WASA 2019 Program

23-Jun-19	
[3:00 pm] to [7:00 pm]	[Registration] Second floor, in front of Room Hibicus

24-Jun-19	
[7:00 am] to [11:00 am]	[Registration] Second floor, in front of Room Hibicus
[7:00 am] to [8:30 am]	[Breakfast]Room Hibicus
[8:30 am] to [9:00 am] Room Hibiscus II	[Opening Session]
[9:00 am] to [10:00 am] Room Hibiscus II	Keynote 1 The Internet of Things and its Security Challenges Prof. Wenjing Lou
[10:00 am] to [10:30 am]	[Coffee Break] Room Hibicus
[10:30 am] to [11:30 am] Room Hibiscus II	Keynote 2 Internet of Things in the Era of AI Prof. Xiangyang Li
[11:30 am] to [1:30 pm]	[Break] Room Hibicus
[1:30 pm] to [3:00 pm] Room Carnation	Session 01: Anomaly Detections Detecting Anomalies in Communication Packet Streams based on Generative Adversarial Networks Di Zhang, Qiang Niu and Xingbao Qiu Wide and Recurrent Neural Networks for Detection of False Data Injection in Smart Grids Yawei Wang, Donghui Chen, Cheng Zhang, Xi Chen and Xiuzhen Cheng Detecting Android Side Channel Probing Attacks Based on System States Qixiao Lin, Jian Mao, Futian Shi, Shishi Zhu and Zhenkai Liang
[1:30 pm] to [3:00 pm] Room Plumeria	Session 02: Autonomous Vehicles and Aircraft I: Route Planing Optimal Transportation Network Company Vehicle Dispatching via Deep Deterministic Policy Gradient Dian Shi, Xuanheng Li, Ming Li, Jie Wang, Pan Li and Miao Pan Trajectory Comparison in a Vehicular Network I: Computing a Consensus Trajectory Peng Zou, Letu Qingge, Qing Yang and Binhai Zhu Trajectory Comparison in a Vehicular Network II: Eliminating the Redundancy Letu Qingge, Qing Yang, Peng Zou and Binhai Zhu
[1:30 pm] to [3:00 pm] Room Pakalana/Anthurium	Session 03: Algorithm: Edge Computing Building Trustful Crowdsensing Service on the Edge Biao Yu, Yingwen Chen, Shaojing Fu, Wanrong Yu and Xiaoli Guo An Efficient and Recoverable Data Sharing Mechanism for Edge Storage Yuwen Pu, Ying Wang, Feihong Yang, Jin Luo, Chunqiang Hu and Haibo Hu Online DAG Scheduling with On-demand Function Configuration in Edge Computing Liuyan Liu, Haoqiang Huang, Haisheng Tan, Wanli Cao, Panlong Yang and Xiang-Yang Li
[3:00 pm] to [3:30 pm]	[Coffee Break] Room Carnation
[3:30 pm] to [5:00 pm] Room Carnation	Session 04: Trustworthy Communication and Computation An Efficient Revocable Attribute-based Signcryption Scheme with Outsourced Designcryption in Cloud Computing Ningzhi Deng, Shaojiang Deng, Chunqiang Hu and Kaiwen Lei TIDS: Trust Intrusion Detection System based on Double Cluster Heads for WSNs Na Dang, Xiaowu Liu, Jiguo Yu and Xiaowei Zhang Trustroam: A Novel Blockchain-based Cross-Domain Authentication Scheme for Wi-Fi Access Chunlei Li, Qian Wu, Hewu Li and Jun Liu
[3:30 pm] to [5:00 pm] Room Plumeria	Session 05: Autonomous Vehicles and Aircraft II: Control and Monitoring Spatiotemporal Feature Extraction for Pedestrian Re-identification Ye Li, Guangqiang Yin, Shaoqi Hou, Jianhai Cui and Zicheng Huang An Integrated UAV Platform for Real-time and Efficient Environmental Monitoring Linyan Xu, Zhangjie Fu and Liran Ma Cooperative BSM dissemination in DSRC/WAVE based Vehicular Networks Lin Chen, Xiaoshuang Xing, Gaofei Sun, Jin Qian and Xin Guan

[3:30 pm] to [5:00 pm] Room Pakalana/Anthurium	Session 06: Algorithm: Optimization
	Minimum Control Cost of Weighted Linear Dynamic Networks Zhaoquan Gu, Yuexuan Wang, Yijie Wu, Yongcai Wang and Yueming Wang Magnetic Beamforming Algorithm for Hybrid Relay and MIMO Wireless Power Transfer Bin Ma, Yubin Zhao, Xiaofan Li, Yuefeng Ji and Cheng-Zhong Xu Joint Optimization of Routing and Storage Node Deployment in Heterogeneous Wireless Sensor Networks towards Reliable Data Storage Feng Li, Huan Yang, Yifei Zou, Dongxiao Yu and Jiguo Yu

25-Jun-19

[8:30 am] to [10:00 am] Room Carnation	Session 7: Privacy Leakage in the Web
	Who leaks my privacy: Towards Automatic and Association Detection with GDPR Compliance Qiwei Jia, Lu Zhou, Huaxin Li, Ruoxu Yang, Suguo Du and Haojin Zhu User Identity De-Anonymization Based on User Attributes Cheng Zhang, Honglu Jiang, Yawei Wang, Qin Hu and Xiuzhen Cheng Automated and Personalized Privacy Policy Extraction under GDPR Consideration Cheng Chang, Huaxin Li, Yichi Zhang, Suguo Du, Hui Cao and Haojin Zhu
[8:30 am] to [10:00 am] Room Plumeria	Session 08: Network Resource Allocation
	Fast and Simple Spectrum Scheduling under the Physical Interference Model Xiaohua Xu, Yuanfang Chen and Shuibing He ONE-Geo: Client-Independent IP Geolocation based on Owner Name Extraction Yucheng Wang, Xu Wang, Hongsong Zhu, Hai Zhao, Hong Li and Limin Sun Fairness-Aware Auction Mechanism for Sustainable Mobile Crowdsensing Korn Sooksatra, Ruinian Li, Yingshu Li, Xin Guan and Wei Li
[8:30 am] to [10:00 am] Room Pakalana/Anthurium	session 9: Algorithm: Machine Learning
	Fusing RFID and Computer Vision for Occlusion-Aware Object Identifying and Tracking Mi Li, Yao Chen, Yanfang Zhang, Jian Yang and Hong Du CXNet-m2: A Deep Model with Visual and Clinical Contexts for Image-based Detection of Multiple Lesions Shuaijing Xu, Guangzhi Zhang, Rongfang Bie and Anton Kos A Location Predictive Model Based on 2D Angle data for HAPS Using LSTM Ke Xiao, Chaofei Li, Wei Cheng, Yunhua He and Chao Wang

[10:30 am] to [12:00 pm] Room Carnation	Session 10: Privacy Enhancing Technologies
	Privacy Protection for Context-Aware Services: A Two-Layer Three-Party Game Model Yan Huang, Zhipeng Cai and Anu Bourgeois Decentralized Hierarchical Authorized Payment with Online Wallet for Blockchain Qianwen Wei, Shujun Li, Wei Li, Hong Li and Mingsheng Wang Differentially Private Event Sequences over Infinite Streams with Relaxed Privacy Guarantee Xuebin Ren, Shuyang Wang, Xianghua Yao, Chia-Mu Yu, Wei Yu and Xinyu Yang
[10:30 am] to [12:00 pm] Room Plumeria	Session 11: Cognitive Radio
	Massive MIMO Cognitive Cooperative Relaying Son Dinh, Hang Liu and Feng Ouyang Performance Investigation of Polar Codes Over Nakagami-M Fading and Real Wireless Channel Measurements Mohammed Sarkhi, Abdulsahib Albehadili, Osama Hussein, Ahmad Javaid and Vijay Devabhaktuni Decomposable Atomic Norm Minimization Channel Estimation for Millimeter Wave MIMO-OFDM Systems Qianwen An, Tao Jing, Yingkun Wen, Zhuojun Duan and Yan Huo

[10:30 am] to [12:00 pm] Room Pakalana/Anthurium	Session 12: Algorithm: Social Network
	Self-attention Based Collaborative Neural Network For Recommendation Shengchao Ma and Jinghua Zhu Deep Neural Model for Point-of-interest Recommendation Fused with Graph Embedding Representation Jinghua Zhu and Xu Guo Parallel Multicast Information Propagation Based on Social Influence Yuqi Fan, Liming Wang, Lei Shi and Dingzhu Du
[12:00 pm] to [1:30 pm]	[Break] Room Carnation
[1:30 pm] to [3:00 pm] Room Carnation	Session 13: Security
	A New Outsourced Data Deletion Scheme with Public Verifiability Changsong Yang, Xiaoling Tao, Feng Zhao and Yong Wang Research on Physical Layer Security Scheme Based on OAM Modulation for Wireless Communications Weiqing Huang, Yan Li, Dong Wei and Qiaoyu Zhang Lightweight IoT Malware Visualization Analysis via Two-Bits Networks Hui Wen, Weidong Zhang, Yan Hu, Qing Hu, Hongsong Zhu and Limin Sun
[1:30 pm] to [3:00 pm] Room Plumeria	Session 14: Cyber-Physical Systems I: Communication
	Real-time Data Aggregation in Duty-Cycling Multi-hop Sensor Networks Xiaohua Xu, Yi Zhao and Dongfang Zhao. Model Based Adaptive Data Collection Algorithms in Wireless Sensor Networks Yidi Cao and Ran Bi Evolutionary Game Based Gateway Selection Algorithm in Cyber-Physical System Hao Wang and Jianzhong Li
[1:30 pm] to [3:00 pm] Room Pakalana/Anthurium	Session 15: Algorithm: Various Topics
	DDSEIR: a Dynamic Rumor Spreading Model in Online Social networks Li Li, San-Shun Zhang, Hui Xia, Rui Zhang and Ye Li Data Forwarding and Caching Strategy for RSU Aided V-NDN Zhenchun Wei, Jie Pan, Kangkang Wang, Lei Shi, Zengwei Lyu and Lin Feng Contextual Combinatorial Cascading Thompson Sampling Zhenyu Zhu, Liusheng Huang and Hongli Xu
[3:00 pm] to [3:30 pm]	[Coffee Break] Room Carnation
[3:30 pm] to [5:00 pm] Room Carnation	Session 16: Privacy
	A Hybrid Approach for Recognizing Web Crawlers Weiping Zhu, Hang Gao, Zongjian He, Jiangbo Qin and Bo Han DPSR: A Differentially Private Social Recommender System for Mobile Users Xueling Zhou, Lingbo Wei, Yukun Niu, Chi Zhang and Yuguang Fang Privacy Protection Sensing Data Aggregation for Crowd-Sensing Yunpeng Wu, Shukui Zhang, Yuren Yang, Hao Long and Li Zhang
[3:30 pm] to [5:00 pm] Room Plumeria	Session 17: Cyber-Physical Systems II: Power Management
	Hybrid Low Frequency Electromagnetic Field and Solar Energy Harvesting Architecture for Self-Powered Wireless Sensor System Di Cao, Jing Run Jia, Min Jie Xie, Yan Jing Lei and Wei Li Cross-layer Optimization on Charging Strategy for Wireless Sensor Networks Based on Successive Interference Cancellation Juan Xu, Xingxin Xu, Xu Ding, Lei Shi and Yang Lu Multi-Hop Recharging Sensor Wireless Networks Optimization With Successive Interference Cancellation Peng Zhang, Xu Ding, Jing Wang, Juan Xu and Lei Shi
[3:30 pm] to [5:00 pm] Room Pakalana/Anthurium	Session 18: IoT
	Analysis of Best Network Routing Structure for IoT Shasha Chen, Shengling Wang and Jianghui Huang Optimal Routing of tight optimal Bidirectional Double-loop Networks Liu Hui and Wang Shengling Utility Aware Task Offloading for Mobile Edge Computing Ran Bi, Shan Huang, Jiankang Ren and Qian Liu

[6:00 pm] to [8:00 pm]   [VIP] (invited guests), Shokudo Japanese Restaurant & Bar