

CONFERENCE PROGRAM

**2022 IEEE 2nd International Conference on Electronic Technology,
Communication and Information (ICETCI 2022)**

May 27-29, 2022 Changchun, China

www.icetci.org



Program (GMT+8:00 Beijing Time)

May 27, 2022	
09:00 – 18:00	Online Registration
May 28-29, 2022 Poster Presentation Session	
08:00 – 18:00	http://icetci.org/Posters.html
Poster Session 1	ET006, ET010, ET016, ET019, ET030, ET040, ET044, ET050, ET065, ET081, ET090, ET096, ET097, ET102, ET107
Poster Session 2	ET123, ET150, ET161, ET170, ET186, ET202, ET212, ET237, ET257, ET285, ET297, ET306, ET341, ET345, ET356
Poster Session 3	ET372, ET401, ET433, ET455, ET475, ET493, ET510, ET529, ET546, ET552, ET563, ET577, ET580, ET592, ET601
May 28-29, 2022 Oral Presentation Session(Tencent Meeting)	
May 28, 08:00 – 12:00	Oral Session 1A, 1B, 1C, 1D
May 28, 14:00 – 17:00	Oral Session 2A, 2B, 2C, 2D
May 29, 08:00 – 12:00	Oral Session 3A, 3B, 3C, 3D
May 29, 14:00 – 18:00	Oral Session 4A, 4B, 4C, 4D
Session 1A Meeting ID: 236-708-389	https://meeting.tencent.com/dm/VQ83pfzGDYfQ ET001, ET002, ET004, ET007, ET009, ET012, ET013, ET015 ET018, ET021, ET022, ET023, ET024, ET025, ET026, ET027
Session 1B Meeting ID: 541-665-341	https://meeting.tencent.com/dm/ugeDc0LTCUcs ET028, ET029, ET031, ET032, ET033, ET034, ET035, ET036 ET037, ET042, ET043, ET045, ET046, ET054, ET055, ET058
Session 1C Meeting ID: 226-153-083	https://meeting.tencent.com/dm/djSjs1BiS6bF ET059, ET061, ET062, ET063, ET064, ET066, ET069, ET070 ET071, ET072, ET073, ET074, ET075, ET076, ET077, ET078
Session 1D Meeting ID: 279-549-262	https://meeting.tencent.com/dm/NVg3FiCVNjaW ET079, ET082, ET083, ET084, ET085, ET086, ET091, ET092 ET098, ET100, ET101, ET105, ET108, ET109, ET110, ET111

<p>Session 2A Meeting ID: 737-878-862</p>	<p>https://meeting.tencent.com/dm/Oh9vBHZ34DfV ET112, ET115, ET117, ET118, ET121, ET122, ET125, ET128 ET129, ET131, ET132, ET134, ET136, ET137, ET139, ET140</p>
<p>Session 2B Meeting ID: 364-515-803</p>	<p>https://meeting.tencent.com/dm/Jak8rI7Qqe3P ET141, ET143, ET144, ET145, ET146, ET151, ET152, ET153 ET154, ET155, ET158, ET159, ET162, ET163, ET165, ET166</p>
<p>Session 2C Meeting ID: 409-241-280</p>	<p>https://meeting.tencent.com/dm/Xd72x8Illiuz ET167, ET168, ET171, ET172, ET173, ET175, ET176, ET178 ET180, ET183, ET185, ET187, ET191, ET193, ET198, ET199</p>
<p>Session 2D Meeting ID: 623-257-985</p>	<p>https://meeting.tencent.com/dm/c8zBIL6zDaih ET200, ET201, ET203, ET204, ET205, ET207, ET209, ET210 ET213, ET215, ET217, ET218, ET220, ET221, ET222, ET224</p>
<p>Session 3A Meeting ID: 871-294-669</p>	<p>https://meeting.tencent.com/dm/7Ji0HKUyrd9X ET225, ET226, ET229, ET234, ET239, ET242, ET243, ET244 ET250, ET251, ET254, ET255, ET258, ET260, ET263, ET269</p>
<p>Session 3B Meeting ID: 177-427-205</p>	<p>https://meeting.tencent.com/dm/H7sML8RcJgHd ET270, ET275, ET276, ET277, ET279, ET280, ET282, ET283 ET286, ET288, ET289, ET290, ET291, ET292, ET294, ET295</p>
<p>Session 3C Meeting ID: 603-838-862</p>	<p>https://meeting.tencent.com/dm/4sk7FGS352AZ ET296, ET300, ET304, ET305, ET308, ET310, ET311, ET323 ET326, ET338, ET339, ET342, ET343, ET347, ET348, ET350</p>
<p>Session 3D Meeting ID: 222-824-717</p>	<p>https://meeting.tencent.com/dm/No6LkBnK8aVI ET353, ET358, ET366, ET368, ET369, ET376, ET381, ET382 ET387, ET388, ET393, ET395, ET398, ET403, ET415, ET417</p>
<p>Session 4A Meeting ID: 333-457-627</p>	<p>https://meeting.tencent.com/dm/xOYBRcktgANO ET419, ET423, ET424, ET426, ET427, ET431, ET436, ET439 ET440, ET454, ET460, ET465, ET466, ET468, ET482, ET483</p>
<p>Session 4B Meeting ID: 435-482-961</p>	<p>https://meeting.tencent.com/dm/QMwHXNeOHpHB ET486, ET487, ET489, ET497, ET498, ET500, ET504, ET507 ET512, ET516, ET518, ET533, ET536, ET540, ET541, ET542</p>
<p>Session 4C Meeting ID: 182-346-160</p>	<p>https://meeting.tencent.com/dm/BOAfTbTYIdBQ ET544, ET545, ET550, ET551, ET554, ET557, ET558, ET560 ET562, ET565, ET566, ET568, ET569, ET570, ET573, ET575</p>
<p>Session 4D Meeting ID: 848-498-083</p>	<p>https://meeting.tencent.com/dm/66RSJcjEwqkj ET578, ET579, ET582, ET583, ET586, ET587, ET588, ET589 ET590, ET596, ET597, ET599, ET603, ET606</p>

Oral Session 1A

ET001	Quantification Method for Inertia Heterogeneity of Power System Considering Node Coupling
	<i>Rongbing Wu, Weidong Li, Zhengwen Li, Hui Zeng, Nan Zou, Zhongbo Wang</i>
ET002	Pipeline cleaning robot path planning research
	<i>Siwen Zhang, Siqi Yang, Jian Li, Erkang Li, Xunlei Chen, Qingru Yang</i>
ET004	A Fire Detection Method based on Computer Vision
	<i>Siqi Yang, Siwen Zhang, Xunlei Chen, Jian Li, Erkang Li, Weibo Chen</i>
ET007	Commonsense Generative Model for Chinese Automatic Knowledge Graph Construction
	<i>Xiaowen Shi, Jing Yang, Liang He</i>
ET009	Internet of Things Intrusion Detection System based on Transfer Learning
	<i>Wang Yutao, Li Zhongtian, Bu Yi, Li Jie, Xu Fangzheng, Bao Yu</i>
ET012	Research on Dyslexia Detection based on Eye Tracking
	<i>Yu Zhang, Wangfang Zhou</i>
ET013	Research on optimization of multi-objective equipment emergency dispatch model based on bat algorithm
	<i>Kai Li, Tielin Liu, Jian Gao, Liang Zhang, Mingyu Li, Shuaibo Cui</i>
ET015	Application of Model Predictive Control to Trajectory Tracking of Mecanum Wheels
	<i>Wenkang Ji, Yuhao Luo, Yueming Chen, Qi Yan, Yuxin Liu, Xiai Chen</i>
ET018	Real-Time Desorption Flow Prediction of Automobile Carbon Canister for Virtual Calibration
	<i>Jian Ling, Qiang Chen, Dongwei Liu, Hailang Sang, Tao Wang, Feng Shi</i>
ET021	Model and Unbalance Analysis of Double-Circuit Transmission Lines on the Same Tower
	<i>Peng Zhengwei, Zhang Wei, Chen Pengyu, Gong Xinlong, Wang Long, Liu Fenghua</i>
ET022	Intelligent mobile robot using MobileNet on the limited-resource embedded platform
	<i>Yinghao Wang, Guanjian Chen, Chentian Jiang, Quchen Li, Xiuping Wang</i>

ET023	Design and Control of Photovoltaic Curtain Wall Based on Compound Parabolic Concentrator
	<i>Zheming Zhuang, Yuntao Guan, Ze Zhang, Haolin Zhang, Jinfu Li, Jiansheng Dai</i>
ET024	Accuracy and Latency Tradeoffs for WiFi and BLE in an Indoor Localization System
	<i>Marwa Zamzam, Youssef Ashraf, Tallal Elshabrawy and Mohamed Ashour</i>
ET025	An Improved Region Growing Algorithm for River Extraction from Remote Sensing Images
	<i>Jiahui Wang, Bo Guo, Huiping Yin, Jian Zhang</i>
ET026	Calculation of the Three-Phase Current Unbalance of Multiple-circuit Cross-over Overhead Transmission Lines
	<i>Peng Zhengwei, Zhang Wei, Liu Fenghua, Gong Xinlong, Wang Long, Chen Pengyu</i>
ET027	Design of Large Dynamic Range Automatic Gain Control Circuit for Electronic Article Surveillance System
	<i>Heng Lu, Jianliang Jiang, Hengli Zhang, Yuejian Li</i>

Oral Session 1B

ET028	BERT-Based Automatic Scoring Model for Speech-Oriented Text Modality
	<i>Chaoru Zheng, Lingyi Huang, Hezhi Lin, Yangyang Guo, Lianfen Huang</i>
ET029	Projective Synchronization of Chua Chaotic System Using Single Sliding Mode Controller
	<i>Haibin Zhao, Shiyu Yan, Hong Wang, Chong Liu, Zhiguo Lu</i>
ET031	A Lightweight Secure Search Protocol for RFID Tags
	<i>Feng Xiao</i>
ET032	A Secure Privacy Model Based on Strand Space for RFID Tag's Ownership Transfer
	<i>Feng Xiao</i>
ET033	Relative positioning technology of static target based on visual-inertial fusion
	<i>Yixiang Wang, Leilei Li, Lin Liang, Yifei Yang, Zhe Zhang</i>

ET034	Predicting the Risk of Stroke Based on Imbalanced Data Set with Missing Data
	<i>Haoyu Xie, Xuwei Fan, Yidan Zhang, Yihong Zhan, Weijian Xu, Lianfen Huang</i>
ET035	Research on Processing Method of Low-frequency Time-code 1PPS Based on Kalman Filter
	<i>Zhen Qi, Xin Wang, Qiang Liu, Ping Feng</i>
ET036	A Chaos-RC4 Encryption Algorithm based on Memristive Neural Network
	<i>Yi'an Liu, Yili Liu, Shuang Liu, Guo Li, Yang Liu</i>
ET037	Thevenin Theorem and Norton's Theorem
	<i>Yijun Fan, Yunpeng Hu, Jihong Li</i>
ET042	Femto-cell Research on Network Bilateral Spectrum Allocation Algorithm
	<i>Zihao Li, Changgeng Li</i>
ET043	Application Research of Multi-antenna Technology in 5GHz Modulation System
	<i>Qiang Guo</i>
ET045	Design and research of embedded dual output composite motor based on ultra-low speed and high torque
	<i>Bowen Cui</i>
ET046	Study on Sliding Mode Control of Permanent Magnet Synchronous Motor with Improved Convergence Law
	<i>Shankun Zhang, Baochun Cui, Ning Pan, Yaoguang Han, Ningjiang Yang</i>
ET054	Numerical study on multi-operation of power cable in steel box girder
	<i>Wei Kang, Yun Cong, Xunping Yan, Zhenpeng Zhang</i>
ET055	Obstacle Identification and Positioning Method for Power Transmission Line Live Working Robot Based on Fusion of Lidar and Vision
	<i>Xuanyuan Kang, Shaosheng Fan</i>
ET058	Design and Development with Analysis of Energy Efficient University Faculty Room based on IoT
	<i>Elena Matillano, Roberto I. Canda</i>

Oral Session 1C

ET059	Improved DSVM finite set model predictive current control of PMSM
	<i>Hongliang Yan, Hulin Long, Jianan Zhang</i>
ET061	Influence of Protection Wire and Positive Feeder Arrangement of Traction Network on the Return Current in High-speed Railway
	<i>Xiaodong He, Yinghong Wen, Dan Zhang</i>
ET062	FPGA Measuring System of Hough-based Space Target Relative Pose Estimation
	<i>Gengshu Xu, Jianjun Yi, Ruitao Yan, Bo Zhou, Hailei Wu</i>
ET063	Travel Spend Error Estimation Method based on Handoff Data
	<i>Mengyu Rao, Gaosheng Lin, Weiping Chen</i>
ET064	Deep Learning in Fuzzing: A Literature Survey
	<i>Siwei Miao, Juan Wang, Chong Zhang, Ziqing Lin, Jiaxin Gong, Xiaojuan Zhang, Jun'e Li</i>
ET066	In-situ Surface Temperature Monitoring through Wafer Temperature Sensing and Heat Transfer Modeling for O₂/N₂ Plasma Process
	<i>Solbaro Kim, Hyun-woo Oh, Kwang-bo Sim</i>
ET069	Aspect Root-Oriented Latent Structures with Graph Convolutional Networks for Aspect Sentiment Classification
	<i>Han Zhou, Yihong Zhao, Ti Wang</i>
ET070	Sentiment Analysis for YouTube Educational Videos Using Machine and Deep Learning Approaches
	<i>Rawan Fahad Alhujaili, Wael M.S. Yafooz</i>
ET071	A High Accuracy and Wide Input Voltage Range Current Sense Amplifier for Bidirectional High-Side and Low-Side Current-Sensing
	<i>Ming Zhang, Xin'an Wang, Xiaofei Li, Xingyu Qi, Huanshuang Liu, Sai Wang</i>
ET072	Power grid optimal dispatching strategy considering carbon trading mechanism
	<i>Zihe Wang, Peng Ye, Shicheng Wang, Duoqiao Guan, Xuejie Wang, Zhunan Jiang</i>
ET073	Research on Multi-source Peak Shaving Scheduling and Trading Strategy of Cross-provincial Contact Lines
	<i>Peng Ye, Jingxiao Wei, Huan Wang, Duoqiao Guan, Mingli Zhang, Xiao Pan</i>

ET074	Research on Cryptography as a Service Technique Based on Commercial Cryptography
	<i>Weijia Xue, Congli Wang, Jinhua Wang</i>
ET075	A Study on Behavior of Power Conditioning System for Photovoltaic Generator Outputting Large Power
	<i>Hiroki Yamanaka, Koki Tashiro, Hirotaka Shimizu</i>
ET076	A Comprehensive Evaluation Model for the Matching Degree between Supply and Demand of the Computing Power Network Services
	<i>Li Hongjuan, Zhu Yan, Wen Jiangong, Guo Zhi</i>
ET077	A Bidirectional Wireless Power Transfer System for Spacecraft Docking Mechanism
	<i>Leran Zheng, Jiantao Zhang, Zhi Bie, De'an Wang, Chunbo Zhu</i>
ET078	An Improved Recycling Folded-Cascode Amplifier with Nested Current Mirror for Front-end Readout ASIC
	<i>Dechen Liu, Tingcun Wei, Sijie Chen, Nan Chen</i>

Oral Session 1D

ET079	Performance Degradation Estimation of High-speed Train Bogie based on a Novel Multi-Scale Convolution Module
	<i>Junxiao Ren, Weidong Jin, Liang Li</i>
ET082	Super resolution reconstruction of single image based on Res-Net and Sub-Pixel
	<i>Juan Zhou, Shuang Yi, Fu Jin</i>
ET083	Combined Model of Principal Component Analysis and General Regression Neural Network for Military Aircraft Cost Estimation
	<i>Shihui Wu, Bo He, Xiaodong Liu</i>
ET084	Dynamic Control Design for UAV Formation Tracking with Time Delays
	<i>Jingcheng Zhao, Mengjiao Xu, Zhuwei Wang, Lihan Liu</i>
ET085	Research on signal forming of charge induction type dust concentration sensor
	<i>Runnan Wang, Tao Wang</i>
ET086	Design of Myopia Prevention System Based on Machine Vision
	<i>Wanting Wang, Yuxia Lin, Zhenyu Huang, Xin Liu</i>

ET091	Research on Temperature Prediction Model and Temperature Control Model for Fruit and Vegetable Greenhouses
	<i>Hao Chen, Jianlin Qiu, Yuwei Yang</i>
ET092	Research on Enterprise Financial Performance Evaluation Method Based on Data Mining
	<i>Xiaoqian Wang</i>
ET098	Research on Fault Diagnosis Method of Wind Turbine Based on Kernel Fuzzy Clustering Algorithm
	<i>Zilong Xu, Xiao Huang</i>
ET100	Research on Image Recognition of Power Equipment Using Random Forest Algorithms
	<i>Yuan Zhang, Jiapeng Hu, Ruiqi Han, Zhanyu Wang, Kanghui Tian</i>
ET101	Research on Network Security State Prediction Method Based on SVM
	<i>Gen Li</i>
ET105	Analysis method of fault arc characteristics of distribution lines in heritage buildings based on time and frequency domain
	<i>Chao Sun, Xiaobai Li, Haitao Li</i>
ET108	Model of Computer Automatic Test Paper Based on Genetic Algorithm
	<i>Xueyan Wang</i>
ET109	Design and Implementation of Intelligent Robot Experimental Platform Based on Virtual Simulation Technology
	<i>Xin Huang</i>
ET110	Research on pipeline leakage location based on negative pressure wave method
	<i>Wenqian Zhang, Pan Su, Jiechang Wu, Xuejiao Feng</i>
ET111	Design and application of real-time monitoring system for Marine fishing nets
	<i>Xu Chunbo</i>

Oral Session 2A

ET112	Modified HSO Algorithm for RAP Problem with Homogeneity Subsystem Components
	<i>Xuebao Li, Dongkui Li</i>
ET115	Improved Cubature Kalman filter algorithm based on magnetometer and gyroscope
	<i>Aidi Zhang, Yurong Liao, Zhaoming Li, Xinyan Yang, Yalun Luo</i>
ET117	Research on the Scheme of Automatic Replacement of Operating Trains of the UTO System based on the CS Mode
	<i>Shen Youwen, Yu Guorong, Wang Feijie</i>
ET118	Design and Implementation of Knowledge Extraction in Geographic Knowledge Graphs
	<i>Ke Yang, Zhihong Liu, Fei Chen, Xueling Li, Shiping Yang</i>
ET121	Research on Knowledge Graph Construction of Early Stage Auxiliary Decision-making System for Power Grid Planning Projects
	<i>Wei Wang, Bin Wang, Ying Liu, Chen Luo, Li Wang</i>
ET122	An Analysis of Artificial Intelligence Engineering Cost Information Management Platform
	<i>Wen Huang</i>
ET125	Developed Technique to Track Hot Spots on Flame
	<i>Ahmed Abdelrahim, Shi Liu, Nihad Abdalla</i>
ET128	Study on spectral imaging technology based on adjustable filter
	<i>Xiaoting Kan, Shuai Huang</i>
ET129	Development of highly reflective polarization film on nickel substrate
	<i>Ying Zhao, Jinye Yang</i>
ET131	Research Status of Speech Driven Virtual Face Animation Methods
	<i>Jia Zeng, Xiangzhen He, Shuaishuai Li, Zhenjie Liu, Lindong Wu</i>
ET132	Unsupervised word sense disambiguation method based on word vector
	<i>Yibo Chen, Lan Hu, Xin Huang, Zuping Zhang</i>
ET134	Asphalt Pavement Crack Identification based on Two-Stage Training and Multi-Branch Model Integrating Multiple Attention
	<i>Yue Wang, Jiadi Mo, Zhi Yu, Yangyang Wang, Shoujing Yan, Xiaochun Cao</i>

ET136	An entity recognition method based on curriculum learning for core domain entity mining
	<i>Xin Huang, Luyun Shi, Yibo Chen, Zuping Zhang</i>
ET137	IPFC: Machine Learning based Intelligent Prediction of Food Preference for Cooking
	<i>Shuyao Li, Min Fu</i>
ET139	Document similarity detection based on multi-feature semantic fusion and concept graph
	<i>Xing Xiang, Zhiyuan Zhong, Yibo Chen, Zuping Zhang</i>
ET140	Sports Effect Evaluation Technology based on Elastic Network
	<i>Silin Li</i>

Oral Session 2B

ET141	KGSMS: Knowledge Graph Sample based Multi-agent Simulation
	<i>Yue Deng, Meijuan Xia, Mengyuan Cao, Haocong Ma</i>
ET143	Application of Artificial Neural Network in Student's Behavior Analysis in English Class
	<i>Liang Juntong</i>
ET144	A Novel Power Curve Alignment Method for CPA
	<i>Zhang Keju, Tian Xi, Xie Hao</i>
ET145	Design of filter rod counting system based on image acquisition and recognition
	<i>Wang Qi, Qin Ting, Zhang Chi</i>
ET146	Research on Drilling and Completion Design Knowledge Base System based on Knowledge Map
	<i>Mei Yunyi, Ge Yunhua, Zhang Yanlong, Jing Lingzhi, Ji Yong, Yang Xinyi</i>
ET151	An Improved Decision Tree Algorithm Based on Support Vector Machine for Medical Data Analysis
	<i>Zhang Zhixiu, Lu Zhixiang</i>
ET152	A Road Network Congestion State Discrimination Method Based on Moran's Index
	<i>Xueling Cao, Haiqing Liu, Shengli Wang</i>
ET153	Rapid classification method of document security levels based on decision tree
	<i>Peilin Wu, Tao He, Hao Feng, Jinhui Zhao, Fang Qi, Wei Zhu</i>

ET154	Clustering Analysis of Borrowing Data of University Library based on K-means Algorithm
	<i>Silin Li</i>
ET155	An Improved K-means Clustering Model Based on Support Vector Machine for Health Insurance Cost Prediction
	<i>Liao Xiaoqun, Li Run</i>
ET158	Design and Development of Industrial Safety APPs
	<i>Laihua Fang, Xunxian Shi, Bingyun Mei, Yiming Liu</i>
ET159	Construction and Evaluation of Employee Turnover Prediction Model based on Data Mining Algorithm
	<i>Silin Li</i>
ET162	Correlation Analysis between Effective Irrigation Area and Fertilizer Based on PLSR Method
	<i>Mingyue Guo, Jinhua Mei</i>
ET163	Image Enhancement Technology in Pavement Disease Detection System
	<i>Xuefeng Li, Zuofeng Zhou, Qingquan Wu</i>
ET165	An Overview of Generative Adversarial Networks
	<i>Yiqi Zeng, Dongchi Xue</i>
ET166	Review of Methods Applying on Facial Alignment
	<i>Yangchenchen Jin, Zhiyao Li, Puyuan Yi</i>

Oral Session 2C

ET167	Recent Advances of Generative Adversarial Networks
	<i>Zhelin Liu, Tingxu Yuan, Yaxin Lin, Botao Zeng</i>
ET168	Application of Machine Learning Methods in Geoscience
	<i>Qixiang Luan, Zhenyu Tian</i>
ET171	Research on the Frameworks of Visual Tracking
	<i>Zhenyu Qu</i>
ET172	Research on High Quality Comparator Design
	<i>Haotian Lu</i>
ET173	Uncertain mission planning for earthquake rescue based on scenario
	<i>Gong Jianxing, Lu Chengzhao, Liu Quan, Huang Jian</i>

ET175	The Investigation of the Correlation between 4 Urine Biomarkers and Intelligent Diagnosis of PDAC
	<i>Linke Li</i>
ET176	Take a close look at mode collapse and vanishing gradient in GAN
	<i>Zhitong Ding, Shuqi Jiang, Jingya Zhao</i>
ET178	Probabilistic foundations for machine learning
	<i>Chang Xu</i>
ET180	Experimental Study on the Influence of Micro-water Content on FDS Curve Characteristics
	<i>Chen Xue, Li Jiyu, Chen Dacai, Cai Chao, Gong Zhidan</i>
ET183	Research on Intelligent Assessment Model of Influencing Factors of Electricity Satisfaction under the “Carbon Peak and Carbon Neutral”
	<i>Wenjin Yu, Haozhe Zhang, Xindemin Wang, Lifang Wang</i>
ET185	Study on the Tripartite Evolutionary Game of Intelligent Electric Heating System and Establishment of Mathematical Model
	<i>Wenjin Yu, Haozhe Zhang, Wen Wen, Lifang Wang</i>
ET187	Reliability Evaluation Model Construction and Classification of HD High-speed Railway Station Service System Based on Big Data Platform
	<i>Yang Huidi, Feng Xiwen</i>
ET191	Analysis on the efficiency of tax collection in China based on DEA—Tobit model under the background of big data informatization
	<i>Zijing Wang</i>
ET193	Cooperative Path Planning of UAV Formation Based on Improved Artificial Potential Field
	<i>Wei Li, Yang Chen, Lei Xiang</i>
ET198	Big Data Analysis of Coal-fired Power Plants Emit Colored Plumes from the Chimneys
	<i>Yi Yang, Yang Luo, Ao Dai, Wan Tao, Qinghua Zeng</i>
ET199	Ultra-short term photovoltaic power prediction
	<i>Yanhua Yin, Zhengdong Li, Xiuling Li, Xuanyan Wu, Yi Yang</i>

Oral Session 2D

ET200	Research on the Auxiliary Application of Computer Big Data Technology in Digital Children's Books
	<i>Lei Song</i>
ET201	Research on the structural design of assisted driving robots
	<i>Gangfeng Yang</i>
ET203	The development and application of a pluggable watt-hour meter replacement device with continuous electricity
	<i>Lei Zhou, Liang Zhu, Jing Shao, Hongpeng Guo, Zhuo Wang, Xin Wei</i>
ET204	Harmonic estimation using cuckoo search based on chaos
	<i>Minmin Xu, Haifan Niu, Na Song, Jingfei Wang, Jinliang Wang, Pei Li</i>
ET205	Building API Ecosystem in Blended Learning by Service Oriented Architecture
	<i>Geng Sun, Zhenghong Huang, Lin Yue</i>
ET207	A Dynamic Detection Method for Process Monitoring
	<i>Jin Wang, Chang Liu, Jie Wang, Chang Liu, Boxian Zhang, Ziang Li</i>
ET209	Research on Drive Detection Method for Management Module of Smart Electrical Energy Meter
	<i>Jun Du, Zhiqiang Wang, Xuesong Bai, Ling Yi, Zhaoqing Liang, Lixiang Qin</i>
ET210	Research on the Application of Computer Big Data Technology in English Multimedia Teaching
	<i>Zhuang Fufei</i>
ET213	Vision: Overview of Vehicle Body Violation Target Detection Algorithms
	<i>Chenghao Liang, Yanzhen Lu, Xingkuan Yu</i>
ET215	An adjusting method of IPT system by variable capacitance
	<i>He Huafeng, Li Zhen, Zhang Xiaoyu, Zhao Junchao</i>
ET217	The Research for Software Programming of English Online Learning
	<i>Peng Li</i>
ET218	Design of Logistics Warehousing System Based on Artificial Intelligence Technology
	<i>Xiaolei Zhong, Ze Chen</i>
ET220	Hexapod upright bionic robot with deformable foot wheels
	<i>Xuyang Zhu, Xiaoqing Zhu</i>

ET221	Thesis Intelligent Evaluation Model based on Heterogeneous Graph Neural Network
	<i>Zekun Xing</i>
ET222	Convergence of Stochastic Gradient Decent Algorithm with Momentum
	<i>Jieling Wang, Gang Xie</i>
ET224	Credit Risk Intelligent Assessment Model Based on Machine Learning
	<i>Haofeng Shi, Zhihua Wang, Xinming Wang</i>

Oral Session 3A

ET225	Research on the Application of LEO Satellite in IOT
	<i>Liang Jin, Liting Wang, Xinghu Jin, Junqing Zhu, Kun Duan, Zhi Li</i>
ET226	Research and Application Exploration of 6G Communication Network System Architecture
	<i>Liting Wang, Quan Wang, Liang Jin, Junqing Zhu, Peng Chen, Jie Han</i>
ET229	Application Research of Computer Artificial Intelligence Technology in New Energy Grid-connected Consumption Device
	<i>Wei Jinhua, Shang Guangguang</i>
ET234	Research on the Application of Module System in the Field of CG Painting
	<i>Yuan Bo</i>
ET239	Linear Programming Method and Diet Problem
	<i>Weijie Zhou, Xinru Peng</i>
ET242	Research on the Construction of Personalized Intelligent Recommendation Platform for National Reading Empowered by Blockchain
	<i>Huili Xue, Kongsheng Guo</i>
ET243	Development and Comparative Analysis of Event Relation Extraction Methods
	<i>Shangyuan Ni, Taisheng Ng, Ling Xue, Jiawen Zhang</i>
ET244	Application of Digital Simulation Technology in Optimization of Assembly Process for the Core Module of Space Station
	<i>Liu Tonghui, Zhao Jinlong, Wang Pengfei, Hao Yaxin</i>
ET250	A High-precision Time Synchronization Algorithm for Aviation Swarm Task Cooperation
	<i>Shang Yaobo, Zhang Dongwei, Wang Lei, Li Zhe, Li Shujing</i>

ET251	Research on E-commerce Mathematical Forecasting Model based on Hybrid Neural Network
	<i>Chenyang Fu, Ruiqi An</i>
ET254	A Study on Interest Evolution-based Click-through Rate Intelligent Prediction Model for Advertising
	<i>Lan Shan</i>
ET255	Research on the Collection of Computer Big Data Technology in the Sales Tax of Hainan
	<i>Cai Xingli, Yu Hong</i>
ET258	Portable blood oxygen detection device based on STM32
	<i>Ziyun Li, Jingfeng Zhou</i>
ET260	Research on the Application of Prefabricated Concrete Components in Construction by Design Software
	<i>Xinyao Huang, Meina Zhao, Shufen Yang</i>
ET263	Research on the application of computer virtual reality technology in tennis visual communication system
	<i>Xudong Yang, Fan Gu</i>
ET269	Named Entity Recognition in Emergency Domain based on BERT-BILSTM-CRF
	<i>Yu Tian</i>

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ET270	The Design and Application of the Direct Acquisition System of Terahertz Signal Based on the Second-Order Butterworth Low-pass Filter
	<i>Zhaohui Zhang, Xinyong Zhu, Yongli Liu, Hui He</i>
ET275	Analysis of electroencephalogram (EEG) microstate for studying neural networks: A brief review
	<i>Rongyu Ma</i>
ET276	Research on Prediction of Ultra-short-term Load Active Power-Reactive Power Based on OVMD-CatBoost
	<i>Zirui Wang, Bowen Liu, Xu Zhang</i>
ET277	A Hybrid Model Combined Deep Learning Approaches in Stock Price Prediction
	<i>Zidong Huang, Yiming Lin, Haoran Xue</i>

ET279	Deep Learning Techniques for Multimodal Sentiment Analysis
	<i>Yifan Luo, Yucheng Wang, Yuchen Xiong, Chenghan Yu</i>
ET280	Comparison on Visual Trackers: A Taxonomy
	<i>Yuqi Bu, Keyu Ge, Yitao Lei</i>
ET282	Design of hospital case information retrieval system based on improved AES algorithm
	<i>Shihang An, Haiyun Yuan, Runhao Liu, Wenbo Dai, Tianqi Bu, Shichuang Zheng</i>
ET283	Research based on an electronic field marker board and field marker control system
	<i>Ren Zhizhong</i>
ET286	Research on the selection method of digital tube driving
	<i>Haichao Yu</i>
ET288	Research on Information Sensing and Transmitting Technology for Island Using 5G System
	<i>Zihang Gao</i>
ET289	Influence of Internet Information Technology on Deep Learning: A Case of Science Literature
	<i>Baoxin Chen, Kan Chen, Xi Wang</i>
ET290	Asymmetric Encryption Algorithms: Primitives and Applications
	<i>Zihua Meng, Yue Wang</i>
ET291	Researches Advanced in Automatic Lung Cancer Diagnosis based on Convolutional Neural Networks
	<i>Fengyun Chen, Huizi Qian, Xingyu Zhu</i>
ET292	Cost-Effective Analysis and Calculation of Energy Performance Using Insight Tool in BIM
	<i>Xiaolei Chen, Wang Qi, Weihua Hu</i>
ET294	Energy Analysis of a Small Wind Farm Using BIM Technology
	<i>Chenglei Sun, Xi Li, Zhuo Wang</i>
ET295	Research on the upward path and index weight of automobile brands based on AHP and CRITIC models
	<i>Zhang Fan, Hu Huiying, Yang Jing</i>

Oral Session 3C

ET296	The transformation of artificial intelligence in the 5G era and the impact on education
	<i>Pan Xiaoling, Zhou Xuan</i>
ET300	Study on Balun Miniaturized Flexible Archimedes Spiral Antenna for Partial Discharge Detection
	<i>Lin Cheng, Hao Wen, Yi Liu, Yi Jiang, Zhengqin Zhou, Jing Zhang, Guozhi Zhang, Hangyin Mao</i>
ET304	Design of Cloud Diary System based on Blockchain
	<i>Ying Peng</i>
ET305	Remote Monitoring System of Heat Exchange Station based on 5G-Internet Network
	<i>Mingyue Li, Wei Li</i>
ET308	Agricultural Product Recommendation Model and E-Commerce System based on CFR Algorithm
	<i>Tungchun Chen, Yushen Liang, Tienshou Huang, Juichan Huang, Chengju Liu</i>
ET310	Design of Intelligent Logistics Vehicle Monitoring System based on Artificial Network
	<i>Xue Lyu, Ting Xia</i>
ET311	Unmanned Inspection System of Substation based on Multi-Dimensional Perception Robot
	<i>Yangkai Wang, Yue Xu, Tao Xu, Jidong Han, Bing Yang</i>
ET323	Trajectory Tracking Control of Differential Driving Double-Wheeled Mobile Robot
	<i>Jianwei Shu, Hua Liu, Jinfeng Dong, Peng Du, Weiyu Zhang</i>
ET326	Analysis and Research on the Signal Quality of the Beidou-3 Signal with EWS
	<i>Yang Zhang, Zhongli Yi, Shanshan Wang</i>
ET338	Fault Diagnosis of Power Transmission Line based on Elgamal Encryption Algorithm
	<i>Hai Yu, Ling Zhang, Puzhi Zhao, Zhenguo Liu, Zhushi Yang, Ming Jin, Bing Hou</i>
ET339	UAV Inspection Monitoring and Management System based on Wireless Sensing Technology
	<i>Daoyang Xiong, Wei Wei, Wei Zhang, Kai Huang, Baohai Li, Li Zhang</i>

ET342	Design of Information System Security Evaluation Management System based on Artificial Intelligence
	<i>Song He, Xiaohong Shi, Yan Huang, Gong Chen, Huihui Tang</i>
ET343	Image Recognition Method based on Artificial Intelligence Technology
	<i>Jun Ma, Qian Sun</i>
ET347	Design and Implementation of Intelligent Logistics Equipment Scheduling Platform based on Internet of Things and Cloud Computing
	<i>Xiaoxia Han</i>
ET348	Hierarchical Decentralized Control of Building Structure based on Genetic Algorithm and BP Neural Network
	<i>Pengwen Hu</i>
ET350	Model Construction of Pharmaceutical Supply Chain based on Apriori Algorithm
	<i>Chen Ding</i>

Oral Session 3D

ET353	5G New Radio with Orthogonal Multiwavelet Packet Division Multiplexing
	<i>Xiaohong Yan, Jun Li, Zhaoyang Wu</i>
ET358	UL-net: Fusion Spatial and Temporal Features for Bird Voice Detection
	<i>Xiuyuan Guo</i>
ET366	An Anisotropic Wells Algorithm based on Deep Learning MRI of Cerebral Infarction
	<i>Ran Li</i>
ET368	Runway Image Recognition Technology based on Line Feature
	<i>Le Zhang, Jinsong Wang, Zhiyong An, Yuhang Shang</i>
ET369	Application of Remote Network Intelligent Detection Technology in Pavement Anti-Skid Engineering
	<i>Xiaohua Liu, Bin Wei, Chunlong Xiong</i>
ET376	Electric Field Distribution Characteristics of Novel Fiber Sensor with Semiconductor Light Source
	<i>Huang Jie, Pengcheng Ni, Chen Shuo, Xuyang Zhao</i>
ET381	Application of Power System Intelligent Control in Data Analysis of Power Grid Dispatching Control System
	<i>Qian Wang, Haoran Li</i>

ET382	Security Encryption Scheme under the Double Rules of DNA and Absolute Motion Block Truncated Encoding
	<i>Haili Peng, Fuqiang Li</i>
ET387	5G Wireless Communication Network Security System Encryption based on DES Algorithm
	<i>Jun Li</i>
ET388	Specific Application of Information Technology in Data-Driven Laboratory Platform Management
	<i>Ziyuan Gao, Yingji Luo, Jianhua Zhang, Ze'an Liu</i>
ET393	Research on Intelligent Digital Printmaking Printing System based on Viterbi Algorithm
	<i>Yichun Liu</i>
ET395	A Study of Gait Recognition Algorithm based on Multi-Level Pooling Residual Network
	<i>Zhiyu He, Yongliang Shen</i>
ET398	Image Monitoring Method of Tennis Player Arm Sports Trajectory
	<i>Mingyue Sun</i>
ET403	For High Frequency 5G Analysis and Predictions for Large Video Surveillance Systems
	<i>Xiaopeng Feng, Sicong Yuan, Sizhe Qiu</i>
ET415	Digital Gesture Recognition based on Deep Capsule Network
	<i>Yifan Wang, Hong Jiang</i>
ET417	Mathematical Modeling Method based on Neural Network and Computer Multi-Dimensional Space
	<i>Zhiping Song</i>

Oral Session 4A

ET419	Target Simulation based on Complex Structure of Angle Reflector
	<i>Jiaxing Hao, Xuetian Wang, Hongmin Gao, Sen Yang, Cuicui Yu</i>
ET423	The Application of BP Neural Network Model in Transportation Scheme Design based on MATLAB
	<i>Kangkang Zhao, Xianyu Gong, Yanhong Wu, Zhibo Gao</i>
ET424	Big Data Classification Model and Algorithm based on Blockchain
	<i>Jiyin Zhou</i>

ET426	Coordination and Management of Multi-objective Stereo Dynamic Complex System based on Big Data
	<i>Jiyin Zhou</i>
ET427	Image Recognition Algorithm of Complex Cracks in Metro Tunnel based on Neural Network
	<i>Yan Zhou</i>
ET431	News and Social Media Automatic Detection System based on Big Data Automatic Identification Technology
	<i>Xiaojing Lyu</i>
ET436	Color Texture Image Recognition based on Deep Learning
	<i>Shuping Xiao</i>
ET439	Design of Nanchang VI Visual Image Recognition System based on Artificial Intelligence
	<i>Shi Yang, Chaoran Tong</i>
ET440	Dynamic Target Detection in Intelligent Traffic Detection System
	<i>Lei Li, Tianyu Wang, Changsheng Bi, Shuangsheng Li, Chao Yuan, Zhongchen Yue</i>
ET454	Intelligent Manufacturing System of Industrial Robot based on Q-learning Particle Swarm Algorithm
	<i>Bing Wang</i>
ET460	E-commerce Big Data Classification and Mining Algorithm based on Artificial Intelligence
	<i>Yulin Luo, Shengxing Xu, Chao Xie</i>
ET465	Design and Optimization of Big Data Distribution System under Cloud Computing Platform
	<i>Yufeng Xing, Siqiang Xie</i>
ET466	Optimization Model of Tourist Transportation Route based on Multi-Neuron Algorithm
	<i>Jiang Xiong</i>
ET468	Research on Image Encryption based on Generalized M-J Set
	<i>Yanling Sun, Ning Chen, Tianjiao Jiang</i>
ET482	Data Processing Technology in CPSS Platform Design
	<i>Zhenghong Jiang, Chunrong Zhou</i>

ET483	Source Code Vulnerability Mining Method based on Graph Neural Network
	<i>Zhenghong Jiang</i>

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ET486	GABP Neural Network Algorithm in Computer Intelligent Image Recognition Technology
	<i>Cong Li</i>
ET487	Design of PLC Intelligent Control System based on Improved Genetic Ant Colony Algorithm
	<i>Jianglin Lu</i>
ET489	Application of Fuzzy Particle Swarm Optimization Algorithm in Optimizing Logistics Distribution Management System
	<i>Li Ma</i>
ET497	Urban Rail Transit Control System based on IoTDB IoT Database
	<i>Donghua Long</i>
ET498	Path Tracking Control Algorithm for Unmanned Vehicles based on Improved RRT Algorithm
	<i>Shouqing Lu</i>
ET500	Target Detection Algorithm of Intelligent Shared Car under the Background of Blockchain Technology
	<i>Shouqing Lu</i>
ET504	Intelligent Parking Guidance System based on Improved Bee Colony Algorithm
	<i>Jing Wang</i>
ET507	Design of Urban Road Traffic Induction Algorithm based on DL Algorithm
	<i>Li Xia</i>
ET512	Data Storage Security System based on Cloud Computing
	<i>Haosila Yao</i>
ET516	Recognition Method of Landslide Remote Sensing Image based on EfficientNet
	<i>Jingwen Chai, Yutong Nan, Rong Guo, Yuqiu Lin, Yutong Liu</i>

ET518	Computer Information Management Database System based on Genetic Algorithm
	<i>Libo Xu, Wenbo Yu</i>
ET533	Data Processing in CPSS Platform based on Data Mining
	<i>Bei Zhao, Jingjing Du, Wei Gao</i>
ET536	A Self-embedding Robust Watermarking Scheme for Image Authentication
	<i>Huajun Wang, Linlin Zhang, Liang Yang, Wenbin Wang</i>
ET540	Study on Carbon Dioxide Enrichment Capacity of 35MWth Boiler Operated in O₂/CO₂ Atmosphere with Recirculated Flue Gas
	<i>Tongrui Cheng, Zhenning Zhao, Yipeng Sun, Junfu Lv</i>
ET541	3D Visualization with VR Interaction for HPR1000 Design V&V Platform
	<i>Fan Zhang, Zhi Zhou</i>
ET542	Post-Fault Active Power Control of DFIGs for Improving Multi-Swing Transient Stability-Part I: Theoretical Foundation
	<i>Zhe Dong, Yuxin Zou, Xi Chen, Rengcun Fang, Zhi Xiong, Yunfeng Li</i>

Oral Session 4C

ET544	Post-Fault Active Power Control of DFIGs for Improving Multi-Swing Transient Stability-Part II: Strategy Application
	<i>Zhe Dong, Yuxin Zou, Rengcun Fang, Xi Chen, Jia Wang, Yulun Ren, Bo Ruan, Qiliang Wu, Chaoqian Chen</i>
ET545	Research on the Development and Application of Agricultural Internet of Things Management Service Platform in the Era of Big Data
	<i>Han Mei</i>
ET550	Development and Intelligent Investigation of Fluoride Ion Detection Equipment Based on Spectrophotometric Method
	<i>Zhihao Yuan</i>
ET551	AI Music Therapist: A Study on Generating Specific Therapeutic Music based on Deep Generative Adversarial Network Approach
	<i>Yurui Hou</i>
ET554	Design of a ship safety training software based on leap motion and unity3D
	<i>Yunyao Ye, Dian Chen, Jingyang Wang</i>

ET557	LabVIEW-based CAN bus data acquisition and monitoring system for automobiles
	<i>Chen Long, Li Zhuo</i>
ET558	Implementation Scheme of Research Project on Fast Layout Method of Discrete Devices in PCB
	<i>Yichuan Li, Peilin Yu, Kang Xu</i>
ET560	Design and research of a new energy-saving UAV for forest fire detection
	<i>Wenhao Liu, Yifan Yang, Jiaming Hao</i>
ET562	Multi-objective comprehensive optimization of existing building transformation based on genetic algorithm and variation calculation
	<i>Qingfeng Zhu, Jianqiao Li</i>
ET565	The Conduction Method based on Intermediary Fusion Can Expand the Innovation of Computer Aided Architectural Design
	<i>Lunan Sun, Qiannan Liu, Lipeng He</i>
ET566	Research on distribution operation monitoring and visualization technology supporting open communication
	<i>Xueqin Zhang, Jianwei Zhao, Xiaojun Sun, Bo Zhang, Sheng Chen, Xiaobin Yuan</i>
ET568	Research on the design and development technology of visualization platform for power distribution communication network
	<i>Xudong Wang, Xueqin Zhang, Wei Chen, Jianwei Zhao, You Li, Tianhua Zhou</i>
ET569	Research on the dissemination and application of computer 3D technology in the process of intangible cultural heritage display
	<i>Ruikun Yang, Shahrman Zainal Abidin</i>
ET570	Application Research of Computer Virtual Modeling Technology in Mechanical Automatic Production Line
	<i>Zhuangzhuang Tao</i>
ET573	Computer aided design of automatic intelligent pineapple leaf fiber scraping machine
	<i>Zhao Yaqi, Sun Yihang</i>
ET575	A Public Flue Smoke Intelligent Cleaning Device based on Ultrasonic Atomization and Computer Simulation
	<i>Lan Tianru</i>

Oral Session 4D

ET578	Intelligent automatic temperature and humidity control barn
	<i>Chaohan Shen</i>
ET579	Application Research of Computer Artificial Intelligence Technology in Electronic Commerce Information Retrieval System
	<i>Lei Feng</i>
ET582	Visual Object Tracking: Method and Comparison
	<i>Qiangyu Li, Letian Quan, Zhuangzhi Sun, Yuchen Wu</i>
ET583	Path Planning of Electric Emergency Robot based on Analytic Hierarchy Process
	<i>Hui Zeng, Yi Di</i>
ET586	Human Target Following of Mobile Robot based on Lidar
	<i>Fenggang Liu, Li Xiao, Shuai Qiu</i>
ET587	Path Recognition System of orchard mobile Robot
	<i>Yan Zhang, Fenggang Liu</i>
ET588	Target search path planning for mobile robot under fixed time
	<i>Fenggang Liu, Zhaoyun He, Shuai Qiu</i>
ET589	Trajectory tracking control of mobile robot based on interval type II fuzzy sliding mode
	<i>Hui Zeng, Yi Di</i>
ET590	Design of Biquad Filter in Digital Hearing Aid
	<i>Silin Chen</i>
ET596	Research on Efficiency Intelligent Evaluation Model and Optimization System of Airport Surface Operation
	<i>Zhou Xiaoning, Rong Chunbo, Zhao Zhiqi, Wen Kai</i>
ET597	Exploring Model of C4 Olefin Prepared by Ethanol Based on Random Forest and Genetic Algorithm
	<i>Hongxuan Li, Jili Ruan, Keyue Qiu</i>
ET599	An Accurate Employment Prediction Model Based on Collaborative Filtering Algorithm
	<i>Jingyuan Li, Jia Wang, Ke Zhang</i>

ET603	Research on Simulation Communication Mechanism for Intelligent Combat
	<i>Qingjun Qu, Yiping Yao, Wenjie Tang, Feng Zhu</i>
ET606	Research on Clustering Routing Protocol for Energy-Harvesting WSN
	<i>Wang Xin, Li Cuiran, Xie Jianli</i>

Poster Session 1

ET006	Research and application of moisture control of recycled tobacco based on fuzzy-PID control
	<i>Yang Kaihua, Ma Darong, Wang Gang, Wang Youli, Li Hanying, Huang Weifeng</i>
ET010	Construction of performance degradation evaluation system for a certain type of gas turbine
	<i>Xiangyu Dong, Youhong Yu, Yujie Li</i>
ET016	Bi-Directional BiLSTM-Attention Short-Term Load Forecasting based on Correlation Weight
	<i>Jiahao Wen, Zhijian Wang</i>
ET019	Workpiece-oriented key geometric error identification method for five-axis CNC machine tool
	<i>Rong Bao, Hanze Chu, Jiaqi Yu, Junyi Wo, Wanren Fang, Jiangjie Weng</i>
ET030	TGNN: Topic-aware Graph Neural Network for Identifying Fake News from Social Media
	<i>Wang Gao, Mingyuan Ni, Yin Huang</i>
ET040	Application of digital twin technology in the field of warhead production
	<i>Jia Yunpeng, Yang Hao, Jia Yunhe, Zhang Yuli, Gao Jun, Liu Jinsong, Zhang Hongguang, Zhao Tongyu, Tian Peng, Guo Cuiling, Zhu He, Yang Ming, Mu Jiaqing, Hong Rui, Yin xiangchun, Li Jianbai</i>
ET044	An image encryption system based on chaos principle
	<i>Fuyi Du, Qinghong Shen, Wenjie Dong, Weili Zhang, Yiting Shi, Hongmei Chen</i>
ET050	All-weather acousto-optic compound bird repelling system with continuous wind rotation system
	<i>Fan Zhu, Yueqing Song, Pengcheng Xu, Feng Zhou</i>
ET065	Research on the Optimization of Shielding of the Equipment Compartment under the High-speed Train
	<i>Linsong Feng, Yinghong Wen, Dan Zhang, Dong Liu</i>

ET081	Deep Learning Power Analysis for Midori128 with Hiding Countermeasure
	<i>Shu Takemoto, Shunsuke Miwa, Yoshiya Ikezaki, Yusuke Nozaki, Masaya Yoshikawa</i>
ET090	Bio-informatics Sequence Alignment Technology Based on Estimate Algorithm
	<i>Ziyue Wang, Yunying Mou, Keyu Han, Peiran Wang, Yunxuan Shi</i>
ET096	Research on Vehicle Distance Recognition System Based on Machine Learning and OpenCV
	<i>Guanren Qiao, Han Jiang, Yue Min</i>
ET097	Research on Industrial Robot Trajectory Tracking Control System based on PID Feedforward Algorithm
	<i>Jiaxuan Liang</i>
ET102	Learning maximum entropy policies with QMIX in cooperative MARL
	<i>Fenggen Guo, Zizhao Wu</i>
ET107	Application of Extreme Learning Machine based on Sparrow Search Algorithm Optimization in MPPT of PV System
	<i>Zhen Zhong</i>

Poster Session 2

ET123	6G Cell-Free Network Architecture
	<i>Jiaying Zong, Yang Liu, Haitao Liu, Qingtian Wang, Peng Chen</i>
ET150	A Fire Monitoring Model of Unmanned Aerial Vehicle based on Geographic Information
	<i>Jian Li, Siqu Yang, Siwen Zhang, Xunlei Chen, Er kang Li</i>
ET161	EL-RFSVM: An Ensemble Learning Framework Based on Support Vector Machine and Random Forests for Labour Resource Allocation
	<i>Liu Bo, Huang Chunlan</i>
ET170	Gesture recognition related technology and development challenges
	<i>Yuxiang Li, Jingya Xu</i>
ET186	Research on Application of Enterprise Management Intelligent Decision Analysis System under Computer Big Data
	<i>Li Kun</i>
ET202	A fault location method for hybrid transmission lines
	<i>Chen Jianming, Liu Lei, Xu Yuming, Gu Endao</i>

ET212	Clustering and comprehensive evaluation model of distribution network projects and practical research
	<i>Fan Qiannan, Zhang Yizi, Zhang Shiyu, Liu Shuyong</i>
ET237	The Advancement of Biomedical Relation Extraction through Cloud Computing and Big Data Analysis
	<i>Zishuo Wang</i>
ET257	Research on Safety and Conceptual Design of Civil Nuclear Ship
	<i>Yang Hu, Zhu Xianlin</i>
ET285	A Remote Authorization Protocol Using Physical Unclonable Functions
	<i>Yong Xiao, Xin Jin</i>
ET297	A Low Noise and Low Power ECG Amplifier Using CMOS Two-stage OTA
	<i>Yubo Cheng, Shun Fang</i>
ET306	Visual Power System based on Artificial Fish Swarm Algorithm
	<i>Chaoshan Xin, Xijiang Han, Zhuan Zhou, Yu Jin, Guokang Yu</i>
ET341	Network Security Situation Assessment and Prediction Technology based on Analytic Hierarchy Process
	<i>Xiaohong Shi, Song He, Huihui Tang, Chenglong Liu, Gong Chen</i>
ET345	Application of Machine Learning Algorithms in the Development of Civil Engineering Software
	<i>Pengwen Hu</i>
ET356	Research on Pilot Intention Recognition based on Motor Imagination EEG
	<i>Qiyu Wu, Changyuan Wang</i>

Poster Session 3

ET372	Optimization Algorithm of Incentive Mechanism of Parking Space Crowdsensing System
	<i>Yuanlu Li, Wuqi Gao, Junmin Luo</i>
ET401	Improvement of Computer Neural Network based on Feedforward Sequence Memory
	<i>Lingfan Li</i>
ET433	Research on Brand Signal Difference between Manufacturing and Service based on Smart Wireless Sensor Network Technology
	<i>Ling Yang, Pengzhi Xu</i>

ET455	Automatic Design System of Creative Painting based on 3D Digital Interactive Technology
	<i>Yani Wu</i>
ET475	A Statistical Judgment Method of Network Attack Threat based on Markov Process Learning Model
	<i>Xiaoyan Wei, Dongling Xiao, Fei Gao, Guoru Deng, Haohua Meng, Rongtao Liao, Jundong Huang, Zheng Yu, Hao Feng, Bo Jin, Zhaofeng Guo</i>
ET493	Optimal Design of Computer Network Reliability based on PSO-Fcm Intelligent Algorithm
	<i>Chenyin Ye</i>
ET510	K-Decision Tree Control Method of Welding Robots based on Machine Vision
	<i>Junru Wang</i>
ET529	An Abnormal Network Traffic Detection Method on MAWILab Dataset based on Convolutional Neural Network
	<i>Xin Liu</i>
ET546	Research on Application of Agricultural Remote Sensing Technology in Big Data Era
	<i>Peipei Zhao</i>
ET552	Agricultural and Husbandry Intelligent Waste Treatment Device based on Dry Fermentation
	<i>Tai Li, Xinling Xiong, Yujia Guo</i>
ET563	The reliability calculation and computer appraisal model of building components based on target service life
	<i>Zongyu Zhang, ChunLei Du, Yong Wang, Jing Liu</i>
ET577	Intelligent Integrated Sewage Treatment and Magnetic Powder Recovery Device based on Halbach Permanent Magnet Army
	<i>Hongyu Tao</i>
ET580	A new mechanical ecological floating island based on refrigerant and big data
	<i>Zijie Zou</i>
ET592	Heat Rod Optimization Device based on CMOS Temperature Sensor and Liquid Crystal Elastomer
	<i>Wu Dongliang</i>

ET601	Study on Evaluation and Computer Simulation of Water Resources System in Intelligent City
	<i>Qian Cheng, Xiaolong Li</i>