

## IoTaaS 2020: Program At A Glance

DATE	TIME	Online Room A	Online Room B
19 Nov.	09:00-09:20	Opening Ceremony 1. Welcome Speech of General Chair 2. Welcome Speech of EAI <u>Tencent Meeting ID: 688 462 967</u> <u>Password: 2020</u>	
	09:20-10:00	Keynote Speech: <i>Coding and Modulation for Machine-Type Communications</i> Prof. Baoming Bai <u>Tencent Meeting ID: 688 462 967</u> <u>Password: 2020</u>	
	10:00-10:40	Keynote Speech: <i>Few-Shot Image Classification via Contrastive Self-Supervised Learning</i> Prof. Guizhong Liu <u>Tencent Meeting ID: 688 462 967</u> <u>Password: 2020</u>	
	11:00-12:20	Algorithm and Information Session 1 <b>Session Chair: Fang Yong</b> <u>Tencent Meeting ID: 725 528 335</u> <u>Password: 2020</u>	Network Session 1 <b>Session Chair: Liu Yanming</b> <u>Tencent Meeting ID: 639 386 127</u>
	14:00-16:00	Workshop on Edge Intelligence and Computing For Iot Communications And Applications (1st Harf) <b>Session Chair: Chen Xiang</b> <u>Tencent Meeting ID: 156 570 396</u> <u>Password: 2020</u>	Algorithm and Information Session 2 <b>Session Chair: Zhang Chen</b> <u>Tencent Meeting ID: 273 251 994</u>
	16:10-17:50	Workshop on Edge Intelligence and Computing For Iot Communications And Applications (2st Harf) <b>Session Chair: Chen Xiang</b> <u>Tencent Meeting ID: 156 570 396</u> <u>Password: 2020</u>	System & Hardware Session <b>Session Chair: Chen Wenhui</b> <u>Tencent Meeting ID: 751 932 354</u>

20 Nov.	09:00-10:20	<p>Workshop on Satellite Communications and Spatial Information Network</p> <p><b>Session Chair: Li Jingling</b></p> <p><u>Tencent Meeting ID: 239 301 133</u></p>	<p>Application Session</p> <p><b>Session Chair: Abdullah Ghaleb</b></p> <p><u>Tencent Meeting ID: 672 146 720</u></p> <p><u>Password: 2020</u></p>
	10:30-11:50	<p>Network Session 2</p> <p><b>Session Chair: Li Bo</b></p> <p><u>Tencent Meeting ID: 515 118 859</u></p> <p><u>Password: 2020</u></p>	<p>Artificial Intelligence Session</p> <p><b>Session Chair: Zhang Jingya</b></p> <p><u>Tencent Meeting ID: 922 725 202</u></p> <p><u>Password: 2020</u></p>
	14:00-16:00	<p>Workshop on Satellite Communication Networks for Internet of Things</p> <p><b>Session Chair: Zhang Zhou</b></p> <p><u>Tencent Meeting ID: 278 230 293</u></p> <p><u>Password: 2020</u></p>	<p>Communications Session</p> <p><b>Session Chair: Zuo Xiaoya</b></p> <p><u>Tencent Meeting ID: 143 798 098</u></p> <p><u>Password: 2020</u></p>
	16:10-17:50	<p>Image and Information Session</p> <p><b>Session Chair: Zhao Hongwei</b></p> <p><u>Tencent Meeting ID: 361 666 574</u></p>	<p>Network Session 3</p> <p><b>Session Chair: Zheng Jie</b></p> <p><u>Tencent Meeting ID: 522 690 502</u></p> <p><u>Password: 2020</u></p>

# Full Program

<b>Thursday, November 19</b>		
<b>Thursday, November 19 11:00-12:20</b>		
<b>Algorithm and Information Session 1: Meeting Room A</b>		
11:00	Approximation of DAC Codeword Distribution for Equiprobable Binary Sources along Proper Decoding Paths	Yang, Nan <nyang@chd.edu.cn> (Chang'an University); Fang, Yong <fy@chd.edu.cn> (Chang'an University)
11:20	Research on Multi-UAV	Jing, Yanqi <jingyq,hi@163.com>

	Swarm Control Based on Olfati-Saber Algorithm with Variable Speed Virtual Leader	
11:40	Resource Joint Allocation Scheme based on Network Slicing under C-RAN Architecture	Chen, Jiajia <chenjj279@mail2.sysu.edu.cn> (School of Electronics and Information Technology, Sun Yat-sen University, Guangzhou 510006, China); gong, jie <gongj26@mail.sysu.edu.cn> (School of Data and Computer Science, Sun Yat-sen University); Chen, Xiang <chenxiang@mail.sysu.edu.cn> (Sun Yat-sen University); Hsu, Terngyin <tyhsu@cs.nctu.edu.tw> (Department of Computer Science, National Chiao Tung University, Taiwan)
12:00	Optimal Thresholds for Differential Energy Detection of Ambient Backscatter Communication	Yuan, Liu <yuanaajy@163.com> (School of Information and Communications Engineering, Xi'an Jiaotong University, Xi'an,China); yi, Ren Pin <pyren@mail.xjtu.edu.cn> (School of Information and Communications Engineering, Xi'an Jiaotong University, Xi'an,China); he, Du Qing <duqinghe@mail.xjtu.edu.cn> (School of Information and Communications Engineering, Xi'an Jiaotong University, Xi'an,China)
<b>Network Session 1: Meeting Room B</b>		
11:00	Resource Allocation for Multi-UAV Assisted Energy-Efficient IoT Communications With Co-Channel Interference	Liu, Yanming <liuyanming@buaa.edu.cn> (Beihang University); Liu, Kai <liuk@buaa.edu.cn> (Beihang University); Han, Jinglin <bxqdl@buaa.edu.cn> (Beihang University); Zhu, Lipeng <zhulipeng@buaa.edu.cn> (Beihang University); Xiao, Zhenyu <xiaozy@buaa.edu.cn> (Beihang University)
11:20	Correlation Based Secondary Users Selection for Cooperative Spectrum Sensing Network	Yifu, Zhang <randyzhang@mail.nwpu.edu.cn> (Northwestern Polytechnical University); Wenxun, Zhao <zhaowenxun@mail.nwpu.edu.cn> (Northwestern Polytechnical University); Dawei, Wang <wangdw@nwpu.edu.cn> (Northwestern Polytechnical University); Daosen, Zhai <zhaidaosen@nwpu.edu.cn> (Northwestern Polytechnical University); Xiao, Tang <tangxiao@nwpu.edu.cn> (Northwestern Polytechnical University)
11:40	The Design Methodology for MAC Strategies and Protocols Supporting Ultra-low Delay Services in Next Generation IEEE 802.11 WLAN	LI, Bo <libo.npu@nwpu.edu.cn> (School of Electronics and Information Northwestern Polytechnical University); Mohammed, Ghaleb Abdullah Abdulwahab <abdullah1.ghaleb@gmail.com> (School of Electronics and Information Northwestern Polytechnical University); Yang, Mao <yangmao@nwpu.edu.cn>

		(School of Electronics and Information, Northwestern Polytechnical University); Yan, Zhongjiang <zhjyan@nwpu.edu.cn> (School of Electronics and Information Northwestern Polytechnical University)
12:00	Efficient Cluster Head Selection for multimode sensors in Wireless Sensor Network	Luo, Xia <justluo219@163.com> (Beijing Research Institute of Telemetry, Beijing, China); Xu, Li <xulimouse@163.com> (Beijing Research Institute of Telemetry, Beijing, China); Wang, Huanzhu <910544662@qq.com> (School of Electronics and Information, Northwestern Polytechnical University, Xi'an, China)
<b>Thursday, November 19 14:00-16:00</b>		
<b>Workshop on Edge Intelligence and Computing For Iot Communications And Applications (1st Harf): Meeting Room A</b>		
14:00	Trajectory Optimization for UAV-Aided Data Collections	Zhang, Hanxin <zhanghx57@mail2.sysu.edu.cn> (Sun Yat-sen University); Zhang, Caiyu <zhangcy8@mail2.sysu.edu.cn> (Sun Yat-sen University); Zhang, Zixuan <zhangzx36@mail2.sysu.edu.cn> (Sun Yat-sen University); Zhou, Changwen <zhouchw6@mail2.sysu.edu.cn> (Sun Yat-sen University); Zhang, Yu <zhangy769@mail2.sysu.edu.cn> (Sun Yat-sen University); Li, Congduan <licongd@mail.sysu.edu.cn> (Sun Yat-sen University)
14:20	Design and Implementation of MCU-Based Reconfigurable Protocol Conversion Module for Heterogeneous Sensor Networks	Zhao, Lei <lei.zhao@bit.edu.cn> (Beijing Institute of Technology); Zhang, Yan <zhangy@bit.edu.cn> (Beijing Institute of Technology)
14:40	FPGA-based Neural Network Acceleration for Handwritten Digit Recognition	Shen, Guobin <shengb3@mail2.sysu.edu.cn> (School of Electronics and Information Technology, Sun Yat-sen University, Guangzhou 510006, China); Li, Jindong <lijd27@mail2.sysu.edu.cn> (School of Electronics and Information Technology, Sun Yat-sen University, Guangzhou 510006, China); Zhou, Zhi <hustzhouzhi@gmail.com> (School of Data and Computer Science, Sun Yat-sen University, Guangzhou 510006, China); Chen, Xiang <chenxiang@mail.sysu.edu.cn> (School of Electronics and Information Technology, Sun Yat-sen University, Guangzhou 510006, China)
15:00	Edge Computing based Two-Stage Emergency	Chen, Jinhui <jinhui.chen@bistu.edu.cn> (Beijing Information Science & Technology University); Li,

	Braking in Autonomous Driving	LIan <13521608482@163.com> (Beijing Information Science & Technology University); Xu, Zhan <xuzhan@bistu.edu.cn> (Beijing Information Science & Technology University); Zhi, Ruxin <zhiruxin@bistu.edu.cn> (Beijing Information Science & Technology University); Huang, Mingzhe <790199887@qq.com> (Beijing Information Science & Technology University)
15:20	Cache Resource Allocation in D2D Multi-Layer Social Network	Kong, Xianglin <876126319@qq.com> (Fuzhou University); Chen, Pingping <ppchen.xm@gmail.com> (Fuzhou University); Lin, Zhijian <zlin@fzu.edu.cn> (Fuzhou University); Wang, Ying <wang_ying0215@163.com> (Fuzhou University); Yang, Yongcheng <ycyang@jmu.edu.cn> (Jimei University)
15:40	Enhanced Frame Break Mechanism for ALOHA-Based RFID Anti-Collision Algorithm	Zeng, Xiangjian <153600351@qq.com> (Sun Yat-sen University); Qiu, Jiyun <764636216@qq.com> (Sun Yat-sen University); Wang, Xijun <wangxijun@mail.sysu.edu.cn> (Sun Yat-sen University); Chen, Xiang <chenxiang@mail.sysu.edu.cn> (Sun Yat-sen University)
<b>Algorithm and Information Session 2: Meeting Room B</b>		
14:00	Pricing Based Resource Allocation Algorithm in Wireless Aeronautics Network Virtualization	Wang, Kexiang <kexiangjiaqi@163.com> (Science and Technology on Avionics Integration Laboratory); Zheng, Xueli <13671761096@126.com> (Science and Technology on Avionics Integration Laboratory); Yang, Mao <yangmao@nwpu.edu.cn> (School of Electronics and Information, Northwestern Polytechnical University); Yan, Zhongjiang <zhjyan@nwpu.edu.cn> (School of Electronics and Information, Northwestern Polytechnical University); LI, Bo <libo.npu@nwpu.edu.cn> (School of Electronics and Information, Northwestern Polytechnical University)
14:20	Access algorithm in software-defined satellite network	Qiheng, Gu <694761200@qq.com>; Zhen, Xu <xuzhen@buaa.edu.cn> (Beihang University); Xiaoting, Wang <xitixiti@sina.com> (Beijing institute of tracking and telecommunications technology)
14:40	A Low-Loss Strategy for Network Function Virtualization Multicast Optimization	Tian, Muxin <849946134@qq.com>
15:00	Graph Kernel based	Sun, Baolin <blsun@163.com> (School of

	Clusterhead Selection Algorithm in Internet of Things	Information Engineering, Hubei University of Economics, Wuhan City, Hubei Province, P. R. China); Luo, Hongwei <whicu@189.cn> (Wuhan International Trade University)
15:20	Evaluation and optimization of CAN message response time based on DSPN	Ma, Yunhong <mayunhong@nwpu.edu.cn> (Northwestern Polytechnical University); Zhao, Yifei <2564034144@qq.com> (Northwestern Polytechnical University); Song, Chao <834140227@qq.com> (Northwestern Polytechnical University); Qi, Lerong <18829235211@163.com> (Northwestern Polytechnical University)
15:40	A Deployment Method Based on Artificial Bee Colony Algorithm for UAV-Mounted Base Stations	Zhang, Chen <moon_zc@buaa.edu.cn> (Beihang University); Zhang, Leyi <16231001@buaa.edu.cn> (Beihang University); Liu, Yanming <liuyanming@buaa.edu.cn> (Beihang University); Zhu, Lipeng <zhulipeng@buaa.edu.cn> (Beihang University); Xiao, Zhenyu <xiaozy@buaa.edu.cn> (Beihang University)
<b>Thursday, November 19 16:10-17:50</b>		
<b>Workshop on Edge Intelligence and Computing For Iot Communications And Applications (2st Harf): Meeting Room A</b>		
16:10	Improved Intelligent Semantics based Chinese Sentence Similarity Computing for Natural Language Processing in IoT	Ye, Jiahao <708885437@qq.com> (Sun Yat-sen University); Zhang, Lin <isszl@mail.sysu.edu.cn> (Sun Yat-sen University); Lan, Ping <12140036@qq.com> (Tibet University); He, Hua <10909158@qq.com> (Tibet University); Yang, Dan <yangdan@bfsu.edu.cn> (Beijing Foreign Studies University); Wu, Zhiqiang <lightnesstibet@163.com> (Tibet University)
16:30	Statistical Feature Aided Intelligent Deep Learning Machine Translation in Internet of Things	Zhang, Yidian <410568109@qq.com> (Sun Yat-sen University); Zhang, Lin <isszl@mail.sysu.edu.cn> (Sun Yat-sen University); Lan, Ping <12140036@qq.com> (Tibet University); Li, Wenyong <liwy@swufe.edu.cn> (Southwestern University of Finance and Economics); Yang, Dan <yangdan@bfsu.edu.cn> (Beijing Foreign Studies University); Wu, Zhiqiang <lightnesstibet@163.com> (Tibet University)
16:50	An automated method of identifying incorrectly labelled images based on the sequences of loss functions of deep learning networks	zhang, zhipeng <zzp_zzp2002@aliyun.com> (China Mobile Research Institute); Shou, Wenhui <shouwenhui@chinamobile.com> (China Mobile Research Institute); Ma, Wenting <mawenting@chinamobile.com> (China Mobile Research Institute); Xing, Dongjia

		<xingdongjia@chinamobile.com> (China Mobile Research Institute); Xu, Qingqing <xuqingqing@chinamobile.com> (China Mobile Research Institute); Xu, Li-Qun <xliqun@chinamobile.com> (China Mobile Research Institute); Fan, Qingxia <fanqingxia@hsyk.com.cn> (Shenyang He Eye Hospital); Xu, Ling <xuling@hsyk.com.cn> (Shenyang He Eye Hospital)
17:10	Low-Latency Method and Architecture for 5G Packet-Based Fronthaul Networks	Liu, Yang <3120180784@bit.edu.cn> (Beijing Institute of Technology); He, Zunwen <hezunwen@bit.edu.cn> (Beijing Institute of Technology); Zhang, Yan <zhangy@bit.edu.cn> (Beijing Institute of Technology); Zhang, Wancheng <zhangwancheng@bit.edu.cn> (Beijing Institute of Technology)
17:30	Automated Cataracts Screening from Slit-lamp Images Employing Deep Learning	zhang, zhipeng <zzp_zzp2002@aliyun.com> (China Mobile Research Institute); Shou, Wenhui <shouwenhui@chinamobile.com> (China Mobile Research Institute); Xing, Dongjia <xingdongjia@chinamobile.com> (China Mobile Research Institute); Ma, Wenting <mawenting@chinamobile.com> (China Mobile Research Institute); Xu, Qingqing <xuqingqing@chinamobile.com> (China Mobile Research Institute); Wang, Wei <wangwei@chinamobile.com> (China Mobile Research Institute); Xu, Li-Qun <xliqun@chinamobile.com> (China Mobile Research Institute); Liu, Ziming <liuziming@hsyk.com.cn> (Shenyang He Eye Hospital); Xu, Ling <xuling@hsyk.com.cn> (Shenyang He Eye Hospital)
<b>System &amp; Hardware Session: Meeting Room B</b>		
16:10	A Flowchart based Finite State Machine Design and Implementation Method for FPGA	Yan, Zhongjiang <zhjyan@nwpu.edu.cn> (Northwestern Polytechnical University); Jiang, Hangchao <839690506@qq.com> (Northwestern Polytechnical University); LI, Bo <libo.npu@nwpu.edu.cn> (Northwestern Polytechnical University); Yang, Mao <yangmao@nwpu.edu.cn> (School of Electronics and Information, Northwestern Polytechnical University)
16:30	A Distributed Reservation and Contention Combined TDMA Protocol for Wireless Avionics Intra-Communication	Zheng, Xueli <13671761096@126.com> (Science and Technology on Avionics Integration Laboratory); Zhang, Zhongwang <826371905@qq.com> (China Aeronautical Radio Electronics Research Institute); Yan,



	Networks	Xinyang <xyhit@126.com> (Science and Technology on Avionics Integration Laboratory); Yan, Zhongjiang <zhjyan@nwpu.edu.cn> (Northwestern Polytechnical University); Yang, Mao <yangmao@nwpu.edu.cn> (School of Electronics and Information, Northwestern Polytechnical University); LI, Bo <libo.npu@nwpu.edu.cn> (Northwestern Polytechnical University)
16:50	The automation tool development for aircraft cockpit display systems verification in part of text data	Dyachenko, Sergey Aleksandrovich <dyachenkosa@mai.ru> (Moscow Aviation Institute); Neretin, Evgeny Sergeevich <neretines@mai.ru> (Moscow Aviation Institute); Ilyashenko, Dmitry Mikhailovich <elsh_2@mail.ru> (Moscow Aviation Institute)
17:10	Design of 'floating, medium and sinking' pressure simulation system for remote reduction of pulse condition in TCM	CHEN, Wenhui <whchen@nwpu.edu.cn> (Northwestern Polytechnical University); WANG, Xueming <wangxm_v5@163.com> (Northwestern Polytechnical University); LI, Huifang <Lhuifang@nwpu.edu.cn> (Northwestern Polytechnical University); DING, Zhiyong <dingzhiyong@mail.nwpu.edu.cn> (Northwestern Polytechnical University); LI, Jianying <jianyingli@nwpu.edu.cn> (Northwestern Polytechnical University)
17:30	A Flexible and Scalable Localization System for off-the-shelf LoRa Devices	Zhao, Honggang <hgz_nwpu@163.com> (College of Information and Communication, National University of Defense Technology); Liu, Zuobin <2551105254@qq.com> (College of Information and Communication, National University of Defense Technology); Zhu, Gui <zhugui53@163.com> (College of Information and Communication, National University of Defense Technology); Shi, Chen <shishen26@163.com> (College of Information and Communication, National University of Defense Technology); Xu, Qingzheng <xuqingzheng@hotmail.com> (College of Information and Communication, National University of Defense Technology)
<b>Friday, November 20</b>		
<b>Friday, November 20 09:00-10:20</b>		
<b>Workshop on Satellite Communications and Spatial Information Network: Meeting Room A</b>		

9:00	Research on Optical-electrical Path Mapping strategy of Space Hybrid Switches	liang, wei <liangwei86@126.com> (National Key Laboratory of Science and Technology on Space Microwave, China Academy of Space Technology (Xi'an)); jun, li <lijun206@sina.com> (National Key Laboratory of Science and Technology on Space Microwave, CAST); Yi, Zhang <23557345@qq.com> (National Key Laboratory of Science and Technology on Space Microwave, CAST Xi'an); Jingling, Li <ljlspirit@foxmail.com> (National Key Laboratory of Science and Technology on Space Microwave, CAST Xi'an); Tao, Cui <conan915@qq.com> (National Key Laboratory of Science and Technology on Space Microwave, CAST Xi'an)
9:20	Algorithm for multipath interference restraint based on blind source separation in Passive GNSS-Based bistatic Radar	wen, yuanyuan <wyy031980@163.com> (Academy of Space Information Systems); bai, lin <lin0167@163.com> (Academy of Space Information Systems); zhang, xi <401922404@qq.com> (Academy of Space Information Systems); shang, she <47629168@qq.com> (Academy of Space Information Systems); song, dawei <songdw0210@163.com> (Academy of Space Information Systems); guo, shuai <xdguoshuai@163.com> (National Laboratory of Radar Signal Processing, Xidian University)
9:40	Multi-kernel and Multi-task Learning for Radar Target Recognition	Cong, Li <lcongxd@126.com> (Academy of Space Electronic Information Technology)
10:00	Information topology control technology of cluster satellite network	Li, Jingling <ljlspirit@foxmail.com> (18992888869); Li, Jun <lijun206@sina.com> (National Key Laboratory of Science and Technology on Space Microwave, CAST Xi'an); Liang, wei <liangwei86@126.com> (National Key Laboratory of Science and Technology on Space Microwave, CAST Xi'an); Cui, Tao <conan915@qq.com> (National Key Laboratory of Science and Technology on Space Microwave, CAST Xi'an); Zhang, Yi <23557345@qq.com> (National Key Laboratory of Science and Technology on Space Microwave, CAST Xi'an)
<b>Session E: Meeting Room B</b>		
9:00	Internet of Medical Things and Services collaboration as enabler for smart constrained resources sharing and allocation: application on	GNIMPIEBA ZANFACK, DAVID R. <davgnimpie@gmail.com> (AGT Innovation)

	(COVID-19	
9:20	Smart Home Security System Using Biometric Recognitions	Phan, Vinh <vinh.phan@eiu.edu.vn> (Eastern International University, Vietnam)
9:40	Internet of Things in the Game of Basketball	Tokolyi, Kornel <12kornel@gmail.com> (University of Regina); Elshakankiri, Maher <maher.elshakankiri@uregina.ca> (University of Regina)
10:00	IOT driven Weather-Sensitive Route Recommendation System	Parikh, Saurin <ssparikh23@gmail.com> (Institute of Technology, Nirma University); Sishangiya, Mohanish <mohanishshishangiya@gmail.com> (Institute of Technology, Nirma University)
<b>Friday, November 20 10:30-11:50</b>		
<b>Network Session 2: Meeting Room A</b>		
10:30	Object Recognition Through UAV Observations Based on Yolo and Generative Adversarial Network	Li, Bo <libo803@nwpu.edu.cn> (Northwestern Polytechnical University); Gan, Zhigang <ganzhigang@mail.nwpu.edu.cn> (Northwestern Polytechnical University); Evgeny, Neretin Sergeevich <kaf703@mai.ru> (Moscow Aviation Institute Moscow); Yang, Zhipeng <yzp@mail.nwpu.edu.cn> (Northwestern Polytechnical University)
10:50	Soft Channel Reservation towards Latency Guarantee for the Next Generation WLAN: IEEE 802.11be	Cheng, Jianfei <434321310@mail.nwpu.edu.cn> (School of Electronics and Information, Northwestern Polytechnical University); LI, Bo <libo.npu@nwpu.edu.cn> (School of Electronics and Information, Northwestern Polytechnical University); Yang, Mao <yangmao@nwpu.edu.cn> (School of Electronics and Information, Northwestern Polytechnical University); Yan, Zhongjiang <zhjyan@nwpu.edu.cn> (School of Electronics and Information, Northwestern Polytechnical University)
11:10	The Construction of Three-Dimensional Barrier Coverage in Underwater Wireless Sensor Networks	Zhang, Xiaona <zxn0304@qq.com> (Software Development Center of Industrial and Commercial Bank of China); Shi, Jinglun <shijl@scut.edu.cn> (South China University of Technology); Lei, Wen <wenlei.jnu@gmail.com> (Jinan University); Guo, Xinjiang <40794212@qq.com> (Jinan University); Shen, Weiqiang <weiqshen@gmail.com> (Guangdong Polytechnical Normal University)
11:30	The methodology of the optimal four-dimensional route searching for a decision support system providing solutions for four-dimensional	Budkov, Alexander <asbudkov@gmail.com> (Moscow Aviation Institute); Neretin, Evgeny <e.s.neretin@mai.ru> (Moscow Aviation Institute); Ivanov, Andrey <Andrew220@mail.ru> (Moscow Aviation Institute)

	navigation	
<b>Artificial Intelligence Session: Meeting Room B</b>		
10:30	A Convolutional Neural Network Approach for Stratigraphic Interface Detection	Zhang, Jingya <zhangjingya9342@163.com> (Northwestern Polytechnical University); Li, Guojun <ligj_cpl@cnpc.com.cn> (China Petroleum Logging CO., Ltd.); Zhang, Juan <zycjzhangj@cnpc.com.cn> (China Petroleum Logging CO., Ltd.); Zhang, Guanwen <guanwen.zh@nwpu.edu.cn> (Northwestern Polytechnical University); Zhou, Wei <zhouwei@nwpu.edu.cn> (Northwestern Polytechnical University)
10:50	A Deep Neural Network based Feature Learning Method for Well Log Interpretation	Bao, Liyuan <baoly1997@163.com> (Northwestern Polytechnical University); Cao, Xianjun <zycjcaoxj@cnpc.com.cn> (China Petroleum Logging Co., Ltd.); Yu, Changjiang <zycjyuchangjiang@cnpc.com.cn> (China Petroleum Logging Co., Ltd.); Zhang, Guanwen <guanwen.zh@nwpu.edu.cn> (Northwestern Polytechnical University); Zhou, Wei <zhouwei@nwpu.edu.cn> (Northwestern Polytechnical University)
11:10	Trust Prediction Model based on Deep Learning in Social Internet of Things	Wen, Yuyao <wenyuyao163@163.com> (Beijing Information Science & Technology University); Xu, Zhan <xuzhan@bistu.edu.cn> (Beijing Information Science & Technology University, China); Zhi, Ruxin <zhiruxin@bistu.edu.cn> (Beijing Information Science & Technology University, Beijing, China); Chen, Jinhui <jinhui2017@aliyun.com> (Beijing Information Science & Technology University, Beijing, China); Huang, Mingzhe <790199887@qq.com> (Beijing Information Science & Technology University)
11:30	An alarm system based on neural network algorithm for detection of falls in the elderly	CHEN, Wenhui <whchen@nwpu.edu.cn> (Northwestern Polytechnical University); WANG, Xueming <wangxm_v5@163.com> (Northwestern Polytechnical University); DING, Zhiyong <dingzhiyong@mail.nwpu.edu.cn> (Northwestern Polytechnical University); LI, Jianying <jianyingli@nwpu.edu.cn> (Northwestern Polytechnical University); LI, Bo <libo.npu@nwpu.edu.cn> (Northwestern Polytechnical University)
<b>Friday, November 20 14:00-16:00</b>		
<b>Workshop on Satellite Communication Networks for Internet of Things: Meeting Room A</b>		

14:00	The Intelligent Routing Control Strategy based on Deep Learning	Jia, Jin suo <jjs@bupt.edu.cn> (Beijing University of Posts and Telecommunications); Fu, Yi chun <2016213048@bupt.edu.cn> (Beijing University of Posts and Telecommunications)
14:17	Distributed Opportunistic Channel Access with Optimal Single Relay under Delay Constraints	Sang, Wei <15854764487@163.com> (Tianjin Artificial Intelligence Innovation Center (TAIIC), Tianjin, China); Zhang, Zhou <zt.sy1986@163.com> (Tianjin Artificial Intelligence Innovation Center (TAIIC), Tianjin, China); Wang, Tongtong <wangtongtongth@163.com> (Tianjin Artificial Intelligence Innovation Center (TAIIC), Tianjin, China)
14:34	Distributed Opportunistic Channel Access under Single-bit CSI Feedback	Wang, Tongtong <wangtongtongth@163.com> (Tianjin Artificial Intelligence Innovation Center (TAIIC)); Zhang, Zhou <zt.sy1986@163.com> (Tianjin Artificial Intelligence Innovation Center (TAIIC)); Guo, Jing <nudtgj@126.com> (Science and Technology on Complex Aviation System Simulation Laboratory)
14:51	Spectrum Allocation Algorithm for Energy-Constrained UAV in Interweave Cognitive IoT Network Based on Satellite Coverage	Ren, Chao <chaoren@ustb.edu.cn> (University of Science and Technology Beijing); Xu, Huijie <xhjmvx@163.com> (University of Science and Technology Beijing)
15:08	Edge Network Extension Based on Multi-Domains Fusion and LEO Satellite	Ren, Chao <chaoren@ustb.edu.cn> (University of Science and Technology Beijing); Hou, Jingze <jingzhou@163.com> (University of Science and Technology Beijing)
15:25	Completion of Marine Wireless Sensor Monitoring Data Based on Tensor Mode-n Rank and Tucker Operator	Yu, Chunhua <yuch@nju.edu.cn> (Nanjing University); Xu, Peng <pengxuliner@foxmail.com> (Nanjing University); Huayang, Chen <chenhy@smail.nju.edu.cn> (Nanjing University); Bai, Yechao <yichbai@nju.edu.cn> (Nanjing University)
15:42	Belief Propagation-based Joint Iterative Detection and Decoding Algorithm for Asynchronous IDMA Satellite Systems	Li, Shengfeng <sf.li@haige.com> (School of Electronics and Information, Northwestern Polytechnical University); Li, Senlin <lislin7@mail2.sysu.edu.cn> (School of Electronics and Information Technology, Sun Yat-sen University); Chen, Xiang <chenxiang@mail.sysu.edu.cn> (School of Electronics and Information Technology, Sun Yat-sen University); Wang, Ling <lingwang@nwpu.edu.cn> (School of Electronics and Information, Northwestern Polytechnical University)

**Communications Session: Meeting Room B**

14:00	Modulation Pattern Recognition Based on Wavelet Approximate Coefficient Entropy	Zuo, Xiaoya <zuoxy@nwpu.edu.cn> (Northwestern Polytechnical University); Wang, Peng <327764641@qq.com> (Northwestern Polytechnical University); Yao, Rugui <zuoxiaoyahawk@163.com> (Northwestern Polytechnical University); Pan, Lulu <863557825@qq.com> (Northwestern Polytechnical University)
14:20	A new message passing algorithm based on sphere decoding improvement	Yan, Yue <13359237963@163.com> (School of Electronics and Information, Northwestern Polytechnical University, Xi'an, China); Zhao, Hongwei <hwzhao@nwpu.edu.cn> (School of Electronics and Information, Northwestern Polytechnical University, Xi'an, China); Zhang, Zichun <2244247525@qq.com> (School of Electronics and Information, Northwestern Polytechnical University)
14:40	A Novel Codebook Design Scheme for Sparse Code Multiple Access	Wang, Huanzhu <910544662@qq.com> (School of Electronics and Information, Northwestern Polytechnical University, Xi'an, China); Yu, Peihan <1095484794@qq.com> (School of Electronics and Information, Northwestern Polytechnical University, Xi'an, China); Yan, Yue <13359237963@163.com> (School of Electronics and Information, Northwestern Polytechnical University, Xi'an, China)
15:00	Multi-View Polarization HRRP Target Recognition Based on Convolutional Neural Network	Ma, Mengyuan <qihuanbuke@163.com> (Beihang University); Liu, Kai <liuk@buaa.edu.cn> (Beihang University); Luo, Xiling <luoxiling@buaa.edu.cn> (Beihang University); Zhang, Tao <zhtao73@163.com> (Beihang University)
15:20	Millimeter-Wave Communications With Beamforming for UAV-Assisted Railway Monitoring System	Su, Shiyu <1902ssy@buaa.edu.cn> (Beihang University)
15:40	Improved Pulse Shaping Algorithm for Reducing PAPR in OFDM System	Lian, meng hao <944700080@qq.com>; ZHAO, Hongwei <hwzhao@nwpu.edu.cn> (NWPU)
<b>Friday, November 20 16:10-17:50</b>		
<b>Image and Information Session: Meeting Room A</b>		
16:10	Information Optimization for Image Screening and Transmission in Aerial Detection	Lefan, Wang <838008736@qq.com> (Northwestern Polytechnical University); JieQi, Li <sxtyljq@163.com> (China Academy of Launch Vehicle Technology)
16:30	Method of Quality Assessment for BOC Navigation Signal	Luo, Xia <justluoluo219@163.com> (Beijing Research Institute of Telemetry, Beijing, China); Xu, Li

	based on multi-correlation receiver	<xulimouse@163.com> (Beijing Research Institute of Telemetry, Beijing, China); Yu, Peihan <1095484794@qq.com> (School of Electronics and Information, Northwestern Polytechnical University, Xi'an, China); Zhao, Hongwei <hwzhao@nwpu.edu.cn> (School of Electronics and Information, Northwestern Polytechnical University, Xi'an,China)
16:50	Satellite Navigation Software Receiver Design	Yu, Peihan <1095484794@qq.com> (School of Electronics and Information, Northwestern Polytechnical University, Xi' an, China); Wang, Huanzhu <910544662@qq.com> (School of Electronics and Information, Northwestern Polytechnical University, Xi' an, China)
17:10	A Novel Pansharpening Method with Multi-scale Mutual-structure Perception	LI, Xu <lixu@nwpu.edu.cn> (Northwestern Polytechnical University); FAN, Zhenzhen <1010797816@qq.com> (Northwestern Polytechnical University); WU, Xugang <wuxugang@mail.nwpu.edu.cn> (Northwestern Polytechnical University)
17:30	A New Fusion Method for Remote Sensing Images	LI, Xu <lixu@nwpu.edu.cn> (Northwestern Polytechnical University); WU, Xugang <wuxugang@mail.nwpu.edu.cn> (Northwestern Polytechnical University); FAN, Zhenzhen <1010797816@qq.com> (Northwestern Polytechnical University)
<b>Network Session 3: Meeting Room B</b>		
16:10	Multi-list design and FPGA implementation method of OLSR routing protocol	Zhang, Hongyu <chong@mail.nwpu.edu.cn> (School of Electronics and Information, Northwestern Polytechnical University); LI, Bo <libo.npu@nwpu.edu.cn> (Northwestern Polytechnical University); Yan, Zhongjiang <zhjyan@nwpu.edu.cn> (Northwestern Polytechnical University); Yang, Mao <yangmao@nwpu.edu.cn> (School of Electronics and Information, Northwestern Polytechnical University)
16:30	Constructing Underwater Three-Dimensional Full Coverage Based on the Cube Pattern	Shen, Weiqiang <weiqshen@gmail.com> (Guangdong Polytechnical Normal University); Shi, Jinglun <shijl@scut.edu.cn> (South China University of Technology); Zhang, Xiaona <zx0304@qq.com> (Software Development Center of Industrial and Commercial Bank of China); Guo, Xinjiang <40794212@qq.com> (Jinan University); Chen, Hanying <jackchenhy@qq.com> (Jinan University)
16:50	Improvement of Contact	Zhu, Huijuan <616652671@qq.com> (Beihang

	Graph Routing Algorithm in LEO Satellite DTN Network	University); Zhang, Tao <zhtao73@163.com> (Beihang University)
17:10	Double-Threshold-Based Massive Random Access Protocol for Heterogeneous MTC Networks	Xie, Yuncong <qy1z29@stu.xjtu.edu.cn> (Xi'an Jiaotong University); Ren, Pinyi <pyren@mail.xjtu.edu.cn> (Xi'an Jiaotong university); Xu, Dongyang <xudongyang@xjtu.edu.cn> (Xi'an Jiaotong University)
17:30	IP addressing and address management of space-based network based on geographical division	Wei, Fu <fuwei951126@gmail.com> (Beihang University); Zhen, Xu <xuzhen@buaa.edu.cn> (Beihang University); Zihe, Gao <biblejiayou@163.com> (China academy of space technology)