distributed Extreme Learning Machine with Kernels Based on MapReduce for Spectral-Spatial Classification of Hyperspectral Image**

	Authors: Junhua Ku,Bing Zheng
15:55-16:05	**Paper title: Research of Rough set Model under Logical Computing of Granular** **Authors:** Ziqi Zhou, Xinting Tang, Xiaofeng Zhang, Hongjiang Gao and Kun Zhou
16:05-16:15	**Paper title: Handwritten Yi Character Recognition with Density-based Clustering Algorithm and Convolutional Neural Network** **Authors:** Xiaodong Jia, Wendong Gong and Jie Yuan
16:15-16:25	**Paper title: A Novel Differential Evolution Algorithm for Constrained Optimization** **Authors:** Yan Zhang and Zhaobin Liu
16:25-17:25	**Session 4: Computation Technologies for Cloud Computing**
16:25-16:35	**Paper title: A Multi-candidate Electronic Voting Scheme with Unlimited Participants** **Authors:** Xi Zhao, Yong Ding and Quanyu Zhao
16:35-16:45	**Paper title: Development and Design of Micro-course System Based on Wechat Platform** **Authors:** Xiaoxiao Chen and Xiaodong Yan
16:45-16:55	**Paper title: Rough set Model Under Different Granular Computing** **Authors:** Xiaoting Sun, Xinting Tang, Xiaofeng Zhang, Hongjiang Gao and Kun Zhou
16:55-17:05	**Paper title: A Chinese Geographic Knowledge Base for GIR** **Authors:** Jian Li, Rui Liu and Rui Xiong
17:05-17:15	**Paper title: A New Quantum Rotation Angle of Quantum-Inspired Evolutionary Algorithm for TSP** **Authors:** Li Jialin
17:15-17:25	**Paper title: Image Classification with Deep Belief Networks and Improved Gradient Descent** **Authors:** Gang Liu, Liang Xiao and Caiquan Xiong
17:30-19:30	**Banquet**
	Room 3
13:30-15:55	**Session 5: Security, Safety and Reliability**
13:30-13:40	**Paper title: Partition ORAMs Combined with Novel Client Eviction Mechanism** **Authors:** Bo Li and Zheli Liu

13:40-13:50	**Paper title: Privacy-preserving ID3 Data Mining over Encrypted Data in Outsourced Environments with Multiple Keys** **Authors:** Li Ye, Zoe L. Jiang, Xuan Wang and Siu Ming Yiu
13:50-14:00	**Paper title: A Target Tracking Algorithm Based on Path Virtual Force** **Authors:** Li Tan, Yaoyao Jiao, Weijun Su, Minghua Yang and Chaoyu Yang
14:00-14:10	**Paper title: A Data Masking Scheme for Sensitive Big Data Based on Format-Preserving Encryption** **Authors:** Baojiang Cui, Baihui Zhang and Kaiyue Wang
14:10-14:20	**Paper title: Statistical Model to Validate A Metaprocess-Oriented Methodology Based on RAS** **Authors:** Javier Dario Fernandez Ledesma
14:20-14:30	**Paper title: An Ensemble Random Forest Algorithm for Insurance Big Data Analysis** **Authors:** Ziming Wu and Weiwei Lin
14:30-14:40	**Paper title: A Replay-attack Resistant Authentication Scheme for the Internet of Things** **Authors:** Yuxiang Feng, Wenhao Wang, Yukai Weng and Huanming Zhang
14:40-14:50	**Paper title: A Volumetric Shape Registration Based on Locally Affine-Invariant Constraint** **Authors:** Dan Kang, Xiuyang Zhao, Dongmei Niu and Mingjun Liu
14:50-15:00	**Paper title: Policy Based on Homomorphic Encryption and Retrieval Scheme in Cloud Computing** **Authors:** Yong Ding, Xiumin Li and Bo Han
15:00-15:10	**Paper title: Detecting Type and Size of Road Crack with the Smartphone** **Authors:** Yingying Kong, Zhiwen Yu, Huihui Chen, Zhu Wang, Chao Chen and Bin Guo
15:10-15:20	**Paper title: Related Key Chosen IV Attack on Stream Cipher Espresso Variant** **Authors:** Ming xing Wang, Dongdai Lin
15:20-15:30	**Paper title: Finding Android Malware Trace From Highly Imbalanced Network Traffic** **Authors:**Ying Pang,Zhenxiang Chen, Xiaomei Li, Shanshan Wang,Chuan Zhao, Lin Wang, Ke Ji, Zicong Li
15:30-15:45	**Coffee Break**
15:45-15:55	**Paper title: DDOS Attack Detection System Based on Analysis of Users Behaviors for Application Layer** **Authors:** Bi Meng, Wang Andi, Xu Jian, Zhou Fucai

15:55-16:35	**Session 1: Advanced Networking and Systems**
15:55-16:03	**Paper title: Kernel Bilinear Discriminant Analysis for Face Recognition** **Authors:** Xiaozhang Liu
16:03-16:11	**Paper title: Research on Personalized Hybrid Recommendation Method of Commodity Based on Context** **Authors:** Shanguo Lv
16:11-16:19	**Paper title: An Optimized Strategy for Small Files Storing and Accessing in HDFS** **Authors:** Yanfeng Lyu, Xunli Fan and Kun Liu
16:19-16:27	**Paper title: An Improvement of Distributed Indexing Method Based on the Map/Reduce** **Authors:** Shuxian Sun, Rui Liu, Junlong Chen, Feng Yang and Jinyu Liu
16:27-16:35	**Paper title: A New Dynamic Energy-based Clustering Model for Wireless Sensor Networks** **Authors:** Zhiping Fan, Musheng Cai and Xie Li
17:30-19:30	**Banquet**
	Room 4
13:30-16:01	**Session 2: Data Analysis and Applications**
13:30-13:38	**Paper title: The Research of Texture Transmission Algorithm Combined with Texture Synthesis** **Authors:** Xiaoting Sun and Yujuan Sun
13:38-13:46	**Paper title: The Detection and Recognition of Bridges Cracks Based on Deep Belief Network** **Authors:** Xuejun Wang,Yan Zhang
13:46-13:54	**Paper title: Analysis on the Internal Control of Enterprise Accounting under Computer Network Environment** **Authors:** Yanling Hu
13:54-14:02	**Paper title: Research on the Frequency Spectrum of Electric Bicycle DC Fault Arc** **Authors:** Chen Guo, Zibo Qi, Wei Gao and Ying Wu
14:02-14:10	**Paper title: Optimal Schedule on A Special Home and Away Double-loop Rule** **Authors:** Xu Zhenyu, Du Chuanbin, Li Xicheng and Qiu Baojian
14:10-14:18	**Paper title: Digital Image Watermarking using Dual-scrambling and Singular Value Decomposition** **Authors:** Wang Tao

14:18-14:26	Paper title: The Development of AC Fault Arc Simulation Test Device with Arc Breaking Function Authors: Zibo Qi, Kaili Xu, Wei Gao and Chen Guo
14:26-14:34	Paper title: A Improved Method for Detection of The Pedestrian Flow Based on RFID Authors: Yuanyuan Fan and Qingzhong Liang
14:34-14:42	Paper title: Research on Recognition of Landslides with Remote Sensing Images Based on Extreme Learning Machine Authors: Hui Xu,Xiang Li,Wenyin Gong
14:42-14:50	Paper title: An improved weighted LeaderRank Algorithm for Identifying Influential Spreaders in Complex Networks Authors: Zhen Hao, Zhang,Guo Ping, Jiang,Yu Rong Song,Ling Ling Xia,Qi Chen
14:50-14:58	Paper title: A Method of Data Obfuscation Based on Monte Carlo Random Monotone Function Authors: Yannan Qin, Lin Li, Zhang Yongxin and Ding Yanhui
14:58-15:06	Paper title: An Improved Activity Recognition Method Based on Smart Watch Data Authors: Dengpan Tian,Xiaowei Xu,Ye Tao,Xiaodong Wang
15:06-15:14	Paper title: Analysis Model for Fire Accidents of Electric Bicycle Based on Data Mining Technology Authors: Ying Wu, Simiao Liu, Chen Guo and Jian Xu
15:14-15:22	Paper title: The Node Influence Analysis in Social Networks Based on Structural Holes and Degree Centrality Authors: Xiaohui Zhao, Sai Guo and Yanlei Wang
15:22-15:30	Paper title: Research on Technology, Algorithm and Application of Web Mining Authors: Yeqing Li
15:30-15:45	**Coffee Break**
15:45-15:53	Paper title: A Sentiment Analysis Method of Short Texts in Microblog Authors: Jie Li and Lirong Qiu
15:53-16:01	Paper title: Mining Web Access Sequence With Improved Apriori Algorithm Authors: Jun Yang, Haoxiang Huang and Xiaohui Jin
17:30-19:30	**Banquet**
	Room 5
13:30-14:58	Session 3: Information Hiding and Security

13:30-13:38	**Paper title: Password Guessing Based on LSTM Recurrent Neural Networks** **Authors:** Lingzhi Xu, Can Ge, Weidong Qiu, Zheng Huang, Jie Guo, Zheng Gong and Huijuan Lian
13:38-13:46	**Paper title: Bernoulli Box-particle Smoothing for Detection and Tracking under Interval Measurement** **Authors:** Sunyong Wu, Qiutiao Xue, Qiaojiao Ning, Congnan Gui and Xingli Gan
13:46-13:54	**Paper title: Malware Detection and Classification Based on n-grams Attribute Similarity** **Authors:** Fuyong Zhang and Ying Ma
13:54-14:02	**Paper title: The Design and Implementation of an Anti-Reverse-Engineering Tool of Executable Files on the Windows Platform** **Authors:** Chenke Luo, Feng Yuan and Jian Xu
14:02-14:10	**Paper title: Incident Duration Predication Based on Traffic Boardcasting Information** **Authors:** Cuicui Ru, Mao Feng, Jianhao Li and Haitao Yu
14:10-14:18	**Paper title: A Temperature Measure Method Based on Wireless Communication** **Authors:** Zizhen Wang and Chenggang Wang
14:18-14:26	**Paper title: Research on Hotspot Topic Discovery Algorithm Based on Web Mining Technology** **Authors:** Yeqing Li
14:26-14:34	**Paper title: A Transparent Encryption Scheme of Video Data for Android Devices** **Authors:** Pengfei Pang, Khaled AOURRA, Yuan Xue, YuanZhang Li, QuanXin Zhang
14:34-14:42	**Paper title: A High Efficiency Encryption Scheme of Dual Data Partitions for Android Devices** **Authors:** Fanjiao Meng, Jiamin Zheng, Xiao Yu, Changyou Zhang, Yu-An Tan
14:42-14:50	**Paper title: Modeling and Practise of Satellite Communication Systems using Physical Layer Security** **Authors:** Yuan Gao, Hong Ao, Zhou Quan, Zenghui Feng, Weigui Zhou, Su Hu and Xiangyang Li
14:50-14:58	**Paper title: An Efficient and Secure Deduplication Scheme Based on Rabin Fingerprinting in Cloud Storage** **Authors:** Haonan Su, Dong Zheng and Yinghui Zhang
14:58-16:35	**Session 4: Privacy, Trust and Dependable Computing**
14:58-15:08	**Paper title: A Cloud Aided Privacy-Preserving Profile Matching Scheme In Mobile Social Networks**

	Authors: Qiong Cheng and Chongzhi Gao
15:08-15:18	**Paper title: A Novel Neighborhood-dependent Mutation Operator for Differential Evolution** **Authors:** Guo Sun and Yiqiao Cai
15:18-15:28	**Paper title: A SDIO-interface Wi-Fi Packet Capture Scheme Based on Android Kernel Extension** **Authors:** Xiaochun Yang, Hongfei Zhu, Xiaosong Zhang and Quanxin Zhang
15:30-15:45	**Coffee Break**
15:45-15:55	**Paper title: Java Source Code Protection Based on JNI and AES Algorithm** **Authors:** Hong Zhao and Nan Guo
15:55-16:05	**Paper title: Comparison of Four Local Invariant Characteristics Based on Palm Vein** **Authors:** Li Wei and Yuan Weiqi
16:05-16:15	**Paper title: Multi-view Action Recognition Method Based on Regularized Extreme Learning Machine** **Authors:** Wei He, Bo Liu and Yanshan Xiao
16:15-16:25	**Paper title: Cloud Security Gateway Based on Real-time Processing** **Authors:** Jingsi Ren
16:25-16:35	**Paper title: Fault Attack on an Improved CRT-RSA algorithm with the Modulus Chaining Method** **Authors:** Fanyu Kong, Dashui Zhou, Yali Jiang, Jianwei Shang and Jia Yu
16:35-16:45	**Paper title: Hidden Path: Dynamic Software Watermarking Based on Control flow Obfuscation** **Authors:** Zhe Chen, Chunfu Jia, Donghui Xu
17:30-19:30	**Banquet**

July 23, 2017

8:40-10:40	**Keynote talks**
8:40-9:40	**Talk title：Data Analytics: Selected Insights into Data Quality, Associations, and Information Granules** **Keynote speaker**: **Witold Pedrycz** (University of Alberta, Canada)

9:40-10:40	**Talk title: TBA** **Keynote speaker: Jianwei Niu** (Beihang University, China)
10:40-11:00	**Coffee Break**
11:00-12:00	**Keynote talks**
11:00-12:00	**Talk title : Verifiable Large Database With Efficient Update** **Keynote speaker**: **Xiaofeng Chen** (Xidian University, China)
12:00-13:30	**Lunch**
	Room 1
13:30-16:35	**Session 2: Advanced Scientific and Engineering Applications**
13:30-13:40	**Paper title：Multi-Classification for Malicious URL Based on Improved Semi-supervised Algorithm** **Authors：** Jun Yang, Pengpeng Yang, Xiaohui Jin and Qian Ma
13:40-13:50	**Paper title：An Estimation of Distribution Algorithm Based Load-balanced Clustering of Wireless Sensor Networks** **Authors:** Dongbin Jiao, Liangjun Ke, Weibo Yang and Jing Li
13:50-14:00	**Paper title: Path Self-Deployment Algorithm of Three-Dimensional Space in Directional Sensor Networks** **Authors:** Li Tan, Chaoyu Yang, Minghua Yang and Xiaojiang Tang
14:00-14:10	**Paper title: Establishment of data collection and transmission optimization model Based on TRIZ** **Authors:** Shanshan Zhao, Min Gai, Yan Li and Xiaomei Yu
14:10-14:20	**Paper title: Improved RFID Anti-collision Algorithm Based on Quad-tree** **Authors:** Hui Guan and Yan Zhang
14:20-14:30	**Paper title: Name Disambiguation for Chinese Scientific Authorss with Multi-level Clustering** **Authors:** Simeng Sun, Hui Zhang, Ning Li and Yong Chen
14:30-14:40	**Paper title: A Hierarchical Framework with Consistency Trade-off Strategies for Big Data Management** **Authors:** Yingyi Yang
14:40-14:50	**Paper title: Developing Mathematics Mobile Game to Enhance Learning for Children** **Authors:** Hadi Sutopo, Wisnu Pamungkas

14:50-15:00	**Paper title: Segmentation of Pulmonary CT Image by Using Convolutional Neural Network Based on Membership Function** Authors: Jun Xu, Hui Liu
15:00-15:10	**Paper title: Adaptive Differential Evolution with Landscape Modality Detection for Global Optimization** Authors: Chi Shao, Guo Sun, Meng Zhao, Yiqiao Cai
15:10-15:20	**Paper title: An Energy Aware Mass Memory unit for small satellites using Hybrid Architecture** Authors: AOURRA Khaled, QuanXin Zhang
15:20-15:30	**Paper title: An Anti-forensics Method against Memory Acquiring for Android Devices** Authors: Jiamin Zheng, Yu-An Tan, Xiaosong Zhang, Chen Liang, Changyou Zhang, Jun Zheng
15:30-15:45	**Coffee Break**
15:45-15:55	**Paper title: Design and Implementation of A Unified MOOC Recommendation System for Social Work Major: Experiences And Lessons** Authors: Xiaxu He,Pengfei Liu,Weifeng Zhang
15:55-16:05	**Paper title: The Development of AC Arc Fault Simulation Test Device with Arc Breaking Function** Authors: Qi Zibo, Gao Wei, Guo Chen, Xu Kaili
16:05-16:15	**Paper title: Empirical Study on the Construction of A Unified Information System with Big Data Analysis** Authors: Xiaxu He,Pengfei Liu
16:15-16:25	**Paper title: Practical Optimization for Wireless Network with Network Coding and SIC** Authors: Haiping Wang;Sanfeng Zhang
16:25-16:35	**Paper title: A Donation Heterogeneity Public Goods Game on High Clustering Coefficient and Adjustable Power-law Network** Authors: Ping Miao, Yunsheng Deng and Hongyong Yang
16:35-17:15	**Session 5: Miscellaneous**
16:35-16:45	**Paper title: Optimization of 3D Reconstruction Technique for CT Image and Analysis of the Derived Model** Authors: Zhao Jin, Guoqiang Yuan and Hui Liu
16:45-16:55	**Paper title: Chinese-Uyghur-English Semantic Search Based on the Knowledge Graphs** Authors: Lirong Qiu, Na Yang and Maierdan Maolimamuti
16:55-17:05	**Paper title: The Design and Implementation of Chinese-Uighur-English Online Dictionary Based on Knowledge Graph** Authors: Lirong Qiu, Huan Yang and Rong Zhou

17:05-17:15	**Paper title: Research and Analysis of Semantic Search technology Based on Knowledge Graph** **Authors:** Zhenhao Zhang, Yurong Song, Guoping Jiang, Lingling Xia and Qi Chen
17:30-19:30	**Banquet**
	Room 2
13:30-16:55	**Session 4: Computation Technologies for Cloud Computing**
13:30-13:40	**Paper title： Identity-Based Proxy Signature Multiple-File PDP for Mobile Cloud Computing** **Authors：** Yuan Yuan and Fu Xie
13:40-13:50	**Paper title： An Approach for Inferring Causal Directions from Multi-dimensional Networks** **Authors：** Yinghan Hong, Zhifeng Hao, Guizhen Mai, Bingfeng Chen and Rui Xie
13:50-14:00	**Paper title： A Virtual Network Embedding Algorithm Based on RBF Neural Network** **Authors：** Hui Zhang, Xiangwei Zheng, Jie Tian and Qingshui Xue
14:00-14:10	**Paper title： Association Graph Based Jamming Detection in Multi-Hop Wireless Networks** **Authors：** Xianglin Wei, Fei Hu, Qin Sun and Tongxiang Wang
14:10-14:20	**Paper title: A Feature Space Learning Model Based on Semi-Supervised Clustering** **Authors:** Renchu Guan, Xu Wang, Maurizio Marchese, Yanchun Liang and Chen Yang
14:20-14:30	**Paper title: GSA-based Jammer Localization in Multi-Hop Wireless Network** **Authors:** Tongxiang Wang, Xianglin Wei, Qin Sun and Fei Hu
14:30-14:40	**Paper title: Partial Least Squares Regression Based Facial Age Estimation** **Authors:** Run Xiang, Xueqiang Zeng and Sufen Chen
14:40-14:50	**Paper title: A Centralized Service Discovery Algorithm Via Multi-stage Semantic Service Matching in Internet of Things** **Authors:** Bing Jia and Wuyungerile Li
14:50-15:00	**Paper title: Design and Implementation of Load Balancing Strategy in OpenStack Cloud Platform** **Authors:** Dong Li, Zedan Zheng, Yi Li and Yang Xu
15:00-15:10	**Paper title: QoS-Based Service Selection Method for Big Data Service Composition** **Authors:** Dong Li, Jiechu Wu, Zehang Deng, Zelin Chen and Yang Xu

15:10-15:20	**Paper title: Secure Logging and Public Audit for Operation Behavior in Cloud Storage** Authors: Zhaoyi Chen, Hui Tian, Jing Lu, Yiqiao Cai, Tian Wang and Yonghong Chen
15:20-15:30	**Paper title: Developing a Lock-free Scheduling on Manycore Computer** Authors: Zhishuo Zheng and Deyu Qi
15:30-15:45	**Coffee Break**
15:45-15:55	**Paper title: Research on Scene Parsing Algorithm Cascading Object Detection Network** Authors: Xi Guo, Yuanzhen Wen, Dongyuan Ma, Yuhui Jin and Haitao Yu
15:55-16:05	**Paper title: Practical Optimization for Wireless Network with Intra-session Network Coding and SIC** Authors: Haiping Wang
16:05-16:15	**Paper title: Impact Analysis of Air Pollutants on the Air Quality Index in Jinan Winter** Authors: Liye Song
16:15-16:25	**Paper title: A real-time transaction processing strategy supporting compensatory task** Authors: Wenle Wang, Yuanlong Cao, Jun Gong, Zhifen Li
16:25-16:35	**Paper title: How Perceived Factors of Review Contents Influence Consumers Purchase Decision** Authors: Kang Miao, Qinghong Yang, Xing Wei, Xiaoping Du, Jianwei Zhang
16:35-16:45	**Paper title: Containerized Resource Provisioning Driven by User Preference** Authors: Ye Tao, Xiaodong Wang and Xiaowei Xu
16:45-16:55	**Paper title: Automatic Planning on Sequence of Operations Based on Entity-flow Model towards Pipelining Manufacturing System** Authors: Mincong Yu and Deyu Qi
17:30-19:30	**Banquet**
	Room 3
13:30-16:33	**Session 1: Advanced Networking and Systems**
13:30-13:38	**Paper title: Random Walk on Undirected Networks Based on the Neighbor Nodes Degree Distribution** Authors: Meisheng Li, Wenjun Xiao, Zhengwen Lai and Zhanying

	Zhang
13:38-13:46	**Paper title: Research and Optimization of Hydraulic Simulation in Gas Pipeline Network** **Authors:** Lei Xiao, Kejiang Liu and Xincai Zhuang
13:46-13:54	**Paper title: Study on End Face Defect Detection Method of Bearing Internal Ring** **Authors:** Li Wei
13:54-14:02	**Paper title: Network Intrusion Detection Based on Random Forest and Support Vector Machine** **Authors:** Yaping Chang, Wei Li and Zhongming Yang
14:02-14:10	**Paper title:Intrusion Detection using Deep Belief Network and Probabilistic Neural Network** **Authors**: Zhao Guangzhen, Zhang Cuixiao and Zheng Lijuan
14:10-14:18	**Paper title: Complex-Network-Based Supply Chain Relationships Inference In Cloud Logistics Services** **Authors:** Chijun Zhang, Mingzhe Xu and Chunyan Qiu
14:18-14:26	**Paper title: Multi-objective Virtual Network Embedding Algorithm Based on Global Resource Capacity** **Authors:** Zhen Li, Xiangwei Zheng, Yuang Zhang and Qingshui Xue
14:26-14:34	**Paper title: Indoor Pedestrian Trajectory Detection with LSTM Network** **Authors:** Jin Li, Qiang Li, Nanxi Chen and Yingguan Wang
14:34-14:42	**Paper title:An Evolutionary Algorithm Using Multi-Strategy Combination for Single Objective Optimization Problem** **Authors:** Jinhui Chen, Junying Chen and Huaqing Min
14:42-14:50	**Paper title: A General Architecture of IoT System** **Authors:** Weigong Lv, Fanchao Meng, Ce Zhang, Yuefei Lv, Ning Cao, Jianan Jiang
14:50-14:58	**Paper title: Research and Application of Cow Estrus Detection Based on the Internet of Things** **Authors:** Ting Xia,Changqing Song,Junqing Li,Ning Cao,Chunyan Li,Gang Xu,Feifei Xu,Jifeng Liu,Russell Higgs,Gregory M.P. O'Hare,Guofu Chang,Cuinan Yang,Qiang Zhou
14:58-15:06	**Paper title: Implementation of Temperature-Measuring System Based on ZigBee Technology The Technology Research on Sensor Network** **Authors:** Zizhen Wang
15:06-15:14	**Paper title: Filter Anchor Node Localization Algorithm Based on RSSI for Underground Mine Wireless Sensor Networks** **Authors:** Wangsheng Fang, Hui Wang and Zhongdong Hu

15:14-15:22	**Paper title: A High-Speed Network Data Acquisition System Based on Big Data Platform** **Authors:** Jingling Zhao, Congxian Yin, Xiaohui Jin and Weiliang Liu
15:22-15:30	**Paper title: Dynamical Resource Allocation Controller Research Based on Flow Aware in Content Distribution Networks** **Authors:** Yong Zhou
15:30-15:45	**Coffee Break**
15:45-15:53	**Paper title: A Code Self-Relocation Method for Embedded System Authors:** Xinyu Tang, Changyou Zhang, Chen Liang, Khaled Aourra and Yuanzhang Li
15:53-16:01	**Paper title: The Construction of the Integration of a Water and Fertilizer SmartIrrigation System Based on the Internet of Things** **Authors:** Peng Zhang, Qian Zhang, Fusheng Liu, Junqing Li, Ning Cao, and Changqing Song
16:01-16:09	**Paper title: Teaching Quality Evaluation System of Part-time Teachers** **Authors:** Pang Lixin, Yao Ning, Wang Yue, Yao Zhang and Lu Xinxi
16:09-16:17	**Paper title: The Ethical Dilemmas of Virtual Reality Application in Entertainment** **Authors:** Jingdong Jia and Wenchao Chen
16:17-16:25	**Paper title: A Non Unit Time-Task Scheduling Algorithm with Constraints** **Authors:** Zhongming Yang, Shen Fu and Zhaoquan Cai
16:25-16:33	**Paper title: A Dynamic Conditional Random Field Based Framework for Sentence-level Sentiment Analysis of Chinese Microblog** **Authors:** Zhifeng Hao, Ruichu Cai, Yang Yiyang, Wen Wen and Lixin Liang
16:33-17:29	**Session 3: Miscellaneous**
16:33-16:41	**Paper title: Equitable Neighbor Sum Distinguishing Edge Colorings of Some Graphs** **Authors:** Jihui Wang
16:41-16:49	**Paper title: Review of Development and Construction of Uyghur Knowledge Graph** **Authors:** Lirong Qiu and Huili Zhang
16:49-16:57	**Paper title: Neighbor Sum Distinguishing Total Colorings of Graphs with Bounded Maximum Degree and Maximum Average**

	Degree Authors:Baojian Qiu, Jihui Wang, Yan Liu and Zhenyu Xu
16:57-17:05	**Paper title: A Specular Reflection Removal Method for Ocean Surface Images** Authors:Shengke Wang, Changyin Yu, Yujuan Sun, Junyu Dong
17:05-17:13	**Paper title: The Research of Signal Processing of the Control System Based on Electromyography Signal** Authors: Changsong Li, Yiqi Zhou
17:13-17:21	**Paper title: A Fast Image Matting Method Based on Interval-line Sampling** Authors:Hu Wang, Zhongming Yang, Congbo Ma and Hongyue Wu
17:21-17:29	**Paper title: FCM-based image segmentation with kernel functions** Authors: Xinting Tang, Xiaofeng Zhang, Hongjiang Gao and Kun Liu
17:30-19:30	**Banquet**
	Room 4
13:30-14:40	**Session 1: Software and Programming Tools**
13:30-13:40	**Paper title: Automatic User Interface Generating for Simple Interaction in Pervasive Computing** Authors: Yongzhi Yang, Peng Zou and Yun Xiang
13:40-13:50	**Paper title: A High-performance Network-on-Chip Topology for Neuromorphic Architectures** Authors: Mehdi Modarressi and Nasrin Akbari
13:50-14:00	**Paper title: A Survey of Thermal-Aware Routing Protocols in Wireless Body Area Networks** Authors: Wei Jiang, Zichun Wang, Meng Feng and Tiantian Miao
14:00-14:10	**Paper title: Three - dimensional DV-Hop Location Technology for Coal Mine Based on WSNs** Authors: Yezhen Luo and Zhen Luo
14:10-14:20	**Paper title: A Novel P2P Service Discovery Algorithm Based on Markov in Internet of Things** Authors: Bing Jia and Wuyungerile Li
14:20-14:30	**Paper title: Joint Cell Activation and User Association for Green Communications in Ultra-Dense Heterogeneous Networks** Authors: Tianqing Zhou, Nan Jiang, Dong Qin, Zunxiong Liu, Chunguo Li

14:30-14:40	**Paper title: An Efficient CPA-Secure Encryption Scheme with Equality Test** **Authors:** Han Jiang, Qiuliang Xu, Changyuan Liu, Zhe liu
14:40-16:05	**Session 2: Applications and Architectures**
14:40-14:50	**Paper title: Movie Recommendation System employing the User-based CF in cloud computing** **Authors:** Tianqi Zhou and Lina Chen
14:50-15:00	**Paper title: Secure Public Audit for Operation Behavior Logs in Shared Cloud Storage** **Authors:** Zhaoyi Chen, Hui Tian, Jing Lu, Yiqiao Cai, Tian Wang and Yonghong Chen
15:00-15:10	**Paper title: Simulation of DCS Control System for Dimethyl Ether Plant** **Authors:** Yani Zhang
15:10-15:20	**Paper title: Towards Location and Trajectory Privacy Preservation in 5G Vehicular Social Network** **Authors:** Li Hui, Liao Dan, Sun Gang, Zhang Ming and Victor Chang
15:20-15:30	**Paper title: A Practical Joint Network-Compressed Coding Scheme for Energy-Efficient Data Gathering in Cooperative Wireless Sensor Networks** **Authors:** Xingcheng Liu, Kai Cao, Feng Han, Paul Cull
15:30-15:45	**Coffee Break**
15:45-15:55	**Paper title: Uplink Resource Scheduling for Power Wireless Private Network Based on NB-IoT and LTE Hybrid Transmission** **Authors:** Zhijun Zhuang, Lei Feng, Peng Yu, Wenjing Li
15:55-16:05	**Paper title: The Construction of a Remote Control and Data Collection System of CAI based** **Authors:** Junqing Li, Changqing Song, Ning Cao, Russell Higgs, Gregory M.P. O'Hare, Cuinan Yang, Qiang Zhou
16:05-16:37	**Session 1: IoT Applications and Tools**
16:05-16:13	**Paper title: Research on Application of Local Fruit E-commerce Based on Internet of Things** **Authors:** Yan Huang, Chuanai Zhou and Ning Cao
16:13-16:21	**Paper title: Recurrent Neural Network Based classication of ECG signal Features for Obstruction of Sleep Apnea Detection** **Authors:** Maowei Cheng, Worku J. Sori, Feng Jiang, Adil Khan, Shaohui Liu

16:21-16:29	**Paper title: Protect Sensitive Information Against Channel State Information Based Attacks** Authors: Jie Zhang,Zhanyong Tang,Rong Li, Xiaojiang Chen, XiaoQing Gong, Dingyi Fang, Zheng Wang
16:29-16:37	**Paper title: Service Area Sewage Quality Monitoring System Based on Wireless Sensor Network** Authors: Bo Li, Geng Chen, Le Wang
16:37-17:09	**Session 2: Data Science**
16:37-16:45	**Paper title: Optimized Password Recovery for SHA-512 on GPUs** Authors: Can Ge, Lingzhi Xu, Weidong Qiu, Zheng Huang, Jie Guo, Zheng Gong and Guozhen Liu
16:45-16:53	**Paper title: VMR: Virtual Machine Replacement Algorithm for QoS and Energy-Awareness in Cloud Data Centers** Authors: Riaz Ali, Yao Shen, Xiangwei Huang, Jingyu Zhang and Ahmad Ali
16:53-17:01	**Paper title: Monitoring of Inefficient Land Use with High Resolution Remote Sensing Image in a Chinese Mega-City** Authors: Yingqiang Song, Zhuokun Pan, Yilun Liu, Wu Zhou, Yueming Hu,Xuesen Cui
17:01-17:09	**Paper title: Coverage Hole Detection and Recovery in Wireless Sensor Networks Based on RSSI-Based Localization** Authors: Shuangjiao Zhai, Zhanyong Tang, Dajin Wang, Zhanglei Li, Xiaojiang Chen, Dingyi Fang, Feng Chen
17:30-19:30	**Banquet**
	Room 5
13:30-14:10	**Session 3: Mobile Systems and Technologies**
13:30-13:40	**Paper title: Efficient Format-Preserving Encryption Mode for Integer** Authors: Shuang Liang, Yanan Zhang, Jiansheng Guo, Changqing Dong, Zheli Liu and Chunfu Jia
13:40-13:50	**Paper title: Embedded Middleware for Distributed Raspberry Pi Device to Enable Big Data Applications** Authors: Siddharth Bhave, Matt Tolentino, Henry Zhu and Jie Sheng
13:50-14:00	**Paper title: Node localization Based on Incremental LMS Algorithm With Variable Step Size**

	Authors: Mou Wu, Wenhua Dai, Zhongyou Wang and Siping Hu
14:00-14:10	**Paper title: A Practical One-time File Encryption Protocol for IoT Devices** **Authors:** Biao Wei, Guohong Liao, Weijie Li and Zheng Gong
14:10-16:05	**Session 4: System and Computing Technologies**
14:10-14:20	**Paper title: Overhead Control Heuristics in Boundary Fair Real-time Multiprocessor Scheduling** **Authors:** Muhammad Naeem Shehzad, Anne-Marie Deplanche, Yvon Trinquet and Richard Urunuela
14:20-14:30	**Paper title: An Optimized Speculative Execution Strategy Based on Local Data Prediction in a Heterogeneous Hadoop Environment** **Authors:** Xiaodong Liu and Qi Liu
14:30-14:40	**Paper title: An Improved Smartphone-based Non-Participatory Crowd Monitoring System in Smart Environments** **Authors:** Tarun Kulshrestha, Divya Saxena, Dhaval Patel and Manoj Misra
14:40-14:50	**Paper title: Prediction Based Run-Time Reconfiguration on Many-core Embedded Systems** **Authors:** Zheng Li, Shuibing He and Wang Li
14:50-15:00	**Paper title: Malicious Behavior Analysis of Android GUI Based on ADB** **Authors:** Li Yang, Lijun Wang and Dongdong Zhang
15:00-15:10	**Paper title: Design of an Intelligent Management System for Agricultural Greenhouses Based on the Internet of Things** **Authors:** Zhaochan Li,JinlongWang, Russell Higgs,Li Zhou and Wenbin Yuan
15:10-15:20	**Paper title: A Novel Quantum Ant Colony Algorithm Used for Campus Path Navigation** **Authors:** Qin Yong and Binbin Cheng
15:20-15:30	**Paper title: Design and Instrumentation of Portable Monitoring System for Acoustic Measurement Based on Aquatic Density** **Authors:** Daoliang Li, Murtaza Hassan, Khurshied ahmed Khan, Adnan abbas and Sehrish Bano
15:30-15:45	**Coffee Break**
15:45-15:55	**Paper title: A Survey on Deep Learning in Big Data** **Authors:** Mehdi Gheisari, Guojun Wang, Md Zakirul Alam Bhuiyan
15:55-16:05	**Paper title: A Study on the Reservoir Intelligent Inspection System Based on the Internet Things Technology**

	Authors: Qiang Yue, Fusheng Liu, Changqing Song, Yanmin Liu, Ning Cao, Russell Higgs, Junqing Li, Gregory M.P. O'Hare, Cuinan Yang, Qiang Zhou
17:30-19:30	**Banquet**

July 24, 2017

	Room 1
8:30-9:30	**Session 3: Data Management and Security**
8:30-8:40	**Paper title: Wireless Sensor Routing Protocol Research Based on Forest Fire Protection** Authors: Yuanyuan Zhang, Ning Cao and Guofu Chang
8:40-8:50	**Paper title: The research of elderly health-care in wireless sensor networks** Authors: Wenbin Yuan, Ning Cao and Yingying Wang
8:50-9:00	**Paper title: Optimizing Pharmacy-based Distribution of Pandemic Influenza Antiviral Drugs Based on Large urban network** Authors: Chijun Zhang, Yetong Dai and Jialing Han
9:00-9:10	**Paper title: Research on Spectrum Resource Allocation Based on Cognition in LTE System** Authors: Junshe Wang and Yanfei Wang
9:10-9:20	**Paper title: Classification of Urban Construction Land with Worldview-2 Remote Sensing Image Based on Classification and Regression Tree Algorithm** Authors: Wu Zhou, Yingqiang Song, Zhuokun Pan, Yilun Liu, Yueming Hu,Xuesen Cui
9:20-9:30	**Paper title: The Application of Data Mining Technology to Big Data** Authors: Jinlong Wang,Jing Liu,Ning Cao,Russell Higgs,Li Zhou,Chuanai Zhou
9:30-11:40	**Workshop 1: Data Analysis and Data Management**
9:30-9:40	**Paper title: A Security and Efficiency Authentication Scheme Based on Human-memorable Password** Authors: Jianming Cui and Ning Cao

9:40-9:50	Paper title: A More Secure and Practical Remote User Authentication Scheme for Multi-server Environment Authors: Jianming Cui and Ning Cao
9:50-10:00	Paper title: A Novel Approach to Improve Robustness of Data Mining Models Used in Cyber Security Applications Authors: Ning Cao and Yingying Wang
10:00-10:10	Paper title: The Design and Research of the Internet of Things Technology in the Training of Spatial Navigation Ability of Patients with Mild Cognitive Impairment Authors: Na Li, Yuzhen Xu, Xiuyan Li, Yi Zhai, Ning Cao, Chuahua Bi, Chenfei Qu, Hua Yu, Aijun Liu and Qi Xie
10:10-10:20	Paper title: The Comparisons of Different Hierarchical Routing Protocols in Wireless Sensor Networks Authors: Ning Cao, Mei Wu, Yingying Wang, Xiaoling Wang, Guangsheng Cao and Gang Wang
10:20-10:30	Paper title: A Multi-level Security Access Control Framework for Cross-Domain Networks Authors: Hongbin Zhang, Junshe Wang and Jiang Chang
10:30-10:40	Paper title: Mutual Authentication Protocol for RFID Based on ECC Authors: Lijuan Zheng, Yujuan Xue, Linhao Zhang and Rui Zhang
10:40-11:00	**Coffee Break**
11:00-11:10	Paper title: The Comparisons of Different Location-based Routing Protocols in Wireless Sensor Networks Authors: Ning Cao, Yingying Wang, Jianrui Ding, Chuanai Zhou, Yan Li, Yuanyuan Zhang, Xiaoling Wang, Chao Li and Hongjun Li
11:10-11:20	Paper title: Remote Monitor System Design of Edible Fungus Greenhouse Basing on ZigBee Authors: Xiaoling Wang,Shuang Han,Ning Cao,Wenbin Yuan
11:20-11:30	Paper title: Research on, and Development of, Data Extraction and Data Cleaning Technology Based on the Internet of Things Authors: Zhaochan Li, Lili Sun and Russell Higgs
11:30-11:40	Paper title: The Application of Dense Storage Integration Technology in Tobacco Logistics Centers Based on the Internet of Things Authors: Jinlong Wang,Zhaochan Li and Russell Higgs
12:00-13:30	**Lunch**
13:30-16:45	**Workshop 2: Software and Programming Tools**
13:30-13:40	Paper title: The Construction of the Integration of Water and Fertilizer Smart Water Saving Irrigation System Based on Big

	Data **Authors:** Peng Zhang, Qian Zhang, Fusheng Liu, Junqing Li, Ning Cao, and Changqing Song
13:40-13:50	**Paper title: The Development of Green Logistics Based on Internet of Things** **Authors:** Jing Liu, Zhaochan Li, Russell Higgs, Li Zhou and Guofu Chang
13:50-14:00	**Paper title: New Algorithm Enumerating Bent Functions Based on Value Distribution and Run Length** **Authors:** Yongbin Zhao and Ning Cao
14:00-14:10	**Paper title: An Improved Authentication Protocol Dependent on Registration Center for Multiserver Environment** **Authors:** Jianming Cui and Yong Huo
14:10-14:20	**Paper title: A Clustering Algorithm Oriented to Intrusion Detection** **Authors:** Wei Li, Zhongming Yang, Yaping Chang and Bin Zhang
14:20-14:30	**Paper title: Intelligent Refrigerator Based on Internet of Things** **Authors:** Shouming Qiao, Hongzhen Zhu, Lijuan Zheng and Jianrui Ding
14:30-14:40	**Paper title: The Research on Innovative Application of E-commerce in IoT Era** **Authors:** Pengfei Guo and Ning Cao
14:40-14:50	**Paper title: Research on Traceability of Agricultural Products Based on Internet of Things** **Authors:** Yongbin Zhao and Ning Cao
14:50-15:00	**Paper title: Potential Application of Biosensor in Food Nutrition Labeling** **Authors:** Yi Zhai, Tao Zhang, Na Li, Wenqian Qi, Meng Zhou, Hua Yu and Qi Xie
15:00-15:10	**Paper title: Design and Implementation of Human Health Monitoring Platform Based on Internet of Things Technology** **Authors:** Jianming Cui and Yingjian Liu
15:10-15:20	**Paper title: The Comparison of Single-hop and LEACH Protocols in Wireless Sensor Networks** **Authors:** Ning Cao, Guofu Chang and Yongbin Zhao
15:20-15:30	**Paper title: The Design of Greenhouse Monitoring System Based on ZigBee WSNs** **Authors:** Yan Liu and Chunhua Bi
15:30-15:45	**Coffee Break**
15:45-15:55	**Paper title: Research on the Application of IoT in E-commerce** **Authors:** Hua Yu and Xi Zhang

15:55-16:05	**Paper title: Analysis on the Application of the Internet of Things Technology to Jingdong Malls Supply Chain Management** Authors:Lili Sun,Jing Liu, Russell Higgs,Li Zhou
16:05-16:15	**Paper title: Layered Vaccination Strategy Study** Authors:Chijun Zhang, Qianyun Fu, Ruihong Zhou
16:15-16:25	**Paper title: Network Selection in HetNets for Advanced IoT Systems:A Demonstration Based on WiFi and LTE** Authors: Lina Xu and Ning Cao
16:25-16:35	**Paper title: Analysis of Clustering Routing Protocols and Evaluation Methods in Wireless Sensor Networks** Authors:Mei Wu, Ning Cao, Guofu Li, Yuanyuan Zhang and Chao Li
16:35-16:45	**Paper title: Research on Stochastic Modeling in Wide Aisle Order Picking System Blocking Based on Complex Network** Authors: Li Zhou, Xiaoqing Zhao and Ning Cao
17:30-19:30	**Banquet**
	Room 2
8:30-16:30	**Workshop 3: Distributed/Parallel Algorithms**
8:30-8:40	**Paper title: Research on Unified Architecture of IoT System** Authors: Weigong Lv, Fanchao Meng, Ce Zhang, Yuefei Lv and Ning Cao
8:40-8:50	**Paper title: The Research on the Scheduling Method of Server in Data-center** Authors: Shaohua Cao and Ning Cao
8:50-9:00	**Paper title: The Study of Dense Storage Integration Technology's Application Based on Internet of Things--Taking the Industry as an Example** Authors: Jinlong Wang, Zhaochan Li and Russell Higgs
9:00-9:10	**Paper title: The Study on the Life Signs of Clinical Patients Monitored by Electronic Wrist Band** Authors: Wenqian Qi and Yi Zhai
9:10-9:20	**Paper title: The Electronic Commerce In the Era of Internet of Things and Big Data** Authors: Jing Liu, Lili Sun, Russell Higgs, Yuanyuan Zhang and Yan Huang
9:20-9:30	**Paper title: A New Location Privacy Protection Algorithm** Authors: Lijuan Zheng, Huanhuan Yue, Linhao Zhang and Xiao Pan

9:30-9:40	**Paper title: Attribute-based Encryption Scheme Supporting Decryption Outsourcing and Attribute Revocation in Cloud Storage** **Authors:** Hongwei Liu, Ping Zhu, Zehong Chen, Peng Zhang and Zoe Jiang
9:40-9:50	**Paper title: Application of Wireless Sensor Network in Water Quality Monitoring** **Authors:** Yang Xu and Fugui Liu
9:50-10:00	**Paper title: Dynamic Data Operations with Deduplication in Privacy-Preserving Public Auditing for Secure Cloud Storage** **Authors:** Yulin Wu, Zoe L. Jiang, Xuan Wang, S.M. Yiu and Peng Zhang
10:00-10:10	**Paper title: A Mixed Strategies Differential Evolution Algorithm Adapting to Fitness Landscapes Characteristics** **Authors:** Wei Li, Kangshun Li, Liang Zhong and Ying Huang
10:10-10:20	**Paper title: Research on Low Power Hierarchical Routing Protocol in Wireless Sensor Networks** **Authors:** Aijun Liu, Xiujuan Fei and Ning Cao
10:20-10:30	**Paper title: Anonymous Attribute-Based Encryption with Large Universe and Threshold Access Structures** **Authors:** Yinghui Zhang and Dong Zheng
10:30-10:40	**Paper title: Dynamic Step Factor Based Firefly Algorithm for Optimization Problems** **Authors:** Wenjun Wang, Hui Wang, Xinyu Zhou, Jia Zhao, Li Lv, Hui Sun
10:40-11:00	**Coffee Break**
11:00-11:10	**Paper title: Global Pareto Optimality of Cone Decomposition of Bi-objective Optimization** **Authors:** Yu Wu, Bin Wu, Weiqin Ying, Yuehong Xie and Weipeng He
11:10-11:20	**Paper title: Three Dimensional Surface Reconstruction Based on the Reference Object and PMS** **Authors:** Zhenyu Guo and Yujuan Sun
11:20-11:30	**Paper title: An energy efficiency routing algorithm for Wireless Sensor Network** **Authors:** Huili Jia,Xunli Fan,Kun Liu,Yang Qian
11:30-11:40	**Paper title:Person Re-identification with Deep Features and Transfer Learning** **Authors:**Shengke Wang, Shan Wu, Lianghua Duan, Changyin Yu, Yujuan Sun and Junyu Dong
11:40-11:50	**Paper title: Analysis on Computer Automatic Identification of Low-Over Current for Conductor Insulating Lagging**

	Authors: Xinming Wang, Fang Xu, Sujun Liu and Ying Wu
11:50-12:00	**Paper title: A More Secure and Practical RemoEten vUisreorn Amuetnhtentication Scheme for Multi-server** **Authors:** Jianming Cui, Xiaojun Zhang, Yihui Liu, Ning Cao
12:00-13:30	**Lunch**
13:30-13:40	**Paper title:Tower Crane Remote Wireless Monitoring System Based on Modbus/TCP Protocol** **Authors:**Yang Ying and Li Bo
13:40-13:50	**Paper title:Interactive Visualization of the Maximum Intensity Projection Method** **Authors:**Li Bo, Huang Dechang and Li Tingting
13:50-14:00	**Paper title:Design of Sewage Monitoring System Based on ZigBee Wireless Sensor Network** **Authors:**Li Bo, Chen Gen and Wang Le
14:00-14:10	**Paper title:Object Classification Based on Point Clouds Covariance Descriptors** **Authors:**Zhang Heng, Zhuang Bin and Liu Yanli
14:10-14:20	**Paper title:Processed RGB-D SLAM Using Open-Source Software** **Authors:**Yanli Liu, Mengyu Zhu and Heng Zhang
14:20-14:30	**Paper title:Telecom Customer Clustering Via Glowworm Swarm Optimization Algorithm** **Authors:**Yanli Liu, Mengyu Zhu, Heng Zhang
14:30-14:40	**Paper title:An Improved Spatial-temporal Correlation Algorithm of WSNs Based on Compressed Sensing** **Authors:**Xin Xie，Jianan Wang， Fengping Hu，Nan Jiang， Songlin Ge
14:40-14:50	**Paper title:An Adaptive Multi-path Video Streaming Scalable Video Coding Algorithm** **Authors:**Yuejin Zhang, Aiyun Zhan, Gaoshuai Dai, Zhipeng Lin and Yunxiu Yang
14:50-15:00	**Paper title:A Blue Noise Pattern Sampling Methods to Prevent Aliasing** **Authors:**Aiyun Zhan, Yuejin Zhang, Zhipeng Lin and Gaoshuai Dai
15:00-15:10	**Paper title:Video Streaming Redundant Coding Methods Based on the Rate-distortion Optimized** **Authors:**Dan Zou, Yuejin Zhang, Juan Wang and Yunxiu Yang
15:10-15:20	**Paper title: Research on Network Driver Based on Embedded Processor** **Authors:** Yanwu Zhang,Lei Li,Bin Xue,Ning Cao,Yuyan Shen

15:20-15:30	**Paper title: Process Conformance Checking Based on Knowledge Graph** **Authors:**Ying Huang, Li Wei and Honghui Lai
15:30-15:50	**Coffee Break**
15:50-16:00	**Paper title: Analysis Model for Fire Accidents of Electric Bicycles Based on Principal Component Analysis** **Authors:**Wu Ying, Zhu Yongping, Xu Fang , Xu Jian
16:00-16:10	**Paper title: Analysis on the Application of Dense Storage Technology in Logistics Based on the IoT** **Authors:** Lili Sun, Jinlong Wang, Russell Higgs, Cuinan Yang
16:10-16:20	**Paper title: Research on Improved Physical Technology Discovery Based on SNMP** **Authors:** Jing Jiang,Xiaoli Xu,Ning Cao
16:20-16:30	**Paper title: Design of Network Driver Based on Embedded Processor** **Authors:** Bohua Guo,Lei Li,Bin Xue,Ning Cao,Yuyan Shen
17:30-19:30	**Banquet**