

**2022 3rd IEEE International Conference on Advances in Electrical
Engineering and Computer Applications (AEECA 2022)**

Conference Program



VooV (Online) Meeting

August 19-21, 2022

Introduction

Due to the epidemic situation, the 3rd IEEE International Conference on Advances in Electrical Engineering and Computer Applications (AEECA 2022), which was originally planned to be held in Dalian, China during August 19-21, 2022 **will be adjusted to online mode on August 19-21, 2022.**

AEECA 2022 is jointly organized by International Association of Applied Science and Technology (IAAST), Zhengzhou University, Beijing University of Technology and Wuhan Institute of Technology. It will bring together researchers and scientists from electrical engineering, computer applications and other related fields to discuss problems and solutions in the area, to identify new issues, and to shape future directions for research. This conference provides opportunities for the delegates to exchange new ideas and application experiences, to establish business or research relations and to find global partners for future collaboration.

Organization

Organizers

International Association of Applied Science and Technology (IAAST)

Zhengzhou University

Beijing University of Technology

Wuhan Institute of Technology

General Chair



Yanling Cai, Professor, Zhengzhou University, China

Research Interests: Product planning, healthcare management and telemedicine system, and E-commerce platform enterprise strategy, manufacturing system.

Co-chair



Jingsha He, Professor, Beijing University of Technology, China

Research Interests: Computer networks, information safety, 3D printing, big data and cloud computing security, digital forensics.

International Scientific Committee

Alankrita Aggarwal, Panipat Institute of Engineering and Technology, India

Amine Khaldi, Universite Kasdi Merbah Ouargla, Algeria

Bin Xue, National University of Defense Technology, China

Biplob Ray, Deakin University, Australia

Danilo Avola, Sapienza University of Rome, Italy

Farzin ASADI, Kocaeli University, Turkey

G.G.Raja Sekhar, KL University, India

Gorka Urbikain Pelayo, Universidad País Vasco, Spain

Guntha Karthik, Institute Academic Planning, Stanley College of Engineering and Technology for Women (Autonomous), India

Hadeel K. Aljobouri, AL-NAHRAIN UNIVERSITY COLLEGE OF ENGINEERING, Baghdad, Iraq

Harish Kumar Sahoo, IIIT Bhubaneswar, Govt. University, India

Hidayat Bin Zainuddin, Universiti Teknikal Malaysia Melaka, Malaysia

Hongfei Zhu, Chongqing University of Posts and Telecommunications, China

J. Amudhavel, VIT Bhopal University, India

K. THAMIZHMARAN M.E., Govt. College of Engineering, Bodinayakkanur, India

Kuan Yew Wong, UniversitiTeknologi Malaysia, Malaysia

Lavika Goel, Birla Institute of Technology Science, India

Leila Ghomri, University of Mostaganem, Algeria

MAHA ABDULAMEER KADHIM, Technical Instructors Training Institute-The Middle Technical University, Iraq

Mohd. Faisal Khan, Aligarh Muslim University, India

Moutaz Alazab, Faculty of Artificial Intelligence, BAU

Nameer N. EL-Emam, Philadelphia University, Amman, Jordan

Olga Shabalina, Volgograd State technical University, Russia

Omer K. Jasim, University of Fallujah, Iraq

Pavlo Maruschak, Ternopil Ivan Puluj National Technical University, Ukraine


Pooja Singh, Department of Mathematics, VJTI, Mumbai, India
Przemyslaw Falkowski-Gilski, Gdansk University of Technology, Poland
RAJDEEP CHAKRABORTY, Netaji Subhash Engineering College, India
Ravipudi Venkata Rao, S. V. National Institute of Technology, India
Reza Rahimi, Cloud Storage Lab, Huawei Innovation Center, USA
Sachin Shankarrao Chavan, Bharati Vidyapeeth (Deemed to be University) College of Engineering, India
S. SMYS, Information Technology Karpagam College of Engineering, India
Siddhartha Bhattacharyya, RCC Institute of Information Technology, India
Siriporn Dachasilaruk, Faculty of Engineering, Naresuan University, Thailand
Ştefan Ţălu, the Technical University of Cluj-Napoca, Romania
Sulayman K. Sowe, National Institute of Information and Communications Technology, Japan
Wenlan Qiu, University of Houston, USA
Xiangyu Wang, Curtin University, Australia
Xiao Gaoxi, Nanyang Technological University, Singapore
Yaqoob Mubarak Mohammed Al Rahbi, International Maritime College Oman
Yongqiang Zhao, Northwestern Polytechnical University, China
Young SeobJeong, Korea Advanced Institute of Science and Technology, Korea
Yusri Yusof, Universiti Tun Hussein Onn Malaysia, Malaysia
Zhenghao Shi, Xi'an University of Technology, China
Zhuxing Yang, National Cheng Kung University, Taiwan

Publication Chair


Tingchun Yan, Assistant Professor, Heilongjiang University, China

Conference Agenda

Keynote Session

 August 19 09:00-18:00

Oral Presentation

 August 20 08:00-12:00 Session A1, A2, A3, A4, A5
14:00-18:00 Session B1, B2, B3, B4, B5

 August 21 08:00-12:00 Session C1, C2, C3, C4, C5

Poster Presentation

 Start from August 20, 08:00 For all posters

<http://www.aeeca.com/program.html>

Keynote Session

August 19, 2022

Welcome Speech & Invited Speeches TOPIC: AEECA2022 (2022-08-19) TIME: 2022/08/19 09:00-2022/08/19 18:00 (GMT+08:00) Beijing Time Click the link below, or add it to your conference list: https://meeting.tencent.com/dm/fMMt8VreEJ5Z Conference ID: 774-883-440	
09:00-09:15	Opening Ceremony from Prof. Yanling Cai, Zhengzhou University, China; Prof. Jingsha He, Beijing University of Technology, China
09:15-09:55	M. A. JABBAR, Professor and Head of the Department CSE(AI&ML), Vardhaman College of Engineering, India.
09:55-10:35	CH VKNSN Moorthy, Professor, Director R&D, Vasavi College of Engineering, India.
10:35-11:15	Prem Kumar Singh, Associate Professor, Gandhi Institute of Technology and Management, India.
11:15-11:50	Wenfeng Wang, Chief Scientist, Slailab, shanghai lin'gang artificial intelligence lab, China
11:50-13:30	Break
13:30-14:00	Madihah Mohd Saudi, Associate Professor, Chief Information Officer (CIO), Universiti Sains Islam Malaysia (USIM), Malaysia.
14:00-14:30	Danilo Avola, Assistant Professor, Sapienza University of Rome, Italy.
14:30-15:00	Anand Nayyar, Assistant Professor, Duy Tan University, Vietnam.
15:00-15:30	KORHAN CENGIZ, Assistant Professor, IEEE/ACM Member, University of Fujairah, UAE.
15:30-16:00	M.SEENIVASAN, Associate Professor and Coordinator, Annamalai University, India.
16:00-16:30	Majid Forghani Elahabad, Assistant professor, Federal University of ABC, Brazil.
16:30-17:00	Ir. Ts. Dr. Vimal Rau Aparow, Assistant Professor, Faculty of Science and Engineering, University of Nottingham Malaysia.
17:00-17:30	Wen-Cheng Lai, Professor, National Yunlin University of Science and Technology, Taiwan, China.

Approaches to Attend Conference

Oral Session A1

Input conference ID: **676-849-638**

Click conference link: <https://meeting.tencent.com/dm/sv9JsHCrg2v4>

Oral Session A2

Input conference ID: **566-518-821**

Click conference link: <https://meeting.tencent.com/dm/gcVK8XVpsBh3>

Oral Session A3

Input conference ID: **526-507-346**

Click conference link: <https://meeting.tencent.com/dm/yqris99DEhr>

Oral Session A4

Input conference ID: **511-827-205**

Click conference link: <https://meeting.tencent.com/dm/4sUdrFHflv>

Oral Session A5

Input conference ID: **188-106-792**

Click conference link: <https://meeting.tencent.com/dm/8REriIMFn1jM>

Oral Session B1

Input conference ID: **375-352-097**

Click conference link: <https://meeting.tencent.com/dm/h4V8utNVtukg>

Oral Session B2

Input conference ID: **449-807-980**

Click conference link: <https://meeting.tencent.com/dm/hBlrfxZMjKtf>

Oral Session B3

Input conference ID: **901-510-144**

Click conference link: <https://meeting.tencent.com/dm/Wznqez5iQjty>

Oral Session B4

Input conference ID: **517-221-675**

Click conference link: <https://meeting.tencent.com/dm/ZnAH3eE0aCxG>

Oral Session B5

Input conference ID: **369-276-196**

Click conference link: <https://meeting.tencent.com/dm/szk5HQqdvIWL>

Oral Session C1

Input conference ID: **426-508-348**

Click conference link: <https://meeting.tencent.com/dm/RFbzyAIVXt7C>

Oral Session C2

Input conference ID: **160-405-396**

Click conference link: <https://meeting.tencent.com/dm/L4sV875kp6gA>

Oral Session C3

Input conference ID: **389-606-683**

Click conference link: <https://meeting.tencent.com/dm/G3gP0K2t8elh>

Oral Session C4

Input conference ID: **987-207-175**

Click conference link: <https://meeting.tencent.com/dm/9BUS4JwG3blq>

Oral Session C5

Input conference ID: **959-856-470**

Click conference link: <https://meeting.tencent.com/dm/yggUHe0iT7V7>

Arrangement for Oral & Poster Presentation

Session	Code	Title	Author(s)
Oral Session A1	EA001	Fault diagnosis research of UUV thruster based on sliding window and convolutional neural network	Wang Xuan, Sun Hanxu, Lan Xiaojuan
	EA004	Pavement Crack Detection based on Attention Mechanism and Multi Features Fusion	Xiaoyu Dong
	EA005	BER Research of OFDM Systems under QPSK and 16-QAM Modulation	Huajun Chen, Ning Ran, Lina Yuan
	EA007	Few-shot Partial Discharge Pattern Recognition for Power Cables	Yunfei Yue, Kang Sun, Shuchun Dong
	EA008	Carrier Frequency Offset-Based OFDM Synchronization Technology	Lina Yuan, Peng Mu, Anran Zhou
	EA010	A Semantic-Based Smart Contract Defect Detection General Platform	Xiaoqiang Wang, Jianhua Li, Xuesen Zhang
	EA014	Research on the Classification Method of Urolithiasis Composition Based on Machine Learning	Xingjiao Liao, Yaohui Liu, Mei Guo, Fang Yu
	EA015	A Novel Method based on Ensemble Empirical Mode Decomposition and Fusion Convolutional Neural Network for EEG Motor Classification	Xiong Xiong, Guixia Kang
	EA017	Reliability Evaluation Method of Mobile Payment E-commerce System based on Support Vector Machine	Shiwen Liu
	EA019	Design of Electrified Railroad Simulation System based on Virtual Reality Technology	Qian Wang
	EA020	Blockchain-based Medical Data Storage and Sharing System	Xiaoming Liu, Yueping Hong, Jintao Sun
	EA026	Malicious Domain Detection based on Heterogeneous Information Network and Fusion Features	Hui Zhang, Jianlong Tan, Bingxu Wang
	EA028	A New Chaotic Image Encryption Algorithm based on ILSS System and RAN Operation	Yiwei Li, Dong Li, Yongbo Yang, Xiang Dong
EA029	Research on Equilibrium Allocation Method of Urban Traffic Network based on Complex Network	Jianhua Liu, Taotao Gao, Yunxia Du	

	EA030	Fault Analysis and Simulation of Metro DC Traction Power Supply System under Multiple Working Conditions	Jie Luo
	EA031	Wind Farm Multi-Machine Aggregation Equivalent Method based on Probability Clustering	Man Xu, Jingran Wang, Jia'an Zhang, Junyan Wang, Haitao Liu, Guannan Wang
Oral Session A2	EA033	Weighted Spatial Processing Technique of Noise Signal on Towed Line Sonar Platform	Meijiao Yang, Dong Han, Ning Li
	EA036	Image Style Migration Algorithm based on HSV Color Model	Jinxiang Cui
	EA037	Development of High Precision DC Energy Meter	Peng Xiao, Qiong Hou, Hui Yuan
	EA038	A Dynamic Levy Flight Artificial Sheep Algorithm with Random Mutation Strategy and Elite Mutation Strategy	Tan Ding, Chen Feng, Yanhe Xu
	EA040	GIS-based Distribution Network Planning and Optimal Operation	Longlong Shang
	EA042	Criterion and Timing Strategy of Intentional Islanding based on Transient Stability Prediction	Zhaochen Wang, Zengping Wang
	EA044	A MIMO Antenna for Marine 5G Communications	Yifan Lin, Haoyu Zhang, Dacheng Hou
	EA045	Research on On-Board Multi-Sensor Fusion Algorithm based on Data Correlation	Jiahua Fu, Xuling Wu
	EA048	Particle Filtering for Online Slip-Gain Estimation in Induction Motor Drives	Wanying Zhang, Changjiang Wang, Dayang Yu
	EA049	Implementation of Convolutional Neural Network Accelerator based on ZYNQ	Li Li, Xinyu Chen, Wenbin Gao
	EA051	Fault Handling of Digital System in Nuclear Power Plants	Yue Guan, Jinsong Zhang, Ruihua Zhang, Jiongshen Gan, Muyuan Liu
EA052	A Latency-Aware Garbage Collection Strategy	Rongzhen Zhu, Tong Lei, Pengpeng Bai, Zhihang Cai, Weiguo Wu, Lei Tang	

	EA055	Research on Distributed Differential Desensitization Algorithm for Wireless Sensor Network	Yu Liu, Tong Wang, Lei Qiao, Wanli Sun, Lei Liang
	EA058	The Establishment of Internet-Based Network Physical Layer Security Identification System	Yunge Huang
	EA059	Optimization of Autonomous UAV Control Technology based on Computer Algorithms	Juan Dong, Yi Zhang
	EA060	Research and Improvement of Object Detection Algorithm based on Regression Method	Meiyan Li, Joey S. Aviles
Oral Session A3	EA062	On-line Monitoring System for Longitudinal Tear of Conveyor Belt based on LabVIEW	Chenchen Zhao
	EA063	Deformable Target Tracking Algorithm based on Feature Complementary Learning	Shengyuan Shi, Ying Zhang, Xinyu Zhang
	EA066	Attacks on a Certificate based Generic Access Scheme for Internet of Drones	Shuangshuang Liu, Chienming Chen
	EA067	Accelerating Ordinary Kriging Interpolation Algorithm on GPUs	Song Liu, Chenyu Zhao, Xiaoya An, Kai Gao, Yingjie Ji, Weiguo Wu
	EA069	Design and Application of Elevator Variable Frequency Speed Control System based on PLC	Yin Hou, Juan Dong
	EA070	Design and Implementation of Energy Saving Elevator Control System based on Single Chip Microcomputer	Yi Zhang, Juan Dong
	EA071	Automatic Balancing Control Algorithm for Precise Integration of Acceleration Signals	Ruihua Li, Lifang Chen, Yuda Long
	EA075	Design and Realization of Real-time Face Beauty System based on Android	Huali Liao, Jiexun Yang
	EA078	A Detection Algorithm of Malicious Code Variants based on Extreme Learning	Xiaolong Li, Xinghua Li, Feng Wang, Dongge Zhu
	EA079	Multisensor Data Fusion System for Slurry Level Measurement in Pulper	Hua Guo, Xuejing Zhang, Wenya Yang
	EA080	Research on Communication Network Security Detection System based on Computer Big Data	Xin Nie, Chengcheng Lou

	EA081	Sentiment Analysis of Social Media Comments based on Random Forest and Support Vector Machine	Shuo Wen, Peixin Wang, Jinying Zheng, Weiting Huang, Zhilong Ye, Xiaomin Li, Lixuan Zhao
	EA083	Fluid Simulation on the Effect of Pressure on Plasma Characteristics in Capacitively Coupled RF Argon Glow Discharge	Lulu Zhao, Cheng Chi, Haixing Wang, Tagra Samir, Xiuguo Bi
	EA088	Low Carbon Dispatching Method of Power Systems based on Two-stage Optimization	Zhaoyang Yan, Chaojie Ding, Yaming Ge, Xiao Li, Ting Zhou, Hao Xiong
	EA093	Research on the Competition and Development of Face Recognition Technology based on Patent Big Data Mining	Fenghua Zhao, Xue Bai, Qingrong Guo
	EA094	Research on Optimal Configuration and Operation Strategy of Distributed Energy Storage System	Jian Liu, Quanming Le, Biao Chen, Xianghai Xu, Xuan Yang, Ergang Zhao
Oral Session A4	EA095	Insulation Condition Assessment for Converter Transformer based on Frequency Domain Spectrum	Jian Wang, Zhifei Yang, Wenfeng Liao, Huaping Shan, Lei Zhao
	EA096	Research on the Accuracy and Efficiency of Near-infrared Face Recognition	Minrui Yan
	EA098	Design of Russian Language Recognition System	Shuang Zhang
	EA099	Research on Face Recognition based on Edge Alignment and Image Fusion	Zun Huang
	EA101	Modeling and Control of Bi-directional Converter based on Battery Management in Photovoltaic System	Yiyuan Shao, Xueqin Wu
	EA102	Online Monitoring Technology of Power Plant Equipment based on Big Data Accelerated Automatic Analysis	Song Gao, Yong Zhang, Longhao Zhang, Endi Fu, Huayou Wang
	EA104	Design of Power Grid Photovoltaic Data Visual Monitoring System for Energy Company User Service	Zhoubin Hu, Jinbao Li, Jundong Chen, Jing Yu, Yi Dai

	EA105	A Multi-task Learning Approach to Short-Term Load-Forecasting for Multiple Energy Loads in an Educational Building	Mohamad Khalil, Stephen McGough, Zoya Pourmirza, Mehdi Pazhoohesh, Sara Walker
	EA106	Efficiency improvement method of power-off protection test of embedded chip non-volatile memory	Bin Zhou, Xuesong Bai, Shengbo Qu
	EA109	Research on Intelligent Selection Algorithm of Aerospace Components based on Big Data	Chongyang Gu, Maogong Jiang, Peilei Li, Qianqian Lv, Bo Xiao, Wei Zhang
	EA111	Research on High-Quality Data Screening Algorithm for Sign Language	Shixiong Gao, Tiantian Yuan
	EA112	Development and application of intelligent fine adjustment software for slab track based on mobile terminal	Qiuyi Li, Luyao Li
	EA116	Overview and Analysis of Speech Recognition	Suo Li, Jinchi You, Xin Zhang
	EA117	GBDT-LR: A Willingness Data Analysis and Prediction Model Based on Machine Learning	Hui Xu
	EA118	Research on the Nash Game based Shared Control and its Critical Testing Scenario Generation Method	Yufei Zhang, Jiliang Lv, Bohua Sun, Yaxin Li, Hongyu Liang, Qiang Liu
	EA121	Research on Natural Language Recognition based on Grey Correlation Degree and TF-IDF Algorithm	Liu Yang, Yuliang Cai, Shaoxin Sun, Na Meng, Junyi Wang, Xiaoxian Li
Oral Session A5	EA122	Efficient Calculation of Normal Vector and Multi-axis Machining of Mesh Surfaces	Hao Wen, Dong Huang, Libo Wan
	EA123	Research on the virtual camera models based perception methods of key scenario elements for automated vehicles	Xinlun Leng, Bohua Sun, Wenxiao Ma, Qiren Shen, Yaxin Li, Qiang Liu
	EA125	Research on Global Path Planning based on Improved A* Algorithm	Chen Xia, Liu Meijun, Luo Peng, Wang Yaxi, Li Jie, Zhu Lan
	EA126	Research on intelligent recognition method for self-blast state of glass insulator based on mixed data augmentation	Ding Lijian, Peng Siyao

	EA130	Multi kernel SVM evaluation of UAV air ground combat effectiveness based on AFSA	Xusheng Gan, Yuanzhi Wang, Yarong Wu, Lei Yu
	EA131	Research on Conflict Detection in Terminal Area based on Monte Carlo Method	Zhiyong Hu, Xusheng Gan, Yarong Wu, Fei Liu
	EA133	Rough Set Neural Network Evaluation Method for UAV Reconnaissance Effectiveness	Wang Minghua, Zhang Yingzhuo, Zhang Longgang, Gan Xusheng
	EA134	Mecanum Wheel Intelligent Vehicle Racing Research based on CH32V103R8T6	Renhao Liu, Changsheng Jiang, Weiwei Zhu, Xiuping Wang
	EA135	A Comprehensive Survey on Visual Question Answering Debias	Zaiwei Lu
	EA136	Research on Building Energy Consumption Prediction based on BP Neural Network	Kang Dai, Feng Ji, Liangliang Bai, He Li
	EA137	Research on the Classification Method of Chinese Pinyin based on Automata	Yuanru Wang, Yahui Zhao, Rongyi Cui
	EA139	A comparative research of different granularities in Korean text classification	Chun Liu, Yahui Zhao, Xu Cui, Yitong Zhao
	EA140	Supply Chain Problem Solving for Manufacturing Companies based on Recursive Models, Objective Programming, and Backward Decision Algorithms	Zhongbin Zhang, Zhiren Gong, Yujie Shao
	EA142	Design and Implementation of Online Calibration Platform for Flight Test Parameters	Li Ludan, Zhang Yuqin, Jiang Hongna
	EA143	Design of Efficient Sharing Software for Civil Aircraft Key Test Parameters Data	Yonglin Guo, Guoxin Li, Guowang Zhang
	EA145	A software intelligence level evaluation method based on analytic hierarchy process and principal component analysis	Shen Xiaomei, Yan Ran, Ding Jianyang, Han Xinyu, Tang Longli
Oral Session B1	EA150	AMRM: Machine Learning Based Intelligent Recommendation of Preference of Music	Weixi Zhou, Min Fu
	EA151	Research on Global Optimal Cluster Structure Prediction based on Intelligent Algorithm	Huo Yuxin, Qin Xinhao, Kan Yuao
	EA154	Prediction of water level in urban waterlogging area based on deep learning approach	Xiefei Zhi, Biyao Cui, Yan Ji, Shoupeng Zhu, Zhiqiang Ma, Xiaowen Zhang

EA155	Research on security decentralized training model based on blockchain and deep neural network	Cui Chao, Xiao Yong, Lu Yuxin, Wu Shaocheng, Chen Xiaowei
EA158	Fraud Prediction of Credit Card Customers Based on Xgboost Model and Multi-Layer Perception Model	Zhu Xueping, Li Qingnian, Huang Ying, Huang Lei, Deng Pengying
EA160	Research on the status and development trend of the data center from the perspective of energy and power	Wei Tang, Wenjie Lu, Qingkun Tan, Jie Ma, Zhilin Liu
EA163	Modelling and simulation on a hydraulic driven bellow mechanism of a flexible robotic arm for intelligent irrigation	Li Yang, Yuanyuan Zhang, Quanyue Yang
EA165	The design and realization of a new type of instrument with Internet Protocol towards process industry	Fangjian Li, Yanling Zhao
EA168	OPC UA Server Development Technology Based on Domestic Industrial Control Configuration Software	Yongkang Hu, Yanling Zhao, Linkun Wang, Zhen Wang
EA170	Research on performance test method for the next generation firewall	Zhijia Wang, Haohao Song
EA172	Research of Error Control Coding and Decoding	Liwei Huang, Yulin Chen, Hui Huang
EA173	Research on UAVs Collision Avoidance with Multiple Dynamic Obstacles	Wenjian Ouyang, Xunsheng Gan, Liang Tong
EA177	Research on Detection Method of Daily Staff Work Management Violation based on Convolutional Neural Network and SSD Algorithm	Junjie Tao, Weichao Miao
EA180	Research on Association Rules Data Mining Based on Improved K-means Algorithm	Huang Jilong
EA181	Research on Edge Network Security Technology Based on DHR	Muyi Tang
EA186	Analysis of Collision Safety of Intelligent Vehicles in Different Sitting Positions	Li Mengqi, Zhu Haitao, Yang Jialin

Oral Session B2	EA188	Research on the Intelligent Obstacle Avoidance and Path Planning Strategy of UAV based on Multi-Sensor Fusion	Faying Li, Juan Xiao, Wenyi Huang, Sijie Cai
	EA190	Optimized Gaussian filter motion image background processing	Jinmin Zhang, Zhiyuan Zhao
	EA192	Calculation of electric field in rectangular region of porous media based on programming	Zipeng Zha, Binghui Wang
	EA193	Research on Methods of Improving Robustness of Deep Learning Algorithms in Autonomous Driving	Juan Xiao, Haojian Long, Renfa Li, Faying Li
	EA195	Research on Tumor Image Segmentation in Medical Imaging based on Extremum Adaptive Median Filtering	Jianyu Hou, Lei Wang, Weibin Mu, Guohua Li, Yurong Sun, Zhongyuan Li, Dandan Liu, Yu Sun, Gang Li, Datong Chen
	EA197	A Gridless Indoor Electric Equipment Localization Algorithm for Power Internet of Things	Chang Liu, Yicong Wang, Liang Zhou, Chang Liu, Jiangpei Xu, Feng Long
	EA199	Design and implementation of intelligent marking system based on deep learning algorithm	Yanlin Yin, Rui Han, Yingjie Song, Shiguang Sun
	EA201	Research on Coordinated Control Strategy of Modular Multilevel Converter System	Xue Chen, Qi Tang, Yifu Lin, Jiyu Li
	EA202	A Convenient and Reliable Multi-Class Classification Model based on Explainable Artificial Intelligence for Alzheimer's Disease	Xiaoqing Xu, Xiangyuan Yan
	EA204	Research on the Application of Computer Artificial Intelligence Technology in the Response Mechanism of Emergency Logistics System	Weiwei Zhang
	EA205	Research on Reliability of Autonomous Emergency Braking System based on Prescan	Li Zhuo
	EA206	Rolling Bearing Fault Diagnosis based on Deep Belief Network	Pengjuan Liu, Jindou Ma
EA208	The Development and Application of Artificial Intelligence Chips	Yuqi Wang, Lingyun Zhang, Wenjie Zhang	

	EA211	Research on Music Feature Recognition System under Computer Big Data	Liang Liang
	EA213	Fault Location Method for Distribution Internet of Things Using Particle Swarm Optimization	Chao Jiang, Chengliang Wang
	EA214	Exploration Methods in Reinforcement Learning	Bingjie Shen
Oral Session B3	EA215	Research on Seismic Isolation of Capacitor Bank Tower with Multi-Column Posts	Yongfeng Cheng, Sen Lin, Zhicheng Lu, Yuhan Sun
	EA218	Research on Innovative Design of Traditional Clothing Handicraft under Computer Big Data Technology	Qi Guo, Miao Yu
	EA220	Design and Prospect of Ocean Wave Beacon Light Based on Intelligent Water Hammer Pump	Xiao Junxiang, Pan Ding
	EA222	An Adaptive Classification and Enhancement Method for Different Genetic Types of Low-light Images	Shilong Yang, Jizhen Li, Zhe Shen, Pengyu Zhong
	EA225	Storage Optimization Model of Undersea Data Center Based on Convective Heat Transfer	Xinchun Yu, Longfei Zhang, Jiale Qiu
	EA226	Side Channel Attack on SM4 Algorithm with Deep Learning-Based Analysis	Xin Jin, Junhao Feng, Boyang Huang
	EA228	Transient Stability Assessment of Power System with PMSG Involved	Kaiqin Peng, Anqi He
	EA229	Study on Sleep Staging based on Optical Fiber Mattress	Tianyi Ma, Yilun Cai, Tao Zhao, Zhengying Li
	EA231	Data Vertical Decoupling Digital Twin Aggregation Technology in the Energy Efficiency Internet of Things in Small and Micro Parks	Jiting Gu
	EA234	Visual Inspection for Manipulator Control in the Dynamic Charging System of Electric Vehicle	Zifan Meng, Chengcai Zhang, Zhaopeng Li
	EA235	Research on the Calculation Method of the True Value of Target Radial Velocity	Heng Liu, Dong Wang, Jianzhong Li, Yan Song, Lu Wei
	EA238	Simulation Analysis and Intelligent Computing about the Influence of Shipborne Radar Antenna Structure on Electric Axis	Zhang Wei, Wu Cen, Ding Xin

	EA239	Multi Objective Programming Model Solved by Particle Swarm Optimization Algorithm	Qingcheng Xu
	EA244	Computer Assisted Design of Intelligent Sleep Monitoring System Using Raspberry Pi and Cloud Platform	Yanlin Li, Run Wang, Yizhuo Hu, Haoxiang Liang
	EA245	Route Selection Policies in 5G Multiple-hop IAB Networks at mmWave Band	Shiyong Yan, Xiaodong Xu, Shujun Han
	EA246	Development of Substation Foundation Settlement Monitoring System based on BeiDou Positioning Technology and 5G Transmission	Xiaoyin Wu
Oral Session B4	EA249	Control System Design of High Efficiency Welding Robot based on AT89C52 Single Chip Microcomputer	Xiaoyin Wu
	EA253	Direct Acquisition Method of Segmented Configurable BDS P-code Signal Based on FFT Parallel One-dimensional Search	Ren Qi, Yin Chengxiang, Yu Qian, Peng Yan, Kong Lingjia, Yan Shengxu, Jin Gen
	EA254	Hummingbird E203 RISC-V processor core-based traffic flow detection system design	Yifan Song, Bowen Jia, Boyuan Yang, Pei Zhang
	EA255	Design and Analysis of Giant Magnetostrictive Actuator	Changbao Chu, Renjie Zhu, Xingjian Jia, Xingwang Zhang
	EA257	Research on seawater source heat pump heating system based on wind magnetic eddy current	Yue Chen
	EA259	A new three-hull unmanned ship is designed by integrating lateral power and ship	Ziting Wang
	EA260	Research on ocean current power generation system for towed survival craft	Hanmin Wang
	EA266	Research and Design of a Small Hybrid Ocean Energy Unmanned Vehicle	Mengyao Han
	EA267	Research on Refrigeration Noise Reduction Device based on Piezoelectric Effect and Semiconductor Power Generation	Mengyao Han

	EA270	A power supply device for a state monitoring system of marine engine power components	Yuchen Yang, Ao Li, Zhilong Li, Lei Hu
	EA271	Database Table Modeling Design based on Snowflake Model	Yin Zhongjie
	EA272	Application Research of Computer Neural Network in Face Recognition Lending System of Library	Changjiang Huang, Liuchun Zhan
	EA276	Research on Multimodal Summarization by Integrating Visual and Text Modal Information	Qiduo Lu, Chenhao Zhu, Xia Ye
	EA278	Design of static human posture recognition algorithm based on CNN	Hairong Wang, Lei Sun
	EA279	Intelligent water surface waste disposal device based on image recognition technology	Yuxuan Xu, Zhuoling Li
	EA280	Target Recognition Algorithm Based on YOLOv5 Network and Depth Camera for 2D Interference Elimination	Xu Liu, Yujiang Chen, Bingjin Liu
Oral Session B5	EA281	Controllable temperature residual heat recovery disinfection cabinet based on PID algorithm in C language environment	Zhou Zhou, Liu Xu
	EA285	Design and Development of Modular Detachable Educational Robot Based on Scratch	Zhao Zizi, Zhang Dekang, Ma Jing, Ye Xiaoping, Zhang Wenhui, Jiang Zhongyang, Shi Jingshan
	EA286	Data analysis application platform at the end of the transformer region based on the edge computing technology of the power Internet of things	Lv Xiangyuan, Jin Haigang, Xie Zhengang, Chen Anqi, Liu Jiayi, Cheng Yushu
	EA287	EEG Signal Classification with Optimized LSTM: A Meta-Heuristic Approach	Yuzhe Shang, Shanli Long
	EA290	Research on stereo matching algorithm based on AANet neural network	Ke Zhang, Jiawen Wang, Yong Yin
	EA293	Simulation Study on the Influence of HEM's Parameters on the Characteristics of Oil Paper Insulation Spectrum	Qi Tang, Xiangman Ye, Longwei Wu, Xue Chen
	EA294	Prediction of Lithium-ion Battery Remaining Useful Life Based on Long Short Term Memory	Wenxia Xu, Congcong Yan

	EA296	Method and Strategy for Increasing Wearability of Electrocardiogram	Tianyu Ma
	EA300	Defect Edge Detection on CT Images of the Grain in Solid Rocket Motor	Junjie Dai, Tianpeng Li, Zhaolong Xuan, Liqing Hu
	EA301	Fast Identification of Laser Array Damage Points Based on Wavelet Transform	Yirui Huang, Fei Wang, Chengshuang Zhang, Yanling Bao, Rui Zhou, Shuwei Zhang, Mengjie Wang, Zhongmin Su
	EA302	Research on Embedded Software based on adaptive filtering algorithm	Jing Cai
	EA303	Research and analysis of winding short circuit fault of rectilinear phase shift transformer rectifier system	Zhou Changduo, Zhao Jinghong, Zhang Shuheng
	EA309	Research on the Development of Power Engineering Automation Technology Based on Ubiquitous Internet of Things	Ren Xiaojun
	EA311	Chip Welding Short Circuit Defect Detection Based on Active Learning	Zikang Ding, Yuxiang Wu, Xiankui Xiong, Xuanpeng Zhu
	EA313	Research on the improvement of English cognitive linguistics under computer artificial intelligence technology	Xing Li
	EA314	Application Research of Computer Big Data in Network Security Technology	Ziyuan Fang
Oral Session C1	EA318	Exoskeleton Gait Learning and Modulation based on Adaptive Oscillator	Gangyi Cao, Zhaoyang Jin, Yuhan Wang
	EA319	Research on the application of computer artificial intelligence technology in feedback teaching of English	Xing Li
	EA321	A study on the subdivision model of the new middle class based on factor and cluster analysis	Wan Tiantian, Zhang Fan, Guo Yaxin
	EA323	Bandwidth research based on OFDM-IM system	Shengbo Xu

	EA325	Research on Computer Aided Art Design Curriculum with Big Data Technology	Tian Yao
	EA326	Research on the Application of Computer Virtual Reality Technology in Museum Cultural Relics Exhibition Hall	Shan Wu
	EA330	Research on the Application of Computer Music Production Technology in Digital Movie	Wen Lei
	EA333	Research on the Application of Satellite Image Shooting Technology under the BeiDou Navigation Satellite System in the Detection of Urban Environment	Qiumin Zhang
	EA334	Intelligent research of intelligent building with computer big data technology	Fang Fang, Wang Ding
	EA335	Research on the Application of Computer Virtual Reality Technology in Oral English Courses	Shi Yueheng
	EA340	A MPW splicing algorithm based on machine learning	Tianyi Ma, Ning Xu, Luo Qiang, Haiyun Li
	EA343	Research on the reform system of interactive teaching curriculum based on computer big data	Zuo Ting
	EA346	Thermal-stress Coupling Finite Element Analysis of Heat Transmission Pipeline based on ANSYS	Wen Zhi, Zhang Wenhui, Ma Jing, Liu Chenya, Ye Yangfang, Zhou Shuhua
	EA348	Research on the application of computer big data technology in English cognitive linguistics	Xing Li
	EA349	Static Analysis of Axisymmetric Structure of High Speed Wheel Based on ANSYS	Ye Yangfang, Ma Jing, Zhang Wenhui, Zhang Dekang, Zhou Shuhua, You Zhangping
	EA350	Thermal-structure Coupling Finite Element Analysis of Heat Dissipation Pipeline based on ANSYS	Zhang Wenhui, Ma Jing, You Zhangping, Gao Zihao, Ye Xiaoping, Zhou Shuhua
Oral Session	EA352	Research on the application of computer big data technology in the auxiliary system for teaching after-school exercises	Xing Li
C2	EA353	Study of Translation Equivalence Pair Extraction in Chinese and English Comparable Corpus	Lichang Peng

EA356	Research on Generative Adversarial Networks and Their Applications in Image Generation	Jiayi Zhou
EA358	Customs import and export commodity specification declaration review model that integrating VAE and BERT	Peng Zhang, Chao Che, Qiang Zhang
EA359	Application of Artificial Intelligence and Virtual Reality Technology in Online Course Education	Xuan Luo
EA360	Research on structured light vision seam tracking system based on RCNN	Yang Liu, Tianqi Wang
EA362	Securities market forecasting system based on web data mining and XML technology	Xinyu Wang, Wenbin Xing
EA365	Development of automatic inspection and testing system for commercial vehicle assembly line	Xiaoying Yu, Guangfeng Li
EA366	Design of Lightweight and Miniaturized Motor Control System Based on Anti-Integral Saturation	Xiaoqin Pu, Meng Xu
EA372	An Ant Colony Optimization Parameter Tuning Method Based on Uniform Design for Path Planning of Mobile Robots	Xin Yao, Xiaojun Shi, Xiaodong Zhang, Xuesong Mei
EA376	AI-based tank truck cleaning robot	Minxi Lu
EA379	Research on the Application of Computer Big Data Technology in Risk Mathematical Quantitative Forecast Modeling	Xueting Wang
EA382	Functional Safety Design of Lidar System for Autonomous Vehicles	Hao An, Kai Zhang
EA386	Optimization Model of Emission Reduction Benefits Based on Integrated Development of Electric Vehicle and Power grid	Jia Zhao, Haifeng Fang, Shu Wang, Peng Liu, Peng Ge
EA387	An electronic oil purification device based on BCA balanced charge technology	Bikai Yang, Xinrui Zhao, Fangyang Xu, Chuang He, Peifeng Du
EA388	Design of Laboratory Intelligent fume hood based on truncated continuous vortex ring wind curtain technology	Yufei Lu, Haoyu Tian, Yan Liu

Oral Session C3	EA389	A Financial Forecast Model based on LSTM Algorithm and Goal Planning	Liangli Shi, Shuang Tan, Zhidong Wang, Qiuyue Li
	EA393	Comprehensive analysis and classification of natural language questions based on Bi-LSTM-CRF	Jiajun Li, Huazhu Song, Jun Li, Kaituo Mi
	EA396	Analysis of Saihanba Ecological Environment based on KCCA and TOPSIS Algorithms	Jiawei Chen, Huayu Liu, Zhiyu Zhang
	EA398	Design of epidemic detection system in railway station based on FPGA	Qianyi Zhou, Jiming Sa, Haoran Zhu, Kemi Zhou
	EA404	Quantitative trading model and price forecasting system based on BiGRU neural network	Haoran Zhu, Ankang Yang, Xinyu Zhang
	EA405	Research on carbon trading algorithm model for F-LNG-E heavy truck	Chuantao Li, Rong He, Yi Shi, Zihan Yu, Jixian Dong, Bing Liu
	EA408	Research on the Application of Computer Virtual Reality Technology in the Rehabilitation of Special Children	Jufen Yu, Yahui Wang
	EA413	Certificateless authentication application of the Modbus protocol in industrial control systems	Yi Wang, Long Wang, Ningning Song, Jianeng Li
	EA414	Optimal Control of Unmanned Surface Vehicle Trajectory Tracking Based on Reinforcement Learning	Zeqiao Li
	EA416	Design and Implementation of Family Education Intelligent Management System	Xiaoqing Bi, Shuai Wang
	EA418	Anime Characters Generation with Generative Adversarial Networks	Shengrui Ruan
	EA420	Local linear embedding algorithms based on probability distributions	Liu Yuanhong, Zhao Wenbo, Zhang Yansheng, Li Xi, Yuan Tianyi
	EA421	Data Enhancement for Generating Counter Network Indicator Chart Based on Auxiliary Classification	Zou Yanyan, Meng Qingzhu, Li Xin, Yuan Tianyi
	EA424	Research on the Application of Intelligent Wearable Devices in the Diagnosis of Internet of Things Platform Based on Computer Artificial Intelligence	Xuenan Wang

	EA425	Vehicle Target Detection from the Perspective of UAV Aerial Photography Based on Rotating Box	Liu Haixiang, Zeng Liansun
	EA427	Short-term load forecasting of power system based on genetic algorithm improved BP neural network algorithm	Jianjun Xu, Lichao Pan, Yi Sun, Tianyi Yuan
Oral Session C4	EA428	Design and implementation of school-based curriculum resource System based on micro-service architecture	Jianmin Zhao, Jiaxin Cui, Tianyi Yuan
	EA429	Research on the design of gait recognition algorithm in multi-view scene based on deep learning	Jierui Peng
	EA430	Application of big data mining technology to assist safety supervision: A case study of a megacity in China	Aizhi Wu, Hui Zhang, Yihan Zhao, Qifei Wang
	EA431	Short-term power load forecasting based on MA-LSTM	Liangkun Wei, Jianguo Li
	EA433	Surface Defect Detection of Aluminum Material based on Deep Learning	Tinghui Li, Lina Xing, Honghui Fan, Hongjin Zhu
	EA436	Localization Method Based on Multi-QR Codes for Mobile Robots	Zhijun Zheng, Yongxing Yu, Rongjun Chen, Hongxing Huang, Huimin Zhao, Xu Lu
	EA440	Design of tipping paper automatic deviation correction system based on machine vision	Haihua Lu, Sixiao Chen, Shunkai Sun, Weilin Cao, Liang Chen, Cheng Chen
	EA441	The Fault Diagnosis System for Constant Wind Speed Control Device based on Expert System	Haihua Lu, Weilin Cao, Zhuofan Huang, Sixiao Chen, Miaojie Shen, Liang Chen, Shunkai Sun
	EA442	Research on Simulation of Automobile Brand Power Score Based on Spark Framework	Jing Yang, Fan Zhang, Ziyi Chen
	EA443	Research on the Application of Navigation Safety Technology Based on Computer Beidou Communication and Navigation Equipment System	Rongjun Zhang
	EA444	Target vulnerability assessment software design	Peng Jun

	EA445	Research on Semantic Role Labeling based on Dependency Parsing	Jiahao Wang, Ning Ma, Fucheng Wan
	EA450	Performance Analysis and Improved of Using OLSR in Low-orbit Satellite Communication System	Zekun Yan, Shenghua Zhai, Wei Wang
	EA451	Control System Design for a Polishing Machine on Sapphire Flat	Wang Dan, Wang Pan, Chen Xinwei
	EA452	Study on the factors influencing warpage of FPC for LCM	Shijing Zhan, Zifeng Pan, Gangsheng Wang, Lifa Yang, Yalin Zhang, Qingze Jiao
	EA454	Research on Optimal Design of Ship Power System Based on PID Control	Congwen Qiu
Oral Session C5	EA455	Research on automatic cascade dispatching system of whole ship cold and heat energy for LNG-IHES	Shaomin Lei, Jufu Zhang, Xingdong Shao, Zhaoyang Xu, Chuantao Li, Zunhua Zhang
	EA458	Hyperspectral image classification based on Hybrid 2D-3D CNN	Yifan Wang
	EA461	Implementation of Voiceprint Recognition Using SVM and SimpleVGGNet Method based on MFCC	Chengwei Lu, Lin Fu, Changxiao Liu, Yazhuo Zhao
	EA463	Spam Detection with Integrated Review Text and Reviewer Behavior	Yuting Mei
	EA464	Image Style Transfer Based on VGG Neural Network Model	Yilin Tao
	EA466	Research and Application of Improved Pure Pursuit Algorithm in Low-Speed Driverless Vehicle System	Xiaowei Chen, Po Li, Qingyu Zhang, Zhigang Jin
	EA467	Study of wind turbine participation in frequency transient support	Zhigang Zhan, Linlin Wu, Siqing Sheng, Xiao Wang, Xiaoyang Deng, Dawei Sun
	EA468	Prediction algorithm of improved neural network psychological disorder information system based on particle swarm optimization	Yiwen Shi, Zihan Wang, Yifan Zhao
	EA470	Impact of Demand Dispatch on Distribution System Reliability	Wang Yingying, Wang Zhe, Wang Xiaoyu, Liu Sheng

	EA472	Research on Segmentation Method of Civil Construction Image based on Unet Algorithm Model	Shijie Guo
	EA473	Agricultural Machinery Path Tracking Algorithm Based on Computer Data Mining	Zexin Fang
	EA476	Building instance segmentation in high-resolution remote sensing images based on multi-task learning	Yongyang She
	EA479	Ice-induced vibration and fatigue analysis on monopile foundation of offshore wind turbine	Shuaifei Wang, Haiyang Zhang, Mingmin Liu, Dayong Zhang, Guojun Wang
	EA480	Research on Different Convolutional Neural Networks in the Classification Scenes of Yoga Poses based on OpenPose Extraction	Rao Yingdong
Poster Session 1	EA006	Temperature Simulation for Prismatic Power Lithium-ion Battery based on Electrochemical-Thermal Coupling Model	Biao Jin, Tong Zhang, Qiang Fei
	EA012	Smart Contract Vulnerability Detection Method based on Bi-LSTM Neural Network	Xuesen Zhang, Jianhua Li, Xiaoqiang Wang
	EA023	Research on the Design of Dual-screen Display Video Player based on Android	Xinhao Zhang, Chao Feng, Yongyan Yu, Jiameng Gong, Yunan Jia, Qian Zhou
	EA034	Research on Manufacturing Data Space Storage based on Data Space	Jianjun Wang
	EA043	Rooftop PV Power Prediction Model based on Data Reconstruction and CEEMDAN	Zhenzhen Wang, Ruiqing Fan, Lingxu Guo, Yi Hao, Jia'an Zhang, Fengxian Li
	EA057	Research on Computer-based Remote Haute Couture Garment Design System	Jiao Peng
	EA065	Research on Medical Text Classification based on BioBERT-GRU-Attention	Weidong Chen, Fang Fang, Pin Wang, Junling Kan, Wenhai Li, Wenjian Wu

	EA073	A Regional Automatic Voltage Control System Considering Photovoltaic Generations	Jiaqi Zhang, Hongwei Du, Dong Xia, Tao Han, Yulin Zhang, Guodong Jiang
	EA091	Recommendation Pattern of Electricity Sales Package based on Improved Clustering and Spark Framework	Rongqiang Feng, Jing Hu, Guodong Jiang, Chenxi Huang, Wei Tang, Lei Zhao, Kun Zhang, Xiaoming Huang, Weiting Zhu
	EA100	Modular and Redundant Design of Rudder Controller	Zhiguang Huang, Rui Sun, Guanghan Shi
Poster Session 2	EA114	Improved Scheme of Practical Byzantine Fault Tolerance Algorithm based on Voting Mechanism	Zhongxian Chen, Minsheng Tan, Peiliang Lei
	EA129	Research on Elastic Cloud Resource Management Strategies based on Kubernetes	Qiu Yunyun, Pingping Chen, Dingying Tan
	EA141	Pornographic and Gambling Domain Recognition Method based on Long Distance Sparse Multi-Head Self-Attention Vision-and-Language Model	Luheng Wang, Zhaoxin Zhang, Feng Ye
	EA149	Prediction of Hot Spot Toll Stations based on Traffic Flow Model	Chen Jun
	EA153	Valley Polarizer and Detector upon a Graphene-based Junction	Chuanxin Li
	EA161	TransMUNet: Using Enhanced Attention Mechanism for Whole Heart Segmentation	Xiaoniu Yang, Xiaolin Tian
	EA175	Research on Neural Network Mathematical Model for Intelligent Manufacturing System Evaluation	Yuan Zhang
	EA183	Application Research of Edge Computing in Condition Monitoring of Construction Equipment	Qingzi Liu
	EA196	Distributed PV Data Backfill System with Cloud-end Collaboration	Lin Xu, Jie Cai
	EA210	Method of Medical Image Segmentation based on Chan-Vese Model	He Ruiying
Poster	EA217	Analysis of Network Security Protection of Smart Energy Meter	Baofeng Li, Feng Zhai, Yilun Fu, Bin Xu

Session 3	EA223	Formulation of Ordering and Transshipment Scheme Based on Genetic Algorithm	Jingyu Jia, Honglin Fang, Xiangdong Liu
	EA232	Positioning Method of Partial Discharge of Enclosed Electrical Apparatus	Haibin Tan, Yuehuan Sun, Shujun Zhou, Sheng Bao, Xuekai Zhang, Li Zhang
	EA242	Study on end-to-end staff deletion based on deep convolutional neural network	Yingdong Ru
	EA252	Performance simulation analysis of transport layer protocol for satellite network	Zhang Jiapei, Li Zhou, Suo Baozhong, Wang Xiao, Guo Yiran
	EA261	Research on high energy and low consumption device of offshore wind power pile based on water hammer effect	Yibin Shao
	EA275	DRL-Based Quantitative Algorithms for Gold and Bitcoin Portfolio Decisions	Xinkai Yuan, Hanqi Jiang, Liying Huang
	EA291	Research on SDN Load Balancing of Ant Colony Optimization Algorithm based on Computer Big Data Technology	Wei Jun, Su Xiaowei
	EA298	Graphic and Text Emotional Analysis based on Deep Fusion Network	Yujie Zhang, Lin Zhang
	EA299	Ergonomics and design assessment based on passive hand exoskeleton	Jiayi Cai, Jialiang Cai
Poster Session 4	EA304	Power Flow Optimization Method of DC Distribution Network Based on Floyd-Warshall Algorithm	Leilei Li, Lian Suo, Yu Ren, Ge Bai
	EA315	Application Research in the Practice Teaching of Accounting Courses under the Computer Internet Technology	Shexia Guo
	EA317	Decision Tree Algorithm in Machine Learning	Yifan Lu, Tianle Ye, Jiali Zheng
	EA332	Scheme of Automated Testing Fuel Control Valve Test System	Guangming Kong, Zhiguo Liu, Xudong Li, Yuan Ma

	EA337	Design of bilingual education and learning platform based on applet	Wenjing Feng, Huimin Zhang, Chen Luo
	EA338	A temperature query device based on speech recognition	Yuxin Wen
	EA355	Design of three-electric system for a rear-drive electric Baja racing car	Hanshu Deng
	EA361	Tire pressure monitoring system based on C8051F005	Chunling Sun, Fuhai Liu
	EA375	Improved core loss mathematical model under intermediate frequency sinusoidal excitation	Yanxia Wang, Jiayi Xu, Yuting Zhang
	EA378	Heating-Pipes-Scale Cleaning Device Based on Earthworm Biosimulation Machine	Wu Yifan, Zhao Yaqi, Lu Hong, Li Zhangjie
Poster Session 5	EA381	Research on the Application of Computer Big Data Technology in the Modeling of Architectural Interior Design Renderings	Duwen Shen
	EA394	Distributed Optimization of Subway Stations based on Anylogic and Swarm Intelligence Optimization Algorithms	Mingyuan Li, Luofei Zhang, Yingshan Wang
	EA410	Research on auto focusing algorithm of microscopic imaging system	Meini Lv, Qihui Yang, Wenjing Ma, Zeqiong Huang
	EA417	A Yagi-Uda array antenna fed by SIW TE30 mode	Lubing Sun, Xun Wang, Shuhua Zhou, Xiaoxia Wang, Yanhong Chen, Daocheng Du
	EA434	Research on Intelligent Learning Graphics Diagnosis Technology Based on Computer Deep Learning Algorithm	Linhao Ye, Hongbin Lin, Yixiang Chen
	EA437	Design and application of OTIS shape detection and calibration device for double-channel cigarettes based on ZJ116 winding machine	Ming Chen, Miaojie Shen, Zida Chen, Haihua Lu, Shunkai Sun, Di Xu, Min Chen, Jin Jin, Sixiao Chen, Zanzan Chen
	EA456	Research on an intelligent monitoring system for hydrogen state based on virtual simulation	Xueliang Yang

	EA460	Improved cross-entropy research based on JS divergence: Iris flower data as an example	Liting He, Haoran Yuan
	EA475	Computer Technology in Intelligent Detection of Agricultural Machinery Equipment	Zexin Fang
	EA477	Research and application of urban real-time traffic flow prediction based on STARIMA	Wenchang Duan, Zhiqiang Gong