CONFERENCE PROGRAM

2022 IEEE Conference on Telecommunications, Optics and Computer Science (TOCS 2022)

December 10-12, 2022 Dalian, China www.ictocs.com

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Program

December 10, 2022 10:00-17:00		Registration	
	Poster Presentation Session		
December 11-12, 2022	08:00-18:00	Poster Session 1, 2, 3 http://www.ictocs.com/posters.html	
Poster Session 1	· ·	09, TC018, TC031, TC038, TC060, TC070, TC082 15, TC121, TC139, TC145, TC162, TC172, TC186	
Poster Session 2		11, TC238, TC244, TC261, TC269, TC270, TC286 06, TC311, TC312, TC328, TC335, TC343, TC354	
Poster Session 3	· ·	64, TC372, TC377, TC383, TC395, TC400, TC407 24, TC433, TC449, TC452, TC466, TC472, TC489	
	Oral Pres	sentation Session	
December 11, 2022	08:00-12:00	Session A, Session B, Session C, Session D	
December 11, 2022	14:00-18:00	Session E, Session F, Session G, Session H	
December 12, 2022	08:00-12:00	Session I, Session J, Session K, Session L	
December 12, 2022	14:00-18:00	Session M, Session N, Session O, Session P	
Session A Meeting ID: 544-267-472	TC001, TC003, TC005, TC006, TC007, TC010, TC011, TC013 TC014, TC016, TC017, TC020, TC022, TC023, TC025, TC026		
Session B Meeting ID: 833-608-753	TC028, TC029, TC032, TC034, TC035, TC037, TC041, TC043 TC044, TC045, TC046, TC050, TC051, TC052, TC054, TC055		
Session C Meeting ID: 275-461-116 TC057, TC059, TC061, TC063, TC065, TC066, TC067, TC072, TC073, TC076, TC077, TC078, TC080, TC081, TC072, TC072, TC073, TC076, TC077, TC078, TC080, TC081, TC			
Session D Meeting ID: 775-527-715	TC085, TC086, TC088, TC089, TC090, TC093, TC096, TC097 TC099, TC100, TC101, TC103, TC104, TC105, TC107, TC108		
Session E Meeting ID: 685-740-602	TC111, TC112, TC116, TC117, TC119, TC123, TC125, TC126 TC128, TC130, TC132, TC133, TC134, TC136, TC138, TC141		
Session F Meeting ID: 248-964-730		44, TC149, TC150, TC153, TC154, TC155, TC157 60, TC161, TC163, TC165, TC166, TC167, TC170	

Session G Meeting ID: 850-714-360	TC173, TC175, TC176, TC177, TC179, TC180, TC182, TC185 TC188, TC190, TC191, TC193, TC195, TC196, TC198, TC200
Session H Meeting ID: 183-778-899	TC201, TC203, TC204, TC205, TC206, TC208, TC210, TC215 TC216, TC218, TC219, TC222, TC223, TC225, TC226, TC228
Session I Meeting ID: 587-760-088	TC230, TC231, TC234, TC235, TC237, TC239, TC240, TC243 TC245, TC246, TC249, TC251, TC253, TC254, TC256, TC257
Session J Meeting ID: 698-326-793	TC258, TC260, TC263, TC265, TC266, TC272, TC275, TC276 TC277, TC280, TC281, TC282, TC285, TC288, TC289, TC290
Session K Meeting ID: 125-536-829	TC295, TC296, TC297, TC298, TC300, TC301, TC303, TC304 TC305, TC307, TC309, TC310, TC314, TC315, TC317, TC318
Session L Meeting ID: 390-571-436	TC320, TC321, TC322, TC323, TC325, TC326, TC330, TC331 TC333, TC334, TC336, TC339, TC342, TC345, TC346, TC349
Session M Meeting ID: 613-698-766	TC350, TC351, TC355, TC357, TC358, TC361, TC362, TC366 TC367, TC369, TC370, TC373, TC375, TC380, TC381, TC385
Session N Meeting ID: 236-703-516	TC386, TC388, TC389, TC392, TC396, TC397, TC399, TC402 TC404, TC405, TC408, TC409, TC411, TC414, TC415, TC417
Session O Meeting ID: 323-356-961	TC419, TC422, TC425, TC426, TC430, TC434, TC436, TC437 TC440, TC441, TC444, TC445, TC450, TC451, TC455, TC456
Session P Meeting ID: 273-934-577	TC460, TC461, TC464, TC465, TC468, TC469, TC471, TC473 TC475, TC477, TC480, TC481, TC484, TC485, TC490

Oral Session A

TC001	Model for Single Image Enhancement Based on Adaptive Contrast Stretch and Multiband Fusion
	Gengchen Xu, Chao Zheng, Yilin Gu
TC003	Research on General Terminal of Intelligent Measurement and Control of Distribution Network Based on Open Architecture
	Xiaobing Xiao, Yongxiang Cai, Xiaomeng He, Yue Li, Yujie Ding, Ergang Zhao
TC005	MAT-GT: An Automated Ground Truth Collection Tool for Mobile Application Traffic
	Qingya Yang, Jialin Zhang, Junzheng Shi, Peipei Fu, Gang Xiong
TC006	Research on 5GC Cloud-Native Deployment Mechanism Based on Cloud-Edge Collaboration
1000	Yijun Cao, Peng Lv, Xiaojie Zhou, Yuting Wu, Shuo Quan, Zeya Zhu, Shen Gao
TC007	Classification of Schizophrenia Patients According to DNA Methylation Data Based on Meta-learning
1007	Qi Li, Haichun Liu, Lanzhen Li, Tao Chen, Qinting Zhang, Haozhe Li, Changchun Pan
TC010	A High-Sensitivity Single-Beam Triaxial Atomic Magnetometer Based on Optical Fiber Transmission
10010	Zinan Wu, Jialong Zhang, Mengyang He, Bokang Ren, Zilong Wang, Zhonghua Ou, Huimin Yue, Xiaojun Zhou, Yong Liu
TC011	Ultra-Wideband Terahertz Absorber Based on Graphene and Vanadium Dioxide
	Xingxin Cheng, Zigang Zhou, Yongjia Yang, Tao Liu, Hao Chen
TC013	Design and Implementation of Enterprise Resource Planning Management System
	Feiyan Zhang
TC014	Business Data Clustering Analysis of Power Internet of Things Platform Based on Improved K-Means
	Xian Luo, Rongtao Liao, Ronghao Yang, Dai Zhang, Xiangyu Yuan, Botao Wang
TC016	Research on Internet Corpus Collection Method
1010	Yuguang Wang, Hongzhi Yu

TC017	SOC Estimation of Lithium Batteries Based on Cluster-Growing Leaky Intergrator Echo State Network
	Zongqing Jing, Shuxian Lun, Chang Liu, Zhenduo Sun
TC020	Direct X-ray Photodetector Based on Polycrystalline CsCu2I3 Wafer Prepared by Compression Method
	Xiongsheng Fan, Peiqing Cai, Zugang Liu
TC022	Micro-Expression Recognition Based on Multi-task Learning and Resnet18
	Liangyu Fu, Qian Zhang, Rui Wang
TC023	AV-ITN: A Method of Multimodal Video Emotional Content Analysis
10025	Liangyu Fu, Qian Zhang, Rui Wang
TC025	Fine-Grained Micro-Expression Recognition Based on Hierarchical Attention Mechanism
	Liangyu Fu, Qian Zhang, Rui Wang
TC026	Design and Analysis of AWS Wireless Communication Equipment Model Based on PIFA Antenna
	Huanyu Sun, Junlin Pan, Jiemin Liu

Oral Session B

TC028	Intelligent Community Property Management System Based on J2EE
10028	Chun Liu
TC029	Optical Waveguide Mode Field Diameter Measurement Method Based on Near-field Fiber Probe End-face Scanning
	Meihua Xiang, Zhiyong Wang, Ziyan Li, Dengcai Yang, Gang Xiong
	WEB Security Protection Technology Based on Honeypot Technology
TC032	Ying Ling, Chunyan Yang, Xin Li, Dongmei Bin, Songming Han, Ming Xie
TC034	Parameter Identification of Stylized Free-lane-changing Bezier Model Based on Behavioral Clustering
10054	Huitong Fu, Zhichao Xing, Dong Cui, Xianming Meng, Hui Zhang, Jingyan Zhou, Zhonghao Ji
TC035	An Intelligent Monitoring System for Rice Seedling
	Xiaoyan Zhou, Lihua Zou, Xiaoyan Zhou

TC037	Data abnormal fluctuation detection and early warning
	Chunyi Xu, Xuechen Sun, Yitong Yan
TC041	Research on Computer Artificial Intelligence Ice and Snow Sports Tourism Route Optimization System
	Landong Xu
TC043	Research on the Planning of Civil Aviation Passenger Service Data Resource System
	Yaoshuai Zhao, Yi Liu, Di Feng, Xingguang Zhou, Ge Song
TC044	Study on the deployment method of public security electronic fence
10044	Dandan Ding, Fanliang Bu, Zhexin Hu
TC045	Research on Digital Twin Modeling and Operation Energy Efficiency Improvement System of Wind-Solar Storage Base
	Zhaogang Han, Jia Wu, Jian Li, Yaqiang Wang, Xuedong Hou
TC046	Systematic Analysis of Big Data Based Machine Learning Algorithms on Various Fields
10040	Yang Wang, Tianding Zhou, Chenglin Li, Zhixin Liu, Shichuang Zheng, Qingqing Liu
TC050	Multi-modal Object Tracking: Comparison and Prospective
TC050	Jike Lu
TC051	Simulation and Research of Liquid Level Cascade Control System
TC051	Xinhua Li, Qi Lu, Yanli Zhang
TC052	Optimization design of a new simulated projectile electromagnetic blocking device based on permanent magnet
	Jiahua Ma, Xiangyu Dong, Dawei Ma, Jie Ren
TC054	Application of VR technology in simulated attack training of armed helicopters
	Xiaoqin Liu, Xun Yan, Zhihu Ding, Jun Zhang
TCAFF	Mask Detection for Covid-19 under Extreme Conditions
TC055	Cheng Qin

Oral Session C

TC057	Identification of Crop Pests and Diseases Using a Single Convolutional Neural Network
	Siyu Yang
TC059	Application Research of Mechatronics System Based on Computer Artificial Intelligence Technology
	Yutian Xu, Hui Xu, Chuanqing Yao
TC061	Governance of Abnormal Data Acquisition and Recording through Operation and Distribution Based on Big Data
	Fuxin Li, Yingchun Yang, Houdong Xu, Faxian Zuo
TC063	Research on Abnormal Data Monitoring of Intelligent Vehicle Communication Network
	Min Li
TC065	Research on Network Information Security and Protection System Based on Computer Big Data
	Hongkai Chen, Zheng Xiao
TC066	Wide-area detection technology based on hybrid neighborhood search and improved genetic algorithm
	Changfeng Xia, Fuqiang Cheng, Guozheng Li, An Wang
TC067	Behavior Recognition of Substation Maintenance Personnel Based on Deep Learning
	Riquan Yao, Shaojun Jin, Yingqun Fei, Lifeng Fang
TC068	An Improved COSMIC Software Evaluation Method
1000	Fangxu Wang, Futan Ma, Guoxing Song, Jianqiang Zhang
TC072	Multi-hypothesis Data Association for Multiple Target Tracking
10072	Siying Liu, Haosen Pan, Long Xiao, Beining Zhang
TC073	A review of noise removal techniques in ECG signals
10073	Fengjun Shi
TC076	Verification and Analysis of Security Hardening Operating System for Smart Power Terminals
	Bin Xu, Feng Zhai, Baofeng Li, Yongfeng Cao, Chao Zhang, Qi Zhou

TC077	Research on Comprehensive Evaluation of Relay Protection Devices Based on Entropy–G1 Method and TOPSIS Method
	Junjie Zhang, Li Zhang, Xinzhuo Li
TC078	Systematic Research on Controllable Process Parameters of Second- Generation Resonant Pulse Repair Equipment
	Xiaoyan Qi, Fanmin Meng, Tao Wang, Qiming Wang, Xiaoyu Liu
TC080	Research on Portable Integrated System of Second Generation Resonant Pulse Repair Equipment
	Min Jiao, Xiaoyan Qi, Qiuhua Hou, Changlun Hu, Kang Li
TC081	Research on Resonant Composite Pulse Repair and Reuse Technology of Lead-Acid Battery Triggering Process in Substation
	Shengxia Zhao, Yan Liu, Xueting Wang
TC002	The Advance of Generative Model and Variational Autoencoder
TC083	Zhenhua Ren

Oral Session D

TC085	Research on the Application of Computer Artificial Intelligence Technology in the Digitalization of Modern Cities
	Binxi Wu
TC086	Application of 5G Private Network and Internet of Things in Smart Cold Chain Logistics Park
	Cong Cheng
TC088	A Lightweight Adaptive Attention Based Transportation Mode Detection Model Using Sensors Integrated in Smartphones
	Shan Xue, Yong Fang
TC089	Design and implementation of takeaway counter anti-theft system based on face recognition technology
	Yihui Wu, Jiayi Jiang, Lin Gao
TC090	Research on university fire equipment management system based on RFID technology
	Zirou Liu, Lin Zhu, Ting Jiang, Dezhi Qiu
TC093	Information Retrieval from Internet Data Using Textual Mining and Statistical Models for Stock Market Price Movement Prediction
	Baojia Huang, Liuyu Wang, Linghan Zhou

TC096	Multi-image fusion multi-modal rumor detection
	Huan Liu, Jinhui Li, Wenzhaoting Hu
TC097	Stock price prediction based on multifactorial linear models and machine learning approaches
	Guanlan Shao
TC099	Research on online detection method of HVDC circuit breaker
1 (1099	Dangguo Xu, Yamei Li, Shiyang Huang, Linru Ning, Yu Li
TC100	Research on Calibration Method Based on Structured Light Vision Measurement System
	Mao Zhiyong, Zhu Qing, Chen Jigang, Ni Bo, Zhang Minghua
TC101	Low-voltage topology identification method based on big data analysis and informatization
10101	Zhang Yuhong, Wang Shi, Ming Zhiyong, Wu Shouchang, Long Yan, Yao Linpeng
TC103	Research on Intelligent Network Operation Management System Based on Anomaly Detection and Time Series Forecasting Algorithms
	Jian Guo, Hua Guo, Zhong Zhang
TC104	Hyper-net: A Dual-Path Convolutional Network for Thyroid Fine Needle Aspiration Cell Segmentation
	Wenjie Ren, Yan Wang, Lili Gao, Qingli Li
TC105	English-Chinese Translation using Neural Machine Models
TC105	Qi Liu, Pengfei Ou
TC107	Measurement Research Based on Stereo Vision Fusion
	Xiaodong Chen, Shichong Chen, Yudong Zhang
TC108	An effective incomplete data fuzzy clustering method via attribute- weighted partial distance
	Jiayun Liu, Dexin Zhang, Jiapeng Chen

Oral Session E

TC111	Research on synthetic algorithm for simulating the situation of cyclists
ICIII	Beibei Wang, Kexin Zhou, Ziye Wang, Meng Bi

TC112	Construction of short-term stock price prediction algorithm based on MLP and CART Bagging ensemble learning
	Yuan Hua, Runde Zhu, Yanan Duan
TC116	Research on Contribution Analysis of Hubei Risk Big Data Based on RBF Neural Network
	Guizhong Sheng, Yunqi Yang
TC117	Research on Chinese synergies based on K-Means clustering algorithm and correspondence analysis
	Yunqi Yang, Guizhong Sheng
TC119	Simulation Research on Space Charge of High Voltage XLPE Cable under Different Working Conditions
	Yule Sun, Guolong Qiu, Zehong Yang
TC123	Precise subpixel edge localization based on partial area effect
10123	Yuyang He, Lu Li, Yuxin Yang, Shuo Yin, Yihong Zhu
TC125	A Feasibility Study of Microwave Metal and Dielectric Classification Based on Machine Learning Techniques
	Gengyang Qie, Lixinran Tang, Mingdong Li
TC126	Low-light image enhancement model based on improved SCT in indoor scenes
	Yuxiang Cheng, Chong Yang
TC128	Scheduling study of vascular robot ordering and biological learning based on mixed integer programming model
	Zhenan Ding, Chenyuan Jia, Jingyao Han
TC130	A fast incomplete data classification method based on representative points and K-nearest neighbors
	Donghe Chen, Ruolin Ma, Haijun Du
TC132	An Unsupervised GAN-based Quality-enhanced Medical Image Fusion Network
	Liu Yanli, Li Zimu, Feng Junce, Yuanjie Gu
TC133	Trading Method Based on ARIMA Model and Greedy Algorithm
10133	Zirui Wang
TC134	Study on the allocation of resources based on SD-MOP coupling model and genetic hybridization algorithm
	Shunyi Chen

TC136	Research based on "FAST" active reflector shape adjustment problem
	Xinyi Lin, Ruiting Hu, Wenjia Liu
TC138	Automatic segmentation and fitting of image edge contours based on Douglas algorithm
	Yu Cao, Maosong Wang
TC141	Demand Forecasting: From Machine Learning to Ensemble Learning
	Yang Zhang, Hongyi Zhu, Yujing Wang, Tianchen Li

Oral Session F

TC143	Short-term wind speed prediction method based on deep learning
	Peilong Guan
TC144	Nanolayered graphene-based tunable terahertz metasurfaces as polarization converters and beam deflectors
	Mingliang Xie, Yilin Jing, Yiyang Zheng
TC149	Markowitz Portfolio Model Based on LSTM
10149	Keyuan Ye
TC150	Application research of port cargo data system based on system dynamics model
	Yuxin Tian, Yu Bai, Zhongyuan Zhao
TC153	Knowledge graph technology based on Natural Language Processing and reinforcement learning e-commerce customer service
	Xiaochen Xiao
TC154	Research on station site planning based on combined intelligent algorithm
	Yan Fan, Qingding Tong, Aoshen Yang
TC155	Fire alarm model based on AHP and improved BP neural network
TC155	Yiming Han, Xiaomin Tang
TC157	Urban Road Passenger Interpretation Based on MLP and SHAP
10157	Dashuang Ji, Qianxin Dong, Yu Zhang
TC158	Medium and Long Term Carbon Emission Forecast Based on GM BP optimized by Beetle Antennae Search
	Xiaomin Tang

TC160	Parameter analysis model of ore product based on BP neural network
	Yuning Hong, Yuhao Zhao, Shuailong Lei
TC161	Research on the control system of intelligent epidemic prevention robot based on microcontroller
	Xiaying Ji, Xin Qiu, Minyan Geng
TC163	Research and analysis of base station optimal location model based on cluster analysis
	Mingyue Liu, Zhitao Wang, Hengrui Zhu, Xumin Song
TC165	Short-term Electricity Price Prediction Based on CEEMD-TCN-ATTENTION
	Chenyu Yan, Chaochao Qu, Gao Mo
TPC1//	Bumblebee recognition and analysis model based on CNN
TC166	Xiaochen Xiao
TC167	A framework for predicting the location of Vespa mandarinia nests via deep learning approach
	Wu Guangnan, Wang Zhenyou
TC170	Computer Big Data Analysis Internet Business Risk Prevention System Research
101/0	Jun Mu, Wei Zhao, Chenfei Wang, Shuo Zhang, Yintie Zhang, Guangming Fan

Oral Session G

TC173	Security Measurement and Protection Technology Based on Power Internet of Things Terminal
	Caiwei Guo, Yuxiang Cai, Wen Ji, Qimin Xiao, Shulin Wu, Weitao Zheng, Wei Zhou, Taining Huang, Jianxiong Huang
TC175	Temporal-Spatial Mapping Model Based on Hidden Markov Model
	Zhiyuan He, Weitao Zheng, Yuxiang Cai
TC176	Cloud Computing in Real-time Alarm Information Push of DingTalk Platform
	Helin Zhang, Meiling Jiang, Dongying Gao, Dewei Lin, Ning Ding, Zhiwei Zheng, Haosong Sun
TC177	Monitoring Information of Multi-type Energy Equipment in Smart Energy System Based on CPLD
	Chen Ran, Weng Lingwen, Chen Weibiao, Wu Xi, Pan Jianli, Lin Jianhua

TC179	New Energy Operation Platform Monitoring Data Verification Method Based on Correlation Analysis Algorithm
	Lin Dewei, Sun Haosong, Lin Chenhan, Ding Ning, Weng Binxin, Li Jinhu
TC180	High-Speed Retrieval Method for Unstructured Big Data Platform Based on K-Ary Search Tree Algorithm
	Zhang Helin, Jiang Meiling, Wang Yiting, Zhang Hang, Liao Huadong, Chen Anqing
TC182	Charging Pile Control System and Material Management Platform Based on Internet of Things Technology
	Li Qiang, Li Wenjing, Liu Zhu, Deng Huixian, Weng Zhangjun
TC185	Power Equipment Fault Diagnosis and Prediction Based on Improved ID3 Algorithm and Apriori Association Rule Algorithm
	Sun Haosong, Gao Dongying, Zhang Hang, Zhang Helin, Li Jinze
TC188	Research on Regional Integrated Energy Cluster Management and Control Technology
	Jiangjing Wang, Jiaqing Ye, Jie Xu, Jianli Yang
TC190	Research on Simulation Model of Self-consistent Power Supply System for Independent Micro-grid
	Yueyan Ren
TC191	Design of Intelligent System for Solidification Processing of Engineering Mud Based on Data Mining Algorithm
	Wei Xiang
TC193	Chinese Sentiment Analysis Using Deep Learning Methods
10193	Yushi Wang
TC195	Research on the Construction System of Computer Big Data in the Community Integrated Garbage Classification AI Image Recognition Platform
	Lijun Fu
TC196	Substation intelligent security management and control practice based on artificial intelligence and big data analysis
	Xinzhuo Li, Li Zhang, Junjie Zhang, Xianyue Luo
TC198	TAMU-Net: A Tree Attributes Measurement Method Combined with UNet++
	Yulin Shen, Chaoyan Zeng, Chenyang Lei

TC200	IT Automatic Operation and Maintenance Service System Based on SaaS Architecture
	Zheng Zhiwei, Sun Haosong, Gao Dongying, Huang Fangfang, Lei Qinghai, Cui Chuanjian

Oral Session H

TC201	GRU-GAT Model for Blockchain Bitcoin Abnormal Transaction Detection
	Yang Zheng
TC203	Application Research of Computer AI Technology in Flat Landscape Garden Design System
	Xun Zhou, Li Bi
TC204	Application Research of Computer 3D Visualization View Technology in Environmental Design System
	Xun Zhou, Li Bi
TC205	Cardiopulmonary Function Detection System of Aerobic Exercise Based on Machine Learning Algorithm
	Xiaobao Zhang, Wenhui Tan
TC206	Research and design of a customized route recommendation system for social entrepreneurship education based on collaborative filtering algorithm
	Zhongfeng Pan, Hao Wang, Xiaohan Zhang
TC208	Application Research of Computer Big Data Technology in Enterprise Safety Production Portrait Information System
	Yang Zhengwei, Qin Jie, Zhang Yongqiao, Wu Song, Zhang Lei
TC210	Application of improved generalized predictive control for frequency control in ultrasound therapy instruments
	Fenghua Shu, Jingwen Yang
TC215	Research on the Application of Computer Machine Vision Technology in the Electrical Automation of New Energy Vehicles
	Zikun Jin, Hongfeng Song
TC216	Forest fire smoke recognition and detection based on EfficientNet
1 (210	Yutong Li

TC218	Design of a human-robot interaction system for robot teleoperation based on digital twinning
	Ruishuo Xu, Weijun Wang, Wei Feng, Zhaokun Zhou, Boyoung An, Ruizhen Gao, Kaichen Zhou
TC219	Frabirc-based Consortium Chain Secondary Certificate Improvement Scheme
	Xie Jiagui, Nie Fanjie, Zhang Bo, Guo Jian
TC222	Stock Investment and Trading Strategy Model Based on Autoregressive Integrated Moving Average
	Litao Liu
TC223	Design of Control System for Material-sorting Arm Based on PLC
10223	Zhihong Zhou, Qichang Zhou
TC225	Robot locomotions in complex terrains
10225	Liangzheng (David) Liu
TC226	Application of Artificial Intelligence in Playing Cards
	Qiyue Chen
TC228	Exploration and Practice of Industrial Internet Platform in Manufacturing Industry
	Yaqi Cao, Changming Hu, Yaguang Xie, Zhanying Feng

Oral Session I

TC230	TrustGNN: Enhancing GNN via Multi-similarity Neighbors Identifying for Social Recommendation
	Qi Han
TC221	Based on D-S Evidence Theory to Calculate Pipeline Failure Probability
TC231	Xiao Li, Jiyin Liu, Hu Ai, Jie Wang
TIC224	A survey of phishing detection: from an intelligent countermeasures view
TC234	Yifei Wang
	Research on Multi-source Exploration Data Modeling Technology and
TC235	Data Processing
	Youping Wu
TC237	The optimized designs and implements of the work paraboloid of FAST
	Runhao Liu, Wenjie Guo, Yukun Qin, Shuo Ma, Ziming Chen, Tianjun Xie, Zhengwei Hai

TC239	Organizational Behavior Management System Based on Multi-Agent Algorithm
	Zhiru Wei
TC240	Design and Implementation of Cultural Communication Platform Based on Intelligent Optimization Algorithm
	Xiaoli Wu
TC243	Multi-Time Scale Low-Carbon Optimization of IES Considering Demand Response of Multi-Energy
10210	Fan Caixiong, Zhao Wenqiang, Xu Jiawei, Wang Zhengwei, Zhou Jun, Shi Shengchao
TC245	Ecological Intelligent System of Short Video Cultural Industry Based on Neural Network Algorithm
	Liyuan Huang
TC246	Application Research of Image Feature Recognition Algorithm in Visual Image Recognition
	Wenjie Yu, Jing Peng, Jian Li, Yanjie Deng, Hai'an Li
TC249	Design and Implementation of Digital Information Platform for Home- based Elderly Care Services
	Lili Zhu, Tao Pang
TC251	Deep Learning Models for Text Classification
10201	Boran Liu, Yikai Wang
TC253	Image Classification Using the Method of Convolutional Neural Networks
	Kaixin Huang
TI CO T 4	Smart Grid Oriented Service Function Chain Deployment Method
TC254	Huiping Meng, Jizhao Lu, Feng Gao, Ruimin Wang, Shibo Li, Zihao Wang, Zhiyuan An
TC256	Detection and localization of power theft based on CNN-LSTM algorithm
	Chao Jiang, Yukun Xu, Jianfeng Jiang, Zhijing Zhang
TC257	Dynamic Optimal Dispatch Strategy of Integrated Energy System Considering Translatable Loads
10231	Fan Caixiong, Lei Guobin, Wang Zhengwei, Zhou Jun, Ma Runsheng, Qi Fuzhi

Oral Session J

TC258	Research on Motor Drive Control Strategy of Electric Vehicle
	Ziqi Shen, Zhenpeng Luo, Siqing Zhang, Shuyu Wang
TC260	Comparative Analysis of Positioning Capability of Beidou and GPS in Maritime Islands
	Yuan He
TC263	Sound anomaly detection of industrial products based on MFCC fusion short-time energy feature extraction
	Fan Hua, Li Li
TC265	Research on the Application of Computer Software Encryption Technology in Digital System
	Zhijian Zhao
TC266	The Image Recognition of Guns and Knives Based on Deep Learning of Tensorflow
	Rui Pang
TC272	Control strategy research of hybrid energy storage system to smooth out PV fluctuations
102/2	Kun Wang, Sen Wang, Guochao Yang, Xueming Zhao, Li Zhang, Qian Nie, Zhiyong Gan, Yan Qi
TC275	Design of Intelligent Air Quality Online Monitoring Trolley Based on STM32 MCU
	Zhihong Zhou, Linlin Li, Qichang Zhou
TC276	Dynamic Path Planning for Parking Lot Based on Carbon Emission Optimization
	Yuqing Tao
TC277	Research on single-cell segmentation and identification based on image features fusion
10277	Lihui Ren, Hongyan Wu, Yuxin Sun, Lijun Sun, Jinjia Guo, Qi Wang, Huilan Yu, Yuan Lu
TC280	A Hand Gesture Detection Algorithm and Quantization Implementation
10200	Bin Ma, Xianxian Lv, Yueli Hu
TC281	Research on communication network site planning and regional clustering algorithm
	Wenjuan Yang, Chenyu Sun

TC282	Research and design of intelligent parking management system based on UML technology
	Li Lyu, Ningning Fan
TC285	A yield prediction and optimization method based on nonparametric boundary analysis
	Huatong Zheng, Lei Zhou
TC288	Adaptive Inversion Sliding Mode Control of Double-joint Manipulator Based on Nonlinear Disturbance Observer
	Hongwang Zhao
TC289	Prediction of Drug-Target Interaction Based on Multi-Head Self- Attention
	Xin Ma, Yujing Cheng
TC290	Design and Realization of University Discipline Archives Management System Based on Data Mining Technology
	Wang Chunxia, Yang Xinbao

Oral Session K

TC295	Big Data Analysis and Calculation on Occupant Protection Based on Intelligent Sled Test System in Passenger Car
	Wu Yongqiang, Liu Manli, Chen Chao
TC296	A velocity planning algorithm of high speed dispensing based on wavelet transform optimization
	Weiming Yang, Yong Zhang
TC297	Research on Intelligent Tourism System of 5A-Level Tourist Attractions Based on Computer Big Data
	Du Lili, Lu Youlan
TC298	Advances of Gate Stack Technology in MOSFETs
1 C 298	Lefu Xie
TC300	Application research of 3D geological modeling based on discrete smooth interpolation
10300	Tian Longqiang, Zeng Qingqiang, Liu Liling, Wang Yanbing, Tu Xinbin, Jin Yongjun, Chen Qingwei
TC301	Key Technologies of Electricity Information Collection System
10301	Caixia Zhang, Xinyu Li, Zhu Tang, Peng Wang, Nan Xu

TC303	Research on stock quantitative investment strategy based on ARIMA-GARCH-MLP Model
	Yutong Sun, Tianjia Dong, Bing Shan
TC304	Design of Power Quality Analyzer Based on Virtual Instrument
	Yujin Zhu, Xin Hu, Yuchong Zhu, Yang Geng
TC305	Electricity price prediction based on a new hybrid model
10303	Shan Zhang, Powei Chen, Ziqiang Yang
TC307	Research on optimal configuration of UAV for rapid response to wildfire based on ant colony algorithm and terrain complexity model
	Shihan Chen, Jialu Ma
TC309	Research on optimal location of network base stations based on establishing 0–1 dynamic programming
	Chenyuan Jia, Jiawen Liang, Jingyao Han
TC310	CInet:Towards Precise Flame and Smoke Detection with Grid Partition Adopting Context and Interior Paths
	Mingqi Yang, Dingke Zhang, Wenxia Yang
TC314	Mass Appraisal of Real Estate Prices Using Improved BP Neural Network with Policy Evaluation
	Yikai Zheng, Bohan Yang, Ruichen Zhang, Zhixin Bai, Yu Sun
TC315	K-mean clustering algorithm and particle swarm algorithm based on base station siting optimization problem
	Ziyao Zhu, Yueyao Li, Yan Guo, Zixuan Zhou, Ziyu Liu
TC217	Wind Speed Prediction Based on Gate Recurrent Unit
TC317	Yiliu Sun, Jie Wang
TC318	Research on the Best Riding Strategy
	Zhenhui Duan, Hexuan Wu, Yuanze Luo, Jin Yan

Oral Session L

TC320	Designing the intelligent epidemic control robot control system for epidemic prevention and control
	Shuhan Wang, Mingliang Xie, Ji Feng

TC321	Urban Highway Freight Volume Prediction Based on the BP Neural Network
	Xiaoshuang Ji, Shengyu Feng, Haobo Ma
TC322	Study on Microwave Food Contamination Examination Based on Machine Learning Approach
	Yidan Qiao, Shikai Wu, Jinsong Wang
TC323	Quantitative investment decision model based on ARIMA and iterative neural network
10323	Naihan Han, Shuo Zhang, Hexiao Wang, Zhihao Chen, Xiaolong Hou, Zhijie Sun
TC325	Optimization of Network Base Station Location Based on Immune Algorithm
	Jiyuan Song, Zhong Wang
TC326	Design and research on business processor of electricity consumption information collection system
	Caixia Zhang, Jun Sun, Yuhang Xiao, Chun Guo, Xu Dong
TC330	Research on 5G communication station location planning and regional clustering based on K-medoids and DBSCAN algorithm
	Rong Guo, Jinsong Zhang
TC331	Structural design and research of underwater inspection robot for nuclear power plant
	Jianhua Zhou, Jianpeng Fu, Ruitang Pan, Guangzheng Tian, Yujun Li
TC333	Design of underwater mobile platform suitable for nuclear reactor environment
	Jianhua Zhou, Fuhu Xiao, Jun Liu, Guangzheng Tian, Jianpeng Fu
TC334	Research and Application Status of Distribution Network Grid
10334	Rui Fan
	Design of an aperture measuring device for nuclear power plant
TC336	Guangzheng Tian, Shuai Shao, Guangfeng Li, Jianhua Zhou, Jianpeng Fu
TC339	Flatness Error Evaluation Based on Marine Predator Algorithm
10337	Liu Changying, Yang Yuanyuan, Hou Yuguang, An Bowen

TC342	SVR Modeling and Parameter Optimization for Financial Time Series Forecasting
	Dahai Huang
TC345	Key Technology of Passive Wireless Temperature Measurement of Power High-Voltage Switchgear Based on Wireless Sensor Network
	Junguang Gao, Hong Chen, Wei Liu, Bin Cheng, Chengtao Zhang
TC346	Integrated Forecast of Financial Time Series Data Based on Deep Learning Model
	Yingjie Ma
TC349	Chinese herbal recognition by Spatial-/Channel-wise attention
	Nan Wu, Jie Lou, Juan Lv, Feihan Liu, Xingjiao Wu

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TC350	A Forecasting Method for User-Side Power-Related Carbon Emissions
	Zhang Lu, Yan Jiahui, Wang Liyong, Li Xianglong, Wang Weixian, Ma Longfei
TC351	Study on site selection of long-term electromagnetic environment observation station for ac transmission lines in qinghai-tibet plateau
	Zhenhuan Liu, Wan Hao, Rui Huang
TC355	Exploring the Role of PWV in Rainfall Time Series Prediction in Deep Learning
	Shenzheng Zuo, Lingzhi Liu, Yan Wang
TC357	Prediction of 5th Generation Mobile Users Traffic Based on Multiple Machine Learning Models
	Su Caiyu, Wei Jinri, Dong Jie, Wu Shanyun
TC250	Vehicle Price Forecasting Based on Multiple Machine Learning Models
TC358	Zhongwei Chen, Xiaofeng Li
TC361	A Brief Review and Comparison Between Transmitarray Antennas, Reflectarray Antennas and Reconfigurable Intelligent Surfaces
	Zhiwei Fu, Xiaopeng Zou, Yunqi Liao, Guoming Lai, Yuzhong Li, Kwok L. Chung
	Buckwheat Grain Image Segmentation Based on U-Net Model
TC362	Bo Wang, Shaozhong Lv, Nan Zhou, Xinyu Wang, Zhengbing Xiong, Xiaohua Sun

TC366	Trajectory Prediction Method of Millimeter-Wave Radar Based on Markov Model for Roadside Installation Scenario
	Baidong Ma, Haiqing Liu, Hai'en Fang
TC367	A GA-BP Neural Network Model for Students Examination Score Prediction
	Chen Mei
TC369	A Blockchain Distributed Computing Resource Scheduling Balancing Method Based on Variance Ratio
	Xiaofeng Chen, Xiangjuan Jia, Lu Zhang, Liang Cai
TC370	Optimization of Blockchain Storage Architecture Based on Voronoi Diagram
	Xiaofeng Chen, Xiangjuan Jia, Lu Zhang, Liang Cai
TC373	Design and Implementation of Cross-Platform Well Site Integrated Monitoring and Management System Based on HTML5
	Yang Cao, Fangzi Cui, Baofeng Zheng, Zhenlin Fan
TC375	Multi Optical Axis Parallelism Detection Method for Multiple UAVs Based on Multi-Sensor Data Fusion
	Xin Zhao, Xuebin Liu, Fuli Qi, Ping Yan, Ling Yang
TC380	A Lightweight Risk Advertising Image Detection Method Based on Mobile-ViT
	Hui Tong, Tian Peng, Xiangyao Jiang
TC381	Portable Air-fuel Ratio Analyzer Based on UEGO Sensor
10361	Xuehui Hua, Junli Zhao
	Model of Pollution Source Information Recommendation
TC385	Lina Wang, Qiuyue Zhang, Qingyi Li, Chuan Geng, Yitong Wang, Yongqiang Pan

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TC386	Estimation on Audience Status in Teaching Scene Based on Improved SSD Algorithm
	Siquan Hu, Pei Wang, Zhiguo Shi
TC388	Planning and design of wifi-based university wireless networks
	Mingwen Chi, Xiaoming Zhang

TC389	Construction of Ocean Information Network with All Time, Space and Elements
	Zhiqiang Xu
TC392	A Security Enhancement Design of Video Surveillance System Based on TPM
	Wu Zhao, Xiarun Chen, Jiayi Zhang, Xiudong Fu
TC396	Research on Athlete Performance Prediction Model Based on Recurrent Neural Network
	Ying Zhang
TI C 2 0 =	Design of Gesture Recognition System Based on Deep Learning
TC397	Wu Zhisong, Huang Shiyang, Feng Yebin, Hu Anming
TC399	Part-of-Speech Tagging of English-Translation Bilingual Parallel Corpus Based on Convolutional Neural Network
	Xiuli Gou, Rui Li, Peng Zhang
TC402	Construction of manufacturing green innovation system based on big data and artificial intelligence
	Yuanyuan Li, Dechao Han
TC404	Systematic Research on Marketing Based on Computer Big Data
1 C404	Le Zhang
TC405	Research Advanced in Deep Learning Object Detection
10405	Mingzhe Zhou
TC408	Text Classification Using Deep Learning Methods
10400	Chi Zhang
TC400	Confrontation with Noise in Selective Classification
TC409	Haobo Xu
TC411	GBCD: A Granular-ball Based Discretization Method for Continuous Valued Attributes
	Weiqi Chen, Shuyin Xia, Cheng Wang, Zizhong Chen, Guoyin Wang
TC414	Design and Application of Joint Approval Module for Industry Expansion Scheme Based on State Grid OA system
	Hailong Wang, Xinlei Huang, Hesen Wang, Beiyuan Fu, Cheng Wei

TC415	Application Research in Computer Design System Based on 3D High- Definition Image Visual Communication
	Zimo Chen
TC417	Computer Graphics Image and Visual Communication Design Model in Computer VR Environment
	Zimo Chen

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TC419	Safety Detection and Evaluation Method of Pressure Vessel Use Based on Multiple Regression Algorithm
	Guiqian Wang
TC422	Research on Optimization of Customized Bus Dispatching by Genetic Algorithm and Intelligent Information System
10422	Wen Shao, Baizheng Wang, Yanyan Han, Xiong Zhao, Qiang Zhang, Yihong Qin
TC425	The Application of Unmanned Aerial Vehicles Data Communication in Agriculture
	Guanlin Ji, Chen Shi, Mingtao Xue
TC426	Measurement and Analysis of Vibration Characteristic of 1000kV Reactor tank
	Jingzhu Hu, Diandian Tang, Jingli Ren, Jiangong Zhang
TC430	Research on the Application of Portable X-ray Backscatter Imaging Technology in the Field of Non-destructive Testing of Crimped Power Fittings
	Hongyu Ni, Su Huang, Wuhao Huang, Zhimin Wu, Chengbin He, Wenhuan Zhu
TC434	Reliability evaluation of radar equipment based on improved IAHP grey target model
	Zhai Yun, Hu Bing, Shi Duanyang
TC436	Design of Intelligent Lock Based on Face Recognition
10430	Hui Li, Lei Zhu, Shijie Sun, Ke Xie, Jiabing Wang, Dong Liang
TC437	Heterologous Optical Remote Sensing Image Matching Method Based on Road a Priori
	Jiawei Zhao, Yongfei Li, Dongfang Yang, Peng Xiao

TC440	Research on Construction of Armament Knowledge Graph by Prot & é
10440	Qu Hui
TC441	Eye-Blink Detection under Low-Light Conditions Based on Zero-DCE
10441	Xiaolin Zhou
TC444	Research on the Application of Computer Network Technology in New Media Communication
	Mi Zhou
TC445	A Robust and Efficient Path Planning System Based on the Global Euclidean Distance Fields
	Hanxiong Zhou, Xiaoli Zhang, Xiafu Peng
TC450	Learning Emotion Representations on a Manifold
10450	Qingfeng Zou
TC451	An efficient deep learning algorithm for predicting market trends using cyclic long short-term memory network
	Yao Qinghua, Zhang Wentao
TC455	Design of Customization Intelligent Management System for Whole House Home Based on SSH and Internet
	Zhou Linzhi, Fang Cheng
TC456	Named Entity Recognition Method for CNC Machine Tool Design Knowledge Text
	Hao Liu

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TC460	Research on Optimization of Enterprise Financial Management System Based on Big Data Hadoop
	Yue Chang, Juan Wang
TC461	Research on remote intelligent monitoring system based on MQTT and LoRa communication for the five-axis NC machine tool
	Lei Xie, Bing Xie, Yuming Qi
TC464	Research on key technologies of power grid operation resource allocation based on Internet of Things
	Riquan Yao, Shaojun Jin, Yingqun Fei, Lifeng Fang

TC465	Research Advanced in Image Denoising Based on Deep Learning
	Feiyang Huang, Yamin Jia, Yuxuan Yang
TC468	Research on the Automation System of the Intelligent Analysis and Evaluation Platform for Distribution Network Changes
	Lei Chen, Ming Tan, Tao Xu
TC469	Research on Network Security Protection System Based on Computer Big Data Era
	Xiuyun Lu, Wenxing Zhao, Yuquan Zhu
TC471	Neural network-based bipartite consensus tracking control of multi- agent systems with model uncertainties and unknown disturbances
	Erfan Dou
	A Review of Sparrow Search Algorithms
TC473	Shaoqiang Yan, Weidong Liu, Xinqi Li, Ping Yang, Fengxuan Wu, Zhe Yan
TC475	A music recommendation system based on collaborative filtering and SVD
	Yuchang Chen
TC477	Deep Convolutional Neural Networks for Cancer Detection: Faster R-CNN, U-Net and GoogLeNet
	Zirui He, Zeyan Liu, Bowen Wu
TC480	CDAE-C: A Fully Convolutional Denoising Auto-Encoder with 2.5D Convolutional Classifier
	Haolan Zuo
TC481	Handwritten Digit Recognition using Deep Learning Networks
10461	Shiying Yu, Jinmei Liu, Hang Shu, Zhiwei Cheng
TC484	Machine Learning Methods for Crime Scene Prediction
10404	Yue Hu
TC485	Research on Loss Reduction and Energy Saving System of Distribution Network under Computer Big Data Technology
	Wenbo Cai
TC490	Image steganalysis method based on integrated GoogleNet
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TC002	Sub-pixel edge extraction method based on sub-pixel edge detection model
	Yu Cao, Maosong Wang
TC009	Integrated Planning & Scheduling Model and Optimization Simulation of Multi-base Collaborative Manufacturing for Cement Industry
	Xiaoxue Shang, Changchun Pan
TC018	An Optically Transparent Dipole Antenna Based on Silver Nanowire- Graphene Hybrid Conductive Film
1000	Youmei Tang, Lusong Wei, Weijia Wang, Qinghai Zhu, Yuhan Kong, Peng Ye, Jiangtao Huangfu, Mingsheng Xu
TC031	Financial Indicator System Based on Data Mining Algorithm
10031	Jianing Liu
TC038	Research on the Application of Human Resources Information Management System under Computer Big Data Technology
	Lina Zhang
TC060	A new method of grid image perspective rectification
1000	Jiajie Yao, Junjun Tao, Ye Tao
TC070	Research on the Teaching Mode of Information Visualization Course for Visual Communication Design Major Based on Artificial Intelligence Technology
	Xiaohuan Liu
TC082	Research on Intelligent System of Composite Resonant Pulse Battery Repair Equipment
	Xiaoqing Tang, Yaolin Zhao, Zhoufang Zhao
TC092	Consensus in Multi-agent Systems and its Application in Platooning
10092	Xia Pan, Bo Yu, Yunzhi Wang, Zengxi Wang
TC115	Neural Network Simulation and LSTM-based Study of Expected Return
10113	Miaorun Lin
TC121	Visual aided training of billiards based on depth estimation
10121	Jiyuan Fu, Weining Wang, Lechang Chang

TC139	Site planning of mobile communication network based on heuristic algorithm and K-means clustering analysis
	Cheng Huang, Jia Zhao, Sinan Peng, Jin Xu
TC145	A Data-Driven Soft Sensor Based on CVA-DTR Model for Tennessee- Eastman Process
	Yubo Dong, Zichen Zhang, Weixun Liu
TC162	Evaluation of fire detectors based on the topsis method
	Yulin Lu, Yan Xiao
TC172	Research on Different Levels of Early Warning Systems for Power Internet Application Business
	Xusheng Liu, Yintie Zhang, Yongbo Ma, Ling Wang, Yifan Liu, Guangming Fan, Xin Chen, Jiajia Zhu
TC186	Speech noise reduction system based on combined filter
	Ruoting Liu

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TC192	Lesion region recognition of lung cancer pathology based on the Inception-V4 model
	Hao Peng, Yuming Qin, Ruxiao Xing
TC211	Closed-loop control design of intermediate frequency modulated lower limb rehabilitation electrical stimulation system based on NARMAX model
	Jingwen Yang, Fenghua Shu
TC229	Application of Deep Learning Algorithm Based on Neural Network
TC238	Bo Wang, Xianglin Miao, Mingyang Jiang, Chengyu Yin, Chunxin Pu
TC244	Digital Marketing Technology Based on Electricity User Portrait and K-means Clustering Algorithm
	Rui Fan, Zhixin Jing, Dehua Guo
TC261	Intelligent System of Lightning Monitoring and Defense Based on Intelligent Algorithm
	Zhaoyang Deng, Haihua Liu
TC269	Design of High Dynamic Composite Detector Based on Rotating Stable Projectile
	Zhang Hang, Yin Ximei, Xue Song, Wu Hao

TC270	Intelligent Dosing Method for Water Treatment Based on Data Mining Combined with Image Recognition and Self-Learning
	Xuewen Xiao, Shuyang Pang, Fenghua Tong, Shangwei Mao, Yujia Liu, Bing Tang, Hongsheng Jia, Hao Wang, Yijie Du
TC286	A review of motion control methods and bionic control theory for quadruped robots
	Liang Zhaoxi
TC293	Research on Computer Image Recognition and Intelligent Analysis Technology of Water and Land Painting Clothing
	Niu Meng, Tan Tianyu, Zhang Mingming
TC306	Shape adjustment of ''fast'' reflector based on dimension reduction and Monte Carlo simulation
	Zhiwen Mao, Zeling Ma, Bingxuan Yu, Yingtao Chen
TC311	Particle swarm algorithm-based analysis of signal base station siting and signal coverage problems
	Jisheng Li, Xun Luo
TC312	Research on the Shape Adjustment Strategy of FAST Active Reflector Based on Physical Mathematical Methods
	Xingchen Liu, Yuzhi Li, Pengfei Luo
TC328	Study on the effect of bubble motion characteristics on insulation performance of transformer oil based on COMSOL Multiphysics
	Qu Chen, Shuang Tang, Kaikai Liu
TC335	Analysis of Fire Line Vibration and Realization on Motion Prediction Gate
	Liu Jinsuo, Tian Xingke, Qin Shumin, Yang Shuo, Zhang Guangxiang
TC343	A baas platform for cross-chain cloud management service system of consortium blockchain
10040	Ran Chen, Junwei Bao, Xiaoping Qiao, Yongchao Fu, Huifen Li, Senlin Guo
TC354	The Research on Material Properties Database System Based on Network Sharing
10334	Cuifang Zheng, Jiaju Wu, Linggang Kong, Shijia Kang, Zheng Cheng, Bin Luo

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TC360	Research on Academic Early Warning Model Based on Improved SVM Algorithm
	Jing Dong, Xinsheng Liu, Zhanglong Wang, Long Chen, Fan Wang, Jiaying Tang
TC364	Research on intelligent control technology of the hot in-place recycling of asphalt pavement
	Mingyue Zhang, Wei An, Kuhang Cheng, Peng Zhang, Shasha Chen
TC372	Design of Height and Weight Measuring Instrument Based on STM32
TC372	Nie Xiaojing, Zheng Yuqing, Zheng Zhongjun
TC377	Research on Remote Sensing Image Target Detection Algorithm Based on Optical Measurement Information
	Yuhan Wang
TC383	Model of Pollution Information Based on Collaborative Filtering Algorithm
10000	Lina Wang, Qiuyue Zhang, Qingyi Li, Chuan Geng, Yitong Wang, Yongqiang Pan
TC395	Pivot-based Unsupervised Domain Adaptation for Pre-trained Language Model
	Zhang Pengyu, Zhang Wenkang, Xing Zhiqiang
TC400	Fuzzy C-means Clustering Algorithm and Its Application in Mental Health Intelligent Evaluation System
	Shan Hu
TC407	Research on College Counselor Training System Based on Computer Virtual Reality Technology
	Xin Zeng, Lin Deng
TC413	Study on Expansion Potential User Identification Method Based on Data Mining
	Yongjun Feng, Xinlei Huang, Guanlong Li, Xiaoyun Chen, Min Zhu
	Research on Designing Outdoor Microphone Protection Structure
TC424	Lu Ling, Wan Tao, Zhou Zhou, Cao Hao, Hu Sheng, Chen Wei, Zhou Weihua
TC433	Research on a non-stop replacement technology of electric energy meter connected with standard meter
	Yu Xing, Yanling Sun, Xianguang Dong, Xiaohui Zhai, Kai Sun

TC449	Deep Neural Networks for Fake News Detection
	Xun Xu
TC452	An advanced algorithm for discrimination prevention in data mining
	Shuoyu Wang, Jie Ren, Hao Fang, Jun Pan, Xin Hu, Tingyun Zhao
TC466	Design and Research of Intelligent Bluetooth Circuit Breaker Detection Device
	Hua Shen, Lei Yu, Haohan Zhen, Tao Tong, Shengfei Tang, Dongjun Han, Hailiang Yu
TC472	A Measurement Method of Broken Cable Detection in Packing Station Based on YoloV5-Oriented
	Xuewen Xiao, Jiaming Song, Ling Tan, Jingsheng Liu, Shuyang Pang, Xiaohui Zhang
TC489	Research on the Application of Computer Vision Image Enhancement Technology in Wetland Landscape Display System
	Muwen Li, Sirong Liu