IEEE International Conference on Advances in Electrical Engineering and Computer Applications (AEECA 2020)

Conference Program

August 25-27, 2020

Organization Structure

Organized by

International Association of Applied Science and Technology (IAAST)

Supported by

Zhengzhou University

Wuhan Institute of Technology

Institute of Electrical and Electronic Engineers (IEEE)

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Dr. Bin Xue, National University of Defense Technology, China

Publication Chair

Asistant Prof. Yan Tingchun, Heilongjiang University, China

Conference Agenda

Final Confirm

➡️ Aug 25   09:00-18:00

Oral Presentation

➡️ Aug 26   08:00-12:00   Session A, B, C

14:00-18:00   Session D, E, F

➡️ Aug 27   08:00-12:00   Session G, H

14:00-18:00   Session I, J

Poster Presentation

➡️ Start from Aug 26, 08:00   For all posters

Approaches to Attend Conference

Session A

Input conference ID: **944 127 489**

Click conference link:

https://meeting.tencent.com/s/rG5cfMFVygmo

Session B

Input conference ID: **348 309 377**

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Session C

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Session D

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Session F

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Session G

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Session H

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Session I

Input conference ID: **556 127 132**

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Session J

Input conference ID: **480 343 524**

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Arrangement for Oral & Poster Presentation

Session	Code	Title	Author(s)
Oral Session A	EA001	Research on Industrial Data Desensitization Algorithm Based on Fuzzy Set	Ting Bi, Xuehong Chen, Jun Li, Shuaifeng Yang
	EA002	No-reference Image Quality Assessment Based on Ensemble Convolutional Neural Network	Wan Qian, Qingbing Sang
	EA005	Sector Free and Sub-Connected Precoding for Millimeter Wave Massive FD-MIMO Systems	Shah Marjan, Asfandyar Awan, Mazz Mohammad Butt, Ziwei Yan
	EA007	Research on Technology of Embedded System Security Protection Component	Wei Liu, Haihang Niu, Weifeng Luo, Wei Deng, Haitao Wu, Shanglin Dai, Zhongwei Qiao, Wei Feng
	EA010	Research and application of 3D laser scanning technology in reversed modeling of hydropower station	Wenhui Liu, Yuanlin Luo, Guicheng Yang
	EA012	Quantitative Research on Radar Countermeasure Environment Complexity and Software Simulation	Yangyong Wu, Wenhai Li, Weichao Sun, Bingzhen Li
	EA014	Modeling Information Propagation Driven by Attraction and Drag on Complex Network	Jun Cao, Fuzhong Nian, Yabing Yao
	EA016	Text Sentiment Analysis Network Model Based on Self-attention Mechanism	Feitian Li, Ying Yi, Xiaoyu Tang
	EA019	Rate-Splitting Multiple Access Based Coordinated Multi-Point Transmission in Multi-Service Network	Kejia Chai, Lihua Li, Jilong Li
	EA020	Energy Efficient Transmission Design for Multicell Downlink with Per-Antenna Power Constraints	Xiufeng Jin, Jing Liu
	EA022	Cooperation Regulation for HAPF and PV Converter in Microgrid	Yu Botao, Li Peng
	EA028	Design and Development of a Telemetry Wave Meter	Yang Zhou, Yu Yu, Wei Cai

	EA030	Design of data acquisition system of electric meter based on ZigBee Wireless Technology	Yang Yongyong, Han Chenghao
	EA032	Intelligent Management and Control System of Polluted Site Remediation Based on Internet of Things	Peiye Sun, Baofeng Zhang, Rui Tian, Junchao Zhu
Oral Session B	EA034	Research on Evaluation Technology of Pavement Roughness Based on Smartphone	Peng Zhang, Jianping Huang, Shasha Chen
	EA037	Application of dynamic decision method for automatic allocation of address in airport IoT node- device	Ning He, Yingyang Yu, Weijia Ye
	EA039	Cloud Workflow Task and Virtualized Resource Collaborative Adaptive Scheduling Algorithm Based on Distributed Deep Learning	Delong Cui, Jianpeng Lin, Zhiping Peng, Qirui Li, Jieguang He, Yiheng Yuan, Mian Guo
	EA042	A Self-Adaptive Preferred Learning Differential Evolution Algorithm for Task Scheduling in Cloud Computing	Xiujin Shi, Xiaowang Zhang, Mintao Xu
	EA045	Research on Mongolian-Chinese Machine Translation Based on Generative Method	Ziyue Guo, Hongxu Hou, Nier Wu, Shuo Sun
	EA046	Fine-grained Dynamical Speech Emotion Analysis Utilizing Networks Customized for Acoustic Data	Yaxiong Ma, Jincai Chen, Ping Lu
	EA049	Design and Development of a 7 mm Band Receiver	Kai Wang, Liang Cao, Jun Ma, Maozheng Chen, Xuefeng Duan, Yang Wang
	EA053	Development of data acquisition system for CNC machine tools	Xueguang Li, Wenguang An, Huizhong Hu, Penghui Li, Xinghe Jiang
	EA058	Chinese Sign Language Key Action Recognition Based on Extenics Immune Neural Network	Yue Sun, Tiantian Yuan, Junfen Chen, Rui Feng
	EA060	A Novel Distributed Anomaly Detection Algorithm for Low-density Data	Lin Mei, Fengli Zhang
	EA061	CASE-A Conditional Adaptive Scalable Expert Structure for Classification	Chenkai Ma, Wenxian Feng, Guozhang Zhao, Rui Zhang
	EA062	A Robust Automatic Meter Reading System based on Mask-RCNN	Abdullah Azeem, Waqar Riaz, Abubakar Siddique, Saifullah, Umar

			Ajaib Khan
	EA065	Research on Data Augmentation for Object Detection Based on X- ray Security Inspection Picture	Yin Luo, Ligu Zhu
	EA067	High Voltage Generation and Ripple Suppression Design of 22kV Switching Power Supply	Kou Genqiang, Zhang Jinling
Oral Session C	EA068	Text Sentiment Classification Based on Attention Mechanism and Decomposition Convolutional Neural Network model	Dong Cao, Yujie Huang, Hui Li, Xu Zhao, Haibo Chen, Yunbin Fu
	EA075	Geoacoustic parameter inversion from ship radiated noise using the structure similarity of dispersion curves	Wenpeng Qu, Xiang Pan
	EA076	Data-to-text Generation with Pointer-Generator Networks	Mengzhu Liu, Zhaonan Mu, Jieping Sun, Cheng Wang
	EA077	A novel tree-topology based routing algorithm for partially-trusted QKD networks	Xi Chen, Gonghua Hou, Xinyi Lin, Jianxiong Huang, Qing Yang, Kangjie Chen, Ruyin Chen
	EA080	A robust CNN model for handwritten digits recognition and classification	Saqib Ali, Zareen Sakhawat, Tariq Mahmood, Muhammad Saqlain Aslam,Zeeshan Shaukat, Sana Sahiba
	EA082	Design and Improvement of a Non-contact low Frequency RFID Card Reader	Wang Xueyao, Zhang Jian
	EA083	Evolving from Traditional Systems to AIOps: Design, Implementation and Measurements	Shijun Shen, Jiuling Zhang, Daochao Huang, Jun Xiao
	EA088	Tracing Method for Electronic Snapshot System of Black Smoke Vehicle	Yao Yao, Jiajing Liu, Yu Liu, Yang Wu, Zijun Guo
	EA089	Research on Workflow Rule Engine Based on Process Manager Screening	Tian Yali, Zhang Zheng, Bian Dezhi
	EA091	Factory Energy Data Imputation by Nearest Neighbor Search with Clustering	Yihao Ang, Yongan Qian, Siyuan Gao
	EA094	Simulink Model of High-Speed Train Pantograph-Catenary Offline Arc	Lin Yuwen, Feng Qingpeng, Liu Yining
	EA096	EEG Signals Denoising Using Bayesian Estimation	Jiahe Guo, Hongxv Wang, Chenjie Zhang, Xuemei Bai

	EA099	Research on Three Picking Arm Avoidance Algorithms for Agaricus Mushroom Picking Robot	Bocai Jia, Shuzhen Yang, Tao Yu
	EA100	Construction of Classification Model for Product Quality Incidents Based on Dual Membership Fuzzy Support Vector Machine	Yingcheng Xu, Haiyan Wang, Ruyi Ye, Ya Li
Oral Session D	EA107	Mass spectrometric analysis of one-time tube sealing and exhausting of 72.5kV vacuum interrupter	Qi Dacui, Xue Congjun, Qi Chunwei, Zhai Shen, Wang Yuhao,Wang Zhengqi
	EA111	Optimal Fractional Order PID Controller Design for AVR System Based on Improved Genetic Algorithm	Jiake Sun, Lifei Wu, Xiaozhong Yang
	EA112	A Forwarding Secrecy Based Lightweight Authentication Scheme for Intelligent Logistics	Xueping Zhu, Yanxing Li, Yuan Lei
	EA115	Coordinated Control Strategy of Source-Load-Storage Considering the Regulatory Ability in Market Environment	Bangyu Yang, Yue Zhao, Zhiyong Gan, Wei Liu, Tianyi Yu, Jiang Bian
	EA117	Short-Term Cost Forecasting of EV Battery Using LSTM Network	Waqas Khan
	EA118	Research on Decision Making Technology for Maintenance Cycle of Operating Vehicle Components	Xiaojuan Yang, Fujia Liu, Shuquan Xv
	EA122	A selective enhancement degree and non-uniform selection encoding algorithm for digital fountain code	Yunfan Yang, Xiaofei Jiang
	EA126	Reliability Evaluation of Fuzzy Multi-state Systems Based on Stochastic Computation	Meizhen Ma, Li Liang, Xiaogang Song
	EA129	Analysis of Electricity Consumption Behavior of Air Conditioning based on the Perspective of Power Demand Response	Feixiang Gong, Ninghui Han, Lulu Zhang, Wenjun Ruan
	EA131	Research on Construction Method of Digital Twin Workshop Based on Digital Twin Engine	Luyao Xia, Jianfeng Lu, Hao Zhang
	EA136	An Area-Efficient Decimation Filter on High Resolution Sigma Delta A/D	Lepeng Lin, Bo Gao, Min Gong

		Converter for Biomedical Signal Processing	
	EA139	DPoC: Distributed Proof of Correctness for Blockchain in the Internet of Things	Hang Yu, Pengbo Si, Gefan Wang, Yanhua Zhang
	EA141	A Modified Stochastic User Equilibrium Based Back-Propagation Method of Transportation Network State Estimation	Yan Chenyang, Yang Jiawen, Xu Jin, Wu Guangzhou, Lian Liping
	EA142	Simultaneous estimation of individual coefficient, mean and covariance of origin-destination demands from day-to-day parking data and traffic counts	Yan Chenyang, Yang Jiawen, Xu Jin, Huang Yongxian, Lian Liping
Oral Session E	EA144	Research on Mobile Water Quality Monitoring System Based on Underwater Bionic Robot Fish Platform	Chen Kai, Zhu Weiwei, Dou Lu
	EA146	User Application Behavior Sequence Generation	Xu Niu, Hongri Liu, Guodong Xin, Junheng Huang, Bin Li
	EA149	IHF: Industrial High Frequency Operation Queue Discovery Algorithm	Yuntong Guan, Guodong Xin, Yuliang Wei, Wei Wang, Bailing Wang
	EA153	An Efficient Method of Casting Defects Detection Based on Deep Learning	Lin Xue, Junming Hei, Xiangji Chen, Ying Xu, Licai Zheng
	EA154	Compact Modeling of THZ Photomixer Made from GaN HEMT	Yu Chen, Jin He, Yandong He, Yiqun Wei, Guoqing Hu, Chunlai Li, Xiaomeng He, and Huayu Kang
	EA155	A Surface Potential Based Compact Model for GaN HEMT I-V and CV Simulation	Yu Chen, Jin He, Yandong He, Yiqun Wei, Guoqing Hu, Chunlai Li, Xiaomeng He, and Rui Wang
	EA156	Realization of Hydraulic Control System of Horizontal Rotary Forging Machine	Zhang Rihong, Yang Songxia, Li Xiaomin
	EA158	Stress Reliability Study of GaN HEMT Devices	Aixi Zhang, Yandong He, Jin He, Yiqun Wei, Guoqing Hu, Chunlai Li, Guangjin Ma, and Rui Wang
	EA159	Compact Modeling of Capacitance Components for GaN HEMTs	Aixi Zhang, Yandong He, Jin He, Yiqun Wei, Chunlai Li, Guangjin Ma, Xiaomeng He, and Rui Wang
	EA161	Design of a portable toxic gas monitor	Yu Cong, Baofeng Zhang, Yunlong Xing, Junchao Zhu
	EA163	Small object detection in aerial view based on improved YoloV3 neural	Fuyan Lin, Xin Zheng, Qiang Wu

		network	
	EA164	An Efficient OpenGL-Based Image Processing Method on Radar Echo Data	Kang Yingwei, Xu Ning
	EA166	Modeling and Simulation for the Coupled Transmission Performance Between High-Frequency Microwave and Lightwave	Na Sun, Degui Sun, Yue Han, Bruce Wessels
	EA167	Goos–Hänchen and Imbert–Fedorov Shifts in the Guided Mode of the Silicon-on-Insulator Waveguide	Zhuo Chen, Degui Sun, Tiancheng Li
Oral Session F	EA168	Design of Mosquito Killers Based on Intelligent Lighting Control over Solar Energy and High-Voltage DC	Li Kefeng, Yu Lijun
	EA169	Design of Circuit Patrol Monitor Module Based on ARM Processor	Yu Tian, Qilong Hu, Hua Liang, Lin Fan, Yanpeng Guo
	EA171	Analysis for the Dominant Factors to Determine the Correlation Length of Silicon Waveguides on a Rough Insulator	Bin Wang, Degui Sun, Hongpeng Sang
	EA172	Jamming Signal Detection Based on TSVD Method	Xu Yang, Anping Li, Meiying Wei, Xiaofei Zhang, Sixue Lu, Wen Wang
	EA174	Assessment for the Radio Frequency Exposure Worst Case of Multiple Antennas Based on Particle Swarm Optimization	Yinfeng Zhou, Xuejun Zhang, Huirong Li
	EA176	A Spectrum Handoff Method Based on Reinforcement and Transfer Learning	Jiaxing Zhao, Wei Shao, Fuchang Li, Qisen Zhou
	EA177	Planning strategy of multi-station integration for substations in power systems	Yan Zhang, Chen Zhang, Ying Zou, Jing Chen, Lei Sun, Zhichao Yang, Chuanliang Xiao
	EA179	Simulation Research on Vector Control Strategy with Feedforward Compensation of Doublly-fed Induction Generator	Boning Yu, Ming Dong, Ming Ren
	EA181	Generation Method of Hierarchical Pronunciation Font for Hearing-impaired Children Based on Artificial Intelligence	Ziqi Xu, Weikang Zou, Deyu Lin

	EA184	Design of a Measurement Error Calibration Device for Platinum Resistance Temperature Transmitter	Xiaoqing Li, Haiying Dong, Huatai Chen
	EA186	Partial Discharge Characteristics of Glass Fiber Reinforced Plastic at Low Temperature	Zhibin Zhang, Ming Ren, Bo Song
	EA187	Copyright Certificate Storage and Trading System Based on Blockchain	Pengbin Han, Aina Sui, Tao Jiang, Chaonan Gu
	EA189	An Improved ViBe Algorithm for Quickly Suppressing Ghosts	Enjian Bai, Jiahui Zhao, Yun Wu
	EA190	Multi-Agent Mean Field Predict Reinforcement Learning	Shiyang Zhou, Weiya Ren, Xiaoguang Ren, Xiaodong Yi
Oral Session G	EA194	Research on and Application of Fault Disposal in Flexible Interconnection Distribution Network	Sujuan Huang, Shuang Wu, Jiaqi Zhang, Baohua Sun, Tao Han
	EA195	Max-Min Ant System Applied to the Ship Lock Arrangement Problem	Ruijie Liu, Lin Li, Yu Bo, Lijuan Wang
	EA196	Research on Optimization of Load Distribution in Power Systems Based on PSO	Xingyi Li, Suqin Qian, Junjie Wang
	EA198	Research and Application of Three-phase Power Flow Calculation in Distribution Network	Yulin Zhang, Jiancui Zhang
	EA199	Fault Diagnosis of Power Equipment Based on Infrared Image Analysis	Chenxi Guo, Ming Ren, Changjie Xia, Ming Dong, Bin Wang
	EA202	Application of Kramers-Kronig Function in Analyzing Frequency Domain Dielectric Response of Oil-paper	Jiacheng Xie, Ming Dong, Kaige Yang, Boning Yu, Yizhuo Hu
	EA203	Mechanical Fault Detection Based on Pattern Recognition	Jinze Li, Hui Dong, Qinrui Liu, Yue Yu
	EA205	Study on the Characteristics of Electromagnetic Actuator VT-300	Chengwu Shen, Zhiqian Wang, Qinwen Li, Chang Liu, Shaojin Liu, Jianrong Li
	EA206	Design of High Performance Image Acquisition and Processing Platform Based on DSP and FPGA	Chenjun Yang, Mengwei Chen
	EA207	Equilibrium Trading Strategy of Integrated Energy Systems Based on Non-cooperative Game Theory	Jiangping Jing, Yi Wu, Wei Hu, Xuedong Jiang, Xiaobo Li, Chaoqun Wang

	EA208	Research on Electricity Load Based on Deep Clustering Model	Chunjie Zhu, Xiaohua Xu, Zhuping Liu, Jianyue Pan, Liqin Shi
	EA211	Research on Predictive Control Based on Long-Short-Term Memory Network	Chunyu Gao, Ming Xie, Wei Jiang, Ze Dong
	EA213	Research on Dynamic Detection of Java Dependency Conflict	Kefeng Pan, Yongzhi Wang
	EA215	Risk Assessment and Auxiliary Decision-making of Power Grid under Extreme Weather based on Holographic Geographic Information	Chunjie Zhu, Xiaohua Xu, Jianyue Pan, Bo Zhou, Liqin Shi
Oral Session H	EA217	Onion Rotation: An Information-reserved Rotation Method to Augment Data in Image Recognition	Pengcheng Ouyang, Shiqing Cheng, Haoran Ren, Linsong Xu
	EA220	5G Military Application Scenarios and Private Network Architectures	Jingjing Liao, Xinjian Ou
	EA223	Handwritten Digit Recognition System Based on Convolutional Neural Network	Jinze Li, Gongbo Sun, Leiye Yi, Qian Cao, Fusen Liang, Yu Sun
	EA224	Research on the Method of Position Recognition of Titanium Alloy Pipeline Weld	Cheng Wang, Ziyu Wang, Jizhou Liu, Mingli Ding, Yongqiang Li
	EA226	Real-time Multidimensional Data Mining and Analysis Technology Based on Big Data	Yuan Tian, Wen Ma
	EA228	Design of Imitation Camouflage Pattern Based on Multi-Resolution Decomposition	Qi Jia, Wenxin Zhu, Jun Liu, Yuji Gao
	EA229	Experimental Study on Camouflage Effect Evaluation Based on Eye Movement Instrument	Jia Qi, Gao Yuji, Yang Xin, Zhu Wenxin
	EA231	Design and Camouflage Effect of Facial Camouflage Pattern	Qi Jia, Hao Xue, Suhong Wang, Chenghao Ma
	EA232	Investigation Concerning Power System Stability	Peihang Zhang, Ping Chen
	EA235	A Stream Clustering Algorithm of Self-Adaptive Method	Liang Gu, Wanli Ma, Yi An, Dacheng Huang
	EA238	Flow Prediction in Spatio-Temporal Networks Based on Deviation Correction Hybrid Model	Tai Ma, Xin Feng, Chaoran Zhou, Xin Zhou

	EA240	The Research for Recommendation System Based on Improved KNN Algorithm	Bin Li, Sailuo Wan, Hua Xia, Fengshou Qian
	EA241	On Route Design with Ant Colony Optimization Algorithm for Power Line Communication Network	Wenyu Sun, Yanling Zhu, Le Li, Yuwen Qian
	EA244	Improved SURF Feature Matching Algorithm Based on FAST Scale Area	Huadong Sun, Liang Liu, Ronghui Wang, Xiaowei Han
Oral Session I	EA245	A Comparative Study of Image Features and Similarity Measurement Methods in Cross-modal Retrieval of Commodity Images	Baoxing Qiao, Zhipeng Fan, Ran Wang, Zhijie Zhao, Hongjie Zhang
	EA247	Electron Heating Dynamics in Capacitively Coupled Plasmas Radio-Frequency Discharges at Low Pressures	Lulu Zhao, Tagra Samir, Huizhen Yan
	EA252	End-to-End Anti-Attack Iris Location Based on Lightweight Network	Hongming Peng, Bingbing Li, Di He, Junning Wang
	EA259	A Parallel Computing Framework for Cloud Services	Aidong Fang, Lin Cui, Zhiwei Zhang, Congjiang Chen, Zhuang Sheng
	EA277	Anomaly monitoring in high-density data centers based on gaussian distribution anomaly detection algorithm	Lin Wang, Jun Yu, Lingpeng Shi, Shida Lu, Hengmao Pang, Haiyang Chen, Zhu Mei, Mingjie Xu, Lin Qian
	EA279	Efficient Pre-diagnosis Approach for Rarkinson's Disease with Machine Learning	Yuqi Qiu
	EA285	Design of a Novel Parallel and Self-adaptive Under-actuated Robotic Hand	Xiaodong Zhou, Qiang Zhang, Jianfeng Li, and Yuan Kong
	EA286	Research on Feature Extraction and Recognition Method of Underwater Acoustic Target Based on Deep Convolutional Network	Peibing Wang, Yuan Peng
	EA290	Nonlinear control combined with terminal angular velocity mode separation strategy of STATCOM	Li Xiaocong, Yang Xiao
	EA292	A Food Safety Text Filtering Method Based on Text Classification Techniques	Dong Zhe, Kang Yujia, Shao Ruoqi, Liu Zhenyi
	EA296	A New Spatial Modulation Technology Based on Difference Equation	Guo Pengcheng, Ren Bingyin, Zhang Yongxin, Niu Teng
	EA309	A Standard Architecture of Agricultural Big Data for Deep Learning	Xiaojun Cui, Zihang Gao

	EA310	Research on Image Super Resolution Reconstruction Model Based on Deep Learning	Yuhao Zeng, Sijie Peng, Shengyi Ruan
	EA314	Development of prototype product of Vehicle Ad-hoc Network communication terminal	Hui Xue, Momiao Zhou, Yan Wu, Zhizhong Ding, Chao Sun
	EA317	Research on LSB-based Digital Image Information Camouflage Algorithm	Lin Wang, Jun Yu, Wu Weifeng, Feng Mei, Wenda Lu, Haiyang Chen, Mingjie Xu, Zhu Mei
Oral Session J	EA320	Design experiment on tile pattern design and laying scheme with JavaScript	Jiang Yi
	EA324	An Optophone Based on Raspberry Pi and Android Wireless Communication	Ying Li, Junxin Cheng, and Xin Wang
	EA326	Intelligent marking system based on STM32	Boyong Cai
	EA333	Study of a Novel Broadband Via on Microwave Multilayer PCB Technique	Qinghui Song, Jiancheng Liu, Xiaoming Li
	EA337	Machine proof of Equivalence between Axiom of Choice and Product Theorem of Standard Family Sets	Hongwei Lv, Jia Liu, Yaoshun Fu, Wensheng Yu
	EA339	Study on SVM-based Flame Recognition and Fire Warning for Cotton and Linen Warehouses	Xinran Zhao, Shanshan Hao, Lei Guan, Yue Wang, Qianlin Zhao, Dongsheng Lv
	EA346	Teaching Quality Evaluation System for College Teachers Based on Artificial Intelligence Facial Expression Recognition Technology	Jie Sun, Jinmeng Niu, Hang Zhang, Quanhai Zhu, Xiaohua Xu
	EA352	Trajectory Tracking of Manipulator Based on Iterative Learning Control	Geng Xukun, Wang Lin, Zhao Zidong
	EA353	Research on Integrated Security Management and Control Technology of Big Data Information Platform in the Intelligent Community Based on 5G	Chao Long, Xiulan Du, Donglin Wang, Wenxia Liu
	EA362	Classification of Natural Language Semantic Relations under Deep Learning	Xiaofang Liao, Zijiang Zhu
	EA365	Discussion and Analysis on the Application of Passive Network Model	Zipei Tan, Zinan Yang, Qu Luo

		Based on APRIORI Algorithm and Time Series Dimensions	
	EA367	Research for Bidirectional Path Planning Based on An Improved A* Algorithm	Shengwei Liu, Yue Ma
	EA370	A New Refraction/Diffraction Hybrid Eyepiece Design	Lin Li, Jie Yu, Qiang Han, Xinyi Lv, Xiance Jiang, Mingxu Yang
	EA371	Multi-factor Stock Selecting Model Based on Residual Net and LSTM Deep Learning Algorithm	Muhao Chen, Weixia Guo
	EA377	Research on EHA Control Strategy Used in Tank Gun	Xuelei Zhang, Yongling Fu, Zhenyu Gou
Poster Session I	EA006	Research on Adaptive Synchronous Control of Dual Motors Based on Neurons	Zefeng Huang, Heng Wan, Fuzhi Jin, Mengxu Gu
	EA009	A study on the classification of left - and right-handed eeg signals based on motor imagination	Ye Yu
	EA013	Application of waveform and data flow analysis in engine sensor fault determination - a case study of Volkswagen B7 engine	Bingxian Li, Shengbo Zhou, Donglei Zhang
	EA017	The Life Cycle Integrated Management and Control Platform for Smart Hydropower Stations	Yuechao Wu, Yuanlin Luo, Bo Zheng, Zhenqiu Feng, Huiliang Shen, Jiong Lu
	EA021	SDN-based traffic scheduling scheme for energy storage data center based on differential algorithm and congestion degree	Li Peizhe, Liu Chaoqun, Yang Kai, Zhang Mingjie, Gao Fei, Xu Jingwen, Zhang Yunwei
	EA026	YOLO Based Recognition Method for Automatic License Plate Recognition	Waqar Riaz, Abdullah Azeem, Gao Chenqiang, Zhou Yuxi, Saifullah, Waqas Khalid
	EA027	Extreme trees network intrusion detection framework based on ensemble learning	Xiujin Shi, Yifan Cai, Yang Yang
Poster Session II	EA029	Research on Global Optimization Scheduling Method of High-speed Railway Emergency Resource Based on Service Pool	Li Ping, Wang Pu, Zheng Jinzi
	EA031	Restaurants' Rating Prediction Using Yelp Dataset	Yifan Chen, Fanzeng Xia

	EA035	Research on the prediction algorithm about the number of workers returning to work based on the COVID-19	Bingtao Gao, Zhengang Zhai, Lei Wang, Zhiyuan Pan, Song Xu, Dan Liu, Yijia Hu, Junyan Wang
	EA040	Design of fire alarm system with automatic position	Chen Xinhao, Wang Siqi, Han Chenghao
	EA044	Controller Cluster Optimization and Simulation of Satellite Network in Naval Battle Circumstance	Wei Luo, Xiaopeng Wang, Min Wang, Hao Tao, Jing Wu
	EA047	A Methodology of Determining Weight Ratios of Different Question Types Based on Back Propagation Neural Network	Shengnan Cao, Yan Zhong
	EA051	FSRF:An Improved Random Forest for Classification	Wenxian Feng, Chenkai Ma, Guozhang Zhao, Rui Zhang
Poster Session III	EA054	Research on Mongolian-Chinese Machine Translation Based on Dual-Learning	Shuo Sun, Hongxu Hou, Nier Wu, Ziyue Guo
	EA059	STM32-Based Platform for Testing Energy Storage Lithium Battery	Jizhong Chen, Peijun Qin, Zheng Li, Yanbo Che, Yibin Cai
	EA063	Mobile Terminal Implementation of Image Filtering and Edge Detection Based on OpenCV	Jinshu Bai, Yicen Li, Lan Lin, Lixin Chen
	EA066	Research on Autonomous and Controllable High-performance Consensus Mechanism of Blockchain	Yang Chengfu
	EA079	Decision-Making in Machine Learning	Guanwei Huang, Mavin Buss
	EA081	Asymmetric convolution kernel for deep optical flow estimation	Yueran Zu, Wenzhong Tang, Xiuguo Bao, Yanyang Wang, Shuai Wang
	EA086	The Executors Scheduling Algorithm for the Web Server Based on the Attack Surface	Guanglai Nie, Zheng Zhang, Yufeng Zhao
Poster Session IV	EA090	Detection of Spinal Fracture Lesions Based on Improved Yolo-tiny	Gang Sha, Junsheng Wu, Bin Yu
	EA093	A Generic Variable Inputs Quantum Algorithm for 3-SAT Problem	Ping Wang, Guangqiang Liu, Liyan Liu
	EA097	The Architecture of Micro-services and the Separation of Frond-end and Back-end Applied in a Campus Information System	Yifei Gong, Feng Gu, Kengbin Chen, Fei Wang

	EA103	A Multilevel Computing Model of Internet-related Markets Evolution	Wentao Liu, Hao Li
	EA106	Magnetic Field Simulation Analysis of New Type Coil-type Axial Magnetic	Li Xiaozhao, Zhang Yang, Wang Yuhao, Ji Lei, Wang Zhengqi
	EA110	Damage evaluation of microwave anti swarm attack based on scoring method	Qiyu Liu, Jun Wang, Yinhua Jun
	EA114	Design and Implementation of Embedded Cloth Edge Detection System	Ran Cao, Bing Jiang, Dawei Tang
Poster Session V	EA119	Influence of Capacitor Voltage Transformer's Transient Response on Commutation of HVDC Transmission System	Zhao Dandan, Cao Yilie, Gu Danzhen, Zhao Sanshan, Liu Chenlei
	EA123	Modeling and Simulation of Pressure Control in High Pressure Fuel Engineering	Xiaoming Xu, Jiawei Yu, Zhengyu Huang
	EA128	The Application of Underground Power Cable Anti-breakage Device based on Biological Perception	Guangyuan Yao, Jun Lv, Jianer Wu, Ming Zhao, Chengzhu Wang, Fuping Li, Quanbo Miao, Jie Zhou, Mingquan Zhou, Jinlei Hou
	EA135	A PFC Converter With Low Ripple and High Efficiency	Bing Quan, Gaili Yue, Zewu Huang
	EA140	Classification of Mars Lineament and Non-Lineament Structure Based on ResNet50	Pengcheng Yan, Yanze Su, Xiaolin Tian
	EA145	Design and test of FM radio positioning system for multi rotor UAV	Zhang Xingxing, Zhang Wenhui, Xia Jianli
	EA150	Network Security Situation Prediction in Software Defined Networking Data Plane	Mingren Sheng, Hongri Liu, Xu Yang, Wei Wang, Junheng Huang, Bailing Wang
Poster Session VI	EA160	Efficient Privacy Preserving Decision Tree Inference Service	Shengchao Ding, Zhenfu Cao, Xiaolei Dong
	EA170	Design and implementation of voice-controled intelligent fan system based on machine learning	Jiawei Li, Yuanming Cheng
	EA173	Solution of ackley function based on particle swarm optimization algorithm	Wei Cai, Li Yang, Yu Yu
	EA180	Comparisons on KNN, SVM, BP and the CNN for Handwritten Digit Recognition	Wenfei Liu, Jingcheng Wei, Qingmin Meng
	EA182	Traffic Classification Based on Graph Convolutional Network	Xingguo Ji, Qingmin Meng

	EA188	Research and Implementation of Electric Marketing and Distribution Data Fusion Technology Based on Graph Database	Junfeng Qiao, Aihua Zhou, Hongbin Qiu
	EA191	Design and Simulation Analysis of Drill Pipe Holding Manipulator	Ruoqi Zhang, Weiqing Li, Man Zhang
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	EA200	Intelligent Energy Saving System of Precision Air Conditioning in Data Center Room	Feihu Hu, Qianli Ma, Xiaochun Hou, Jiawei Ye
	EA210	The Application of Ensemble Learning on Named Entity Recognition for Legal Knowledgebase of Properties Involved in Criminal Cases	Zongshen Jiang
	EA221	Research on Advertising Image Recognition Technology Based on Convolutional Neural Network	Xiaomei Liu, Fazhi Qi
	EA227	A Comparative Study on the Realization Methods of Computer Aided Design Facial Camouflage	Qi Jia, Chenghao Ma, Liyan Zhu, Hao Xue
	EA236	Research on UAV Balance Control Based on Expert-fuzzy Adaptive PID	Xusheng Hu, Juan Liu
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	EA291	Text classification algorithm based on sparse distributed representation	Yaxin Ran, Hongqi Han
	EA293	Collaborative Filtering Based on a New Matrix Factorization Algorithm	Yongjie Yan, Hui Xie, Li Ma, Huowen Jiang
	EA304	Multi-Agent Deep Deterministic Policy Gradient for Traffic Signal Control on Urban Road Network	Shuyang Li

	EA306	A Summary of Research Results on the Acquisition and Application of Typical Navigation Parameters of Intelligent Ship	Shi Pu, Guangfu Cheng, Tongkui Yu, Shuo Xu
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	EA316	Research of Indoor Localization Technology of Robot Based on Cosines Law	Xu Yangyang, Yang Kefeng, Zhao Yan, Chen Ming
	EA319	Design Experiment of Spatial Dimension of Infographics in the Background of AR —Take the Beijing 2022 Winter Olympics as an Example	Guo Yantong, Xia Bing, Xu Xiaofeng
	EA321	Transplantation and optimization based on embedded binocular algorithm	Rubing Bai
	EA325	Research on Tactical Intention Recognition Method Based on Probabilistic Network Ontology Language	Zhen Lei, Peizhi Cui, Yanyan Huang
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