2024 China Automation Congress (CAC 2024)

Qingdao, China **1-3 November 2024**

Pages 1-739



IEEE Catalog Number: CFP2485U-POD **ISBN:**

979-8-3503-6861-1

Copyright © 2024 by the Institute of Electrical and Electronics Engineers, Inc. All Rights Reserved

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

*** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.

IEEE Catalog Number:	CFP2485U-POD
ISBN (Print-On-Demand):	979-8-3503-6861-1
ISBN (Online):	979-8-3503-6860-4
ISSN:	2688-092X

Additional Copies of This Publication Are Available From:

Curran Associates, Inc 57 Morehouse Lane Red Hook, NY 12571 USA Phone: (845) 758-0400 Fax: (845) 758-2633 E-mail: curran@proceedings.com Web: www.proceedings.com



Table of Contents

Tenacity prediction of polyester materials based on an ensemble soft measurement model, pp.1-6 Jiaxu Duan,Jun Wang,Youji Tao,Zhiping Ma,Xin Wu,Zhou Hu

An IGD+ Indicator-based Metric for Interactive Evolutionary Multi-objective Optimization algorithms, pp.7-12 Hao Tian,Fei Li,Baiyu Zhou,Yujie Yang,Xun Huang

Grasp trajectory planning for vehicle-mounted robotic arm based on improved DDPG algorithm., pp.13-18 Linbing Ke

Exponential and Finite-Time Consensus of Multiagent Systems Via Curve Suppression Method, pp.19-24 Jiazhong Hu,Yufeng Zhou,Li Chai

A Complementary Binary Code Phase-Shifting Profilometry, pp.25-30 Shuhuan Han,Yanxi Yang,Xinjie Li,Xinyu Zhang,Xubo Zhao

Dynamic hybrid temporal attention with attention on attention for the capacity vehicle routing problem, pp.31-36 Yang xiao-xiao,Chen zhi-bin

Research on Path Planning for Unmanned Charging Vehicles Based on Improved A* algorithm, pp.37-43 Haoran Hu,Jie Fang,Huifang Bao,Jinsi Zhang

Multi-agent distributed collaborative tracking control based on LQR under measurement constraints, pp.44-49 Yuhua Ben

Finite-time Observer Based Motion Vector Control For Air Cushion Vehicle With Drift Phenomenon, pp.50-55 Wenlong Guo,Shuang Gao,Wenqian Zha,Yulong Tuo,Shasha Wang

Robust tracking control of UPQC with integrated harmonic estimation and compensation: an iterative observer, pp.56-61 Jie Liu,Zhengce Liu,Chengzhi Liu,Ping Jiang,Kezhen Han,Zi-Peng Wang

A case study of liquid cooling modeling and privacy preserving LQR design for safe management of lithium-ion batteries, pp.62-67 Chengzhi Liu,Zhengce Liu,Jie Liu,Ping Jiang,Kezhen Han,Zi-Peng Wang

Multi-target round-up allocation strategy for unmanned aerial vehicle swarm based on improved adaptive genetic algorithm, pp.68-75 Jixiang Gong, Laifan Pei, Xian Zhou, Shuo Chen, Jicheng Li, Chao Wang, Man Zhao, Hui Li, Zhihua Cai

FDI attacks detection and reliable prediction for lithium-ion battery based on encrypted Koopman prediction method, pp.76-81 Zhengce Liu,Chengzhi Liu,Jie Liu,Kezhen Han,Zi-Peng Wang

Topology identification of multilayer complex dynamical networks with multiple weights considering derivative coupling, pp.82-87 Hao Lu,Guo-Ping Jiang,Yayong Wu,Ying Zheng

Depth Completion Algorithm Based on Panoptic Segmentation Assistance, pp.88-93 Wenjie Li, Zhengquan Piao, Zhenhao Wang, Yongqiang Han, Jiabin Chen

Adaptive Backstepping Sliding Mode Control for Double-Pendulum Tower Cranes, pp.94-99 Duchen Zhong, Chuanjing Hou, Can Liu

Composition of cascading failure in physical power system triggered by cyber attack, pp.100-105 Yongjian Cao

Modeling and Simulation of ROHC Protocol Based on OPNET, pp.106-110 Shan Liao, Deming Mao, Ling Zhang, Jianfeng Chen, Zhi Sun, Yifan Wang

Motion control of loitering munition based on deep reinforcement learning in autonomous evasive attack task, pp.111-116 Shanshan Tian, Yuedong Wang, Lianmeng Jiao

Cooperative Regulation for Global Disconnection Protection among Time-Varying Nonlinear Agents, pp.117-122 Wang Zhaoxin,Liu Jianchang

Prediction of Cement Combined Grinding Mill Bucket Elevator Current Based on Hybrid Neural Network, pp.123-128 Yuze Wang,Qiang Zhang,Haozhe Li,Cunrui Lu,Xiaoxu Zhang,Kai Sun

Design and Research of Arc Discharge Electromagnetic Radiation Detection Antenna, pp.129-133 Linlin Ding, Jiachuan Shi, Yanling Zhang

Bipartite consensus for general second-order systems with communication delay, pp.134-139 Nanchi Liu,Cheng Wang,Miao Zhao,Jianxiang Xi,Bing Li

Node Recovery Optimization of Cyber-Physical Power Systems Based on the Probability of Fault Propagation, pp.140-145 Qingyu Su, Jixiang Sun, Jian Li

Relationship Between the Long-Term Practice of Tai Chi Stance with Neural Patterns of the Brain: An Exploratory Study, pp.146-149 Mengmeng Li, Jianbo Zhang, Hong Wan

Adaptive Finite-time Control for CPSs under False Data Injection and Actuator Faults, pp.150-155 Haotian Lan,Ning Sheng

Full focus imaging of concrete ultrasonic array based on semi sparse matrix, pp.156-161 Haojie Zhou, Hongwei Ren, Zehao Li, Jiaxiang Xu Security Event-Trigger Mechanism-based Diffusion Kalman Filter for Wireless Sensor Networks under Cyber-Attack, pp.162-167 Xiaoyun Zhang, Wu Wang, Qinqin Chai, Rongguo Yang

VDA-YOLOv8 : An improved YOLOv8 Network Model for Vehicle Detection, pp.168-173 Jiaxin Gu,Gaohua Chen,Min Gao,Chunmei Zhang

Observer-based Sliding Mode Control for Interconnected Systems Under Constrained Bit Rate: Weighted Try-Once-Discard Scheme, pp.174-179 Xing Qi,Liangkuan Zhu,Xin Li

An evolutionary game with memory-based reputation in networked populations, pp.180-185 Ting Ling,Minyu Feng

Enhancing Dynamic Parameter Identification for Supernumerary Robotic Limbs through Uncertainty Compensation, pp.186-191 Lufeng Chen, Jingwen Lan, Qi' ao Zhan, Zhinan Peng, Wenjiang Li, Jing Qiu

Design of Intelligent Physiotherapy Room Temperature Control System Based on GA-Fuzzy-PID, pp.192-197 Shoufei Han,Ping Jiang,Fuquan Zheng,Liming Tan

Gear fault diagnosis method based on transfer learning, pp.198-203 Zili Xu,Ping Jiang,Fuquan Zheng,Tianbao Li

A novel fault diagnosis method for multimode hot rolling process based on MGU and BLS, pp.204-209 Chuanfang Zhang,Hanwen Zhang,Ruiyun Liu,Zixuan Zhang,Zhijian Zhao,Wenxiao Yin

Reinforcement Learning Control for AUV-Tow-Load Systems under Safety-Critical Condition, pp.210-215 Yi Shi,Wei Xie,Zhihuan Hu,Zehua Jia,Weidong Zhang

LSTM with AhI-model based Kalman Filter for Lithium-ion Battery State of Charge Estimation, pp.216-221 Xiangyong Luo,Lujuan Dang,Meng Yang,Badong Chen

Observer-based Non-fragile Intermittent Control for VSC-MTDC Under Non-ideal Communication Channel, pp.222-227 Yu Yang,Wang Haoping,Xue Yizhou,Liang Zhiwei

Model Predictive Control of Decomposition Furnace based on Equivalent-Input-Disturbances, pp.228-233 WeiKang Wu,Gang Yu,Wangyong He

DDQN-based path planning for mining cave robots , pp.234-239 Fei Du,Xinmei Wang

Prescribed-Time Average Consensus of Integrator-Type Multi-Agent Systems With Bounded Time-Varying Gain, pp.240-244 Hongpeng Li,Xin-chun Jia,Suna Duan

Interactive Multi-Trajectory SLAM for Large-Scale Mapping, pp.245-250 Huabiao Feng,Liang Zhang,Nanning Zheng

Minimal controllability problem of structural networked systems with MIMO singular subnets, pp.251-257 Xiaoyan Wang, Wanhong Zhang

Quasi-Z-Source Inverters for High Voltage Gain Ratio Scenarios, pp.258-265 Qi Wang,Yan Zhang,Wanhong Zhang

A metapopulation SEIR model with asymptomatic individuals based on human mobility patterns, pp.266-271 Yusheng Li,Minyu Feng

VC-TGCN: A Novel Soft-sensor Method of Silicon Content in Blast Furnaces, pp.272-277 Weibin Wang,Chunjie Yang,Yuelin Yang,Xiongzhuo Zhu,Yuchen Zhao,Siwei Lou

Privacy Preserving Second-order Consensus by Adding Edge-based Perturbations, pp.278-283 Zhuo Ma,Hongjun Chu,Zuxia Cheng

An intelligent task assignment algorithm for UAVs cluster for fast-moving targets, pp.284-289 Zhentao Guo, Tianhao Wang, Rufei Zhang, Hongbin Ma, Jianwei Lv, Dongjin Li

Fall-Related Gait Recognition Using Surface Electromyography with Transfer Learning, pp.290-295 Shuo Zhang,Biao Chen,Duidi Wu,Qianyou Zhao,Chengan Hong,Jin Qi,Jie Hu

Modeling and Control Analysis of Horizontal Cable-Driven Rehabilitation Robot, pp.296-301 Hongyu Liu, Dianguo Cao, Jinqiang Wang, Zhongcai Zhang, Yuqiang Wu

A Space Non-Cooperative Object Active Recognition Method based on zoom area extract, pp.302-307 Pengfei Zhao, Feng Zhu, Haibo Sun, Jianyu Wang, Qun Wang, Yangyang Li

An Evaluation System for Multi-Machine Cooperative Operation of Weeding Robots Based on Fuzzy Combination Weight, pp.308-313 Yourui Huang,Quanzeng Liu,Tao Han,Hongping Song,Fubao Gan,Tingting Li

A More Lightweight and Accurate Object Detection Network for UAV Aerial Images, pp.314-319 Fei Lei,Yu Zhang,Dun Ao

Research on ship recognition based on adaptive image enhancement and defogging, pp.320-325 Chen Wang,Fang Deng,Lin Li

Unmanned Ship Path Planning Based on Improved Genetic Algorithm, pp.326-331 Lin Li, Fang Deng, Chen Wang, Leilei Jin Enhancing Small Object Detection via Differential Convolution Fusion Modules, pp.332-338 GongYin,ZhuLei,WangWenwu,TangZhibin

Intelligent exploration and development of oil and gas fields within the framework of digital transformation Scene design research, pp.339-344 Jiyuan Liu,Zekun Ren,Cheng Dai

A Multi-LIDAR SLAM Method Based on Hector-SLAM, pp.345-350 Jinkun Ma,Xianming Wu,Wencan Guo,Yunjian Peng

Adaptive neural zeta-backstepping tracking control of rigid spacecraft with predefined damping ratios, pp.351-356 Jiatong Wang,Xuebo Yang,Zhongbo Chen,Yuan Li,Xiaolong Zheng

Multi-UAV Cooperative Formation Control Considering Finite Time and Collision Avoidance, pp.357-362 Rui Tang,Yongfu Li,Longwang Huang

A Novel YOLOv5s-Based Tiny Object Detection Model for UAV, pp.363-368 Jie Yuan,Yongfu Li,Longwang Huang

A small sample fault detection method based on an SE-SAGFD, pp.369-374 Wang Yun,Sun Jiacheng,Zhang Hairong,He Yuchen

Coverage path planning of heterogeneous unmanned aerial vehicles based on dual-stage genetic algorithm, pp.375-382 Shuo Chen, Laifan Pei, Jixiang Gong, Xian Zhou, Jicheng Li, Chao Wang, Man Zhao, Hui Li, Zhihua Cai

PE-SSD:Improved SSD For Small Object Detection, pp.383-389 Zhibin Tang,Wenwu Wang,Lei Zhu,Yin Gong

UAV 3D path planning method based on Multi-strategy improved dung beetle algorithm, pp.390-396 Xiewei ,Xu Guijia,Yvzhikai, Weiqizhao, Yang mingfeng

Steel Surface Defect Recognition Based on Evolutionary Network Architecture Search, pp.397-402 Tao Lu,Gaochang Wu

Discrete-time sliding mode predictive control based on extended state observer for reference tracking of dynamic positioning ship, pp.403-408 Qiang Ding,Fang Deng,Zhiyu Du,Shuai Zhang,Yang Liu

An Interpretable GWO-LSTM-SA Model for Crystal Diameter Prediction in Czochralski Process, pp.409-413 Jun-Chao Ren, Ding Liu, Shuai Kang

Optimal Traffic-Power Flow of Transportation-Microgrid Coupled System Based on Spatiotemporal Coupling, pp.414-419 Bin Li,Jia Li,Qincheng Li,Zhitao Liu,Hongye Su

Semantic Segmentation Network for Road Scenes Based on Improved U-Net, pp.420-425 Shuchang Dong,Lijuan Yu,Pengfei Lu,Minglong Li

Knowledge Distillation-Based Federated Fine- Tuning under Resource Constraints, pp.426-430 Bowen Li,Wenling Li

Distributed Constrained Optimization with Uncoordinated Step Sizes: A Case Study on Ethylene Plant, pp.431-436 Bing Liu,Zhongmei Li,Wenli Du

Research on the self-powered flexible non-contact distance/contact pressure dual-mode sensor for manipulator based on triboelectric nanogenerator, pp.437-441 Yinghuan Zhao,Baojun Wang,Hongyong Yu,Cong Zhao,Wenze Han,Minyi Xu

Real-time ship engine room initial fire identification based on improved YOLOv8 network, pp.442-446 Wenze Han, Baojun Wang, Yue Huang, Bo Qi, Yinghuan Zhao, Minyi Xu

New Results on Proportional Plus Derivative Feedback Control for Singular Takagi-Sugeno Fuzzy Systems Based on Observer Design, pp.447-451 Huayang Zhang,He-Bin Wang

Immersion and Invariance Velocity Observer Design Using Vector and Landmark Measurements, pp.452-456 Hangbiao Zhu, Haichao Gui

Iced Power Line Image Enhancement Method Based on Improved Retinex-Homomorphic Filter, pp.457-462 Shuxin Lu,Huijun Liang,Gangcheng Long,Rui Zhu

Data-driven-based Bipartite Tracking Consensus Control for Networked Agent Systems via Adaptive Policy Iteration, pp.463-468 Peiyu Zhai,Boxian Lin,Weihao Li,Jiangfeng Yue,Mengji Shi,Kaiyu Qin,Mingbo Wang

Finite Time Cooperative Collision Avoidance Control of Multiple Dynamic Positioning Vessels, pp.469-474 Yujie Xu,Chenglin Dai,Chenglong Wang,Mingyu Fu

Constrained multi-objective evolutionary algorithm with population image sharpening, pp.475-480 Zuo Mingcheng, Zhao Guanghui, Gong Dunwei

A Fact-based Approach to Define Static and Dynamic Knowledge in Expert System, pp.481-486 Xiaolei Cui,Jia Shi,Wanbing Ding,Jian Liu

A deep embedded clustering with selective data augmentation, pp.487-492 Mingcheng Zuo,Fujian Xu,Dunwei Gong

Path Planning and Attitude Control Techniques for Automatic Shield Tunneling, pp.493-497 Yeting Zhu *Target Intention Recognition Based on Multi-Type Information Fusion and DS Ensemble Classification in Aerial Combat*, pp.498-503 Jiang Nan,Li Jianxun

Piecewise Linearization and Neighborhood-Structure-Based Heuristic for the Sensor-Weapon-Target Assignment Problem, pp.504-509 Liangjie Wang, Jianxun Li, Guo Wang

Research on Visual Fault Diagnosis Technology for Power Transformers Based on Diffusion Model Sample Augmentation, pp.510-515 Wenxuan Ye, Xiangsen Wei

Two-phrase Optimization Based on Dijkstra and Artificial Potential Field Algorithms for Autonomous Vehicle Routing Problem, pp.516-521 Ziyang Zhang, Lei Li, Yonghao Du

SMA-LSTM Soft Sensor Based on Bayesian Optimization in Irregular Sampled Time Sequence of Industrial Processes, pp.522-527 Yan Li,Xiangshun Li

Small-sample Permanent Magnet Synchronous Motor Intern-turn Short Circuit Fault Diagnosis based on Strong Duality Theory, pp.528-533 liminglei,gengyanfeng,wangweiliang,wuxiang,yangyisen,gianhaiyu

Weak Feature Defect Detection of Insulators in Complex Images Based on Sequential Task Strategy, pp.534-539 Liangyu Wei,Xinyu Zhao,Guixia Fu

Dynamic event-triggered filtering of semi-Markov jump system with time-varying delay, pp.540-545 Qiyi Wang,Yang Bai,Li Peng

Neural-network-based adaptive prescribed finite time control for a class of second-order nonlinear singularly perturbed systems, pp.546-551 Yongyang Zhao,Kai Liu,Lijie You

HF-DQN: Human in the Loop Reinforcement Learning Methods with Human Feedback for Autonomous Robot Navigation, pp.552-557 Shaofan WAng,Ke Li,Tao Zhang,Zhao Zhang,Zhenning Hu

A Novel SIR Model-Based Public Opinion Propagation and Optimal Control, pp.558-563 Qing Ge,Chen Huang,Huiling Xu,Jun Zhang,Haixia Wang

Speed Control of Permanent Magnet Synchronous Motor Based on Improved Nonlinear Disturbance Observer, pp.564-569 Yang Xiaobin,Shao Xuejuan,He Tao,Zhao Binhong ,Chen Zhimei,Zhang Jinggang

Lightweight SAR image ship target detection algorithm based on improved YOLOv8, pp.570-575 Zekang Zheng,Mingjia Wang,Fengxiang Shang

Mathematical Model And Adaptive Neural Network Flight Control of Wing-in Ground-Effect Vehicle, pp.576-581 Qifeng Liu,Xiangyuan Jiang

Adaptive Tracking Control of Quadrotor Dragging System with Variable-mass Surface Payload, pp.582-587 Yuhe Chen,Dong Zhang,Guangyu Jia,Jinlong Sun,Lingzhi Mu

Physics-based Modelling and Nonlinear Model Predictive Control of Gas Turbines, pp.588-593 Bohan Li,Dong Ni

Research on Optimization Method of Injection Molding Machine Temperature Control System Based on IK-SS, pp.594-599 Haipeng Zou ,Xiangsong Kong ,Xiaoyu Li ,Quanxiang Ye ,Dan Zhao,Zhijiang Shao

Normalizing flow learning based restoration for Low-light images with massive zero-element pixels, pp.600-605 Bo zhang,Changhui Hu,Lintao Xu

Path Planning for Concentric Surgical Needles based on Artificial Potential Field, pp.606-611 Jing Zhang, Jieting Yuan, Yongyin Ye, Xiyu Wang, Xiyun Wu, Zhijie Pan, Mengtang Li

Study of fingerprint-like tactile sensors based on triboelectric nanogenerator, pp.612-615 Bo Qi,Junhao Zhao,Wenze Han,Bohan Yao,Taili Du,Minyi Xu

Event-triggered Resilient Estimator for Nonlinear Cyber-Physical Systems under DoS Attacks, pp.616-621 Zhenwei Wu,Langwen Zhang

Image Realism Enhancement Method Based on Improved Neural Neighbor Style Transfer, pp.622-627 Jiayi Lin, Wenjie Chen, Zhiqi Long, Yu Yuan

Multi Classification Online Monitoring of Photovoltaic Array Fault Diagnosis Algorithm, pp.628-632 Liming Liu,Lingtong Kang,Xiuchang Deng,Meilin Zheng,Jing Liu,Weiming Shao*

Optimization of Support Vector Machine for Photovoltaic Array Fault Diagnosis Based on Sparrow Search Algorithm, pp.633-637 Liming Liu,Jing Liu,Meilin Zheng,Xiuchang Deng,Weiming Shao*

Water quality prediction in wastewater treatment process using lasso echo state network, pp.638-642 Lei Wang,Xibo Lv,Jing Zhao

Backstepping-Based Interception Control for an underactuated USV with Experimental Validation, pp.643-648 Bin Lin,Zhihuan Hu,Kairong Duan, Zhijian Sun,Wei Xie,Weidong Zhang,Defeng Wu, Shangkun Zhong

Drilling condition recognition based on D-S evidence fusion and BP neural network, pp.649-654 Yuxiang Chen,Yulin Li,Lingxiao Bao,Longchen Duan,Hui Gao,Songcheng Tan

Saliency-Guided and Feature Fusion with Transformer for Weakly Supervised Semantic Segmentation, pp.655-660 Xiaoman Cai,Wenwu Wang,Lei Zhu

Autonomous Navigation Algorithm for GEO satellites during Hall Thruster Trajectory Control in All-time, pp.661-667 Xiao Liu, Sihong Gao, Juping Liang, Kun Xiang, Zhengyong Guo

Improving Transmission Efficiency and Reliability for UAV Networks based on Loongson Embedded System, pp.668-672 Yule Lei, Lei Zhang, Yuben Qu, Chao Dong

Optimal Investment under the Influence of Decision-changing Imitation, pp.673-678 Huisheng Wang,H. Vicky Zhao

Hybrid algorithm on timeline matrix for task scheduling in clouds, pp.679-684 Anni Zhang, Yuanqing Xia

Few-shot Learning with Contrast Prototype Network for Fault Diagnosis, pp.685-691 Weiwei Zhang, Deji Chen, Yang Xiao

High-Speed Maglev Train Speed Measurement and Positioning Technology Research Overview, pp.692-697 SUN Yanhao,GAO Hongmin,GUO Wei,SUN Wenzhe,HOU Zhoupu,LIANG Di

EEG based Sleep Staging Analysis of BECTS Subjects, pp.698-703 Dinghan Hu,Chenzhi Jin,Tiejia Jiang,Feng Gao,Jiuwen Cao

Fixed-Time Sliding Mode Control of the Slave Manipulator Based on Lagrange Equation, pp.704-709 Penghao Lv,Mengwen Li,Yu Dai,Jianxun Zhang,Wei Zhang

The improvement of data selection method in data-driven model predictive control of uncertain systems, pp.710-715 Yixuan Ni,Aoyun Ma,Dewei Li

Optimal Control of Constrained Trajectory Optimization Problem of UAV with Limited Sensing, pp.716-721 Long Xiao, Miao Liu, Xialai Wu, Shaopan Guo, Benyun Shi, Wenyan Ci

Heterogeneous Policy Network Reinforcement Learning for UAV Swarm Confrontation, pp.722-727 Aocheng Su,Fengxuan Hou,Yiguang Hong

Improved hybrid Gaussian process regression Model for State-of-health Estimation of Li-ion Batteries, pp.728-733 Tao An,Zhitao Liu,Chizhou Yan,Ke Xu,Hongye Su

2DCNN-Trans Based Fault Diagnosis Method For Air Handling Units, pp.734-739 Wenhu Hao,Wenhui Luo,Chenyu Liu,Zixuan Wang

Traffic Sign Detection Based on Improved YOLOv5-S, pp.740-745 Zixuan Wang, Wenhui Luo, Xiaobin Li, Wenhu Hao

Scene similarity recognition with integrated high- dimensional point cloud features, pp.746-751 Zenghui Xie,Lin Wang,Hao Fan

Research on sidelobe suppression algorithm of pulse compression in radar signal processing, pp.752-755 Xu Chen,Xiaoxue Li,Li Wang,Qiaoyu Li,Yatao Liu

MMSeg: A Masked Autoencoder-based Multi-center Collaborative Framework for Medical Image Segmentation, pp.756-761 Long Chen, Baihai Zhang, Senchun Chai

Trajectory Tracking of Manipulator Based on Sliding Mode Active Disturbance Rejection Control, pp.762-767 Guofa Sun, Jiaxin Zheng, Qingxi Liu, Fengyang Pan

Predefined time trajectory tracking control of underactuated autonomous underwater vehicle, pp.768-773 Yang Liu,Qingyang Wang,Longjin Wang,Qiang Ding,Zhimin Fan

Online Identification of Servo System Mechanical Model Using Dynamic Weighted Recursive Instrumental Variable Least Squares, pp.774-779 Xiangxu Yu,Wentao Yu,Guoyang Cheng,Jianyu Yang

Voltage Stability Analysis of Distribution Network Considering Massive Electric Vehicle Charging Load, pp.780-785 Chenghao Yu,Hongli Ji,Haowei Wang,Lei Xu,Houjun Li,Aerduoni Jiu

Design and Analysis of Polynomial Positive Fuzzy System Controllers Based on Markov Transitions, pp.786-791 Sen Chang,Xiaomiao Li,Fucai Liu,Zhiyong Bao

The Analysis and Research on the Effects Caused by the Pilot Model Parameters to the Pilot Induced Oscillation and Feasible Countermeasure of the Helicopter, pp.792-799 Penghui Xu, Yu Zhang

Anorectal Surgery Navigation System based on Bursa Seven-Parameter Model and Optical Mixed Reality, pp.800-805 Yujie Liu,Wenlin Huang,Yang Zhou,Longlong Hou,Jing Guo

Robust Model Predictive Control with Predefined Performance for Spacecraft Rendezvous, pp.806-811 Yuan Li,Xuebo Yang,Xiaolong Zheng,Zhongbo Chen,Jiatong Wang

NewKeeper: An Efficient and Fast Algorithm for Finding Top-k Elephant Flow, pp.812-817 Zhihao Li

Research on the Control of Large Flexibility Spacecraft Based on Time-Delay Link, pp.818-822 Rui Wang, Hongxing Zhang, Yanhong Xiu

Few-Shot Class Incremental Object detection for Packaging Defects in Domain Transfer Scenerios, pp.823-828 Hongtao Hu,Chunhui Zhao Hierarchical Interpretable Vision Reasoning Driven through A Multi-modal Large Language Model for Depth Estimation, pp.829-834 Wenfeng Mi,He Chen,Weipeng Liu

Optimization of Desulfurization Control System for Thermal Power Plant Based on Improved Model Predictive Control, pp.835-840 Zhongcheng Bai, Minan Tang, Xuanxuan Liu, Jiandong Qiu, Chuntao Rao, Yueheng Wang, Xiangdong Zheng, Yude Jiang

Economically Optimized Distributed Model Predictive Control for Connected Vehicles Using Buffer Functions, pp.841-846 Haotian Zhu,Hongmao Qin,Yougang Bian,Ning He

Optimization of Marshalling Yard Operation Plan Considering Different Time Sensitivities of Freight Cars, pp.847-852 Shuguang Yang,Xisong Dong, Donghu Yang,Xiaowei Li,Wei Xu,Yisheng lv,Fenghua Zhu, Gang Xiong,Zhen Shen

An Efficient Fire Detection Algorithm with Dataset Generation Based on Diffusion, pp.853-858 Gaoyang Wang,Hongtao Zheng,Duo Xiao

Position Control of Valve-controlled Cylinder Based on CRL-DIARC, pp.859-864 Qinhao Qu,Yangxiu Xia,Jianzhong Tang

Event-triggered model predictive control for perturbed nonlinear systems via a non-squared integrand objective function, pp.865-870 Liu Ruirui, Hu Xiaoda

Human activity detection algorithm based on TSACT model, pp.871-876 Zhiheng Xia ,Yongli Yang

Unified DRL for Enhanced Flexible Job-Shop Scheduling with Transportation Constraints, pp.877-882 Yijie Wang ,Runqing Wang,Jian Sun,Gang Wang

Output Feedback Control for Networked Switched Systems under Multiple Attacks with Dynamic Event-Triggered Approach, pp.883-888 Zhan Shen,Hui Ge,Chao Yang

An analytical impulse thrust strategy in spacecraft pursuit-evasion games with mass variation and perception frequency, pp.889-894 Chengming Zhang, Yanwei Zhu, Leping Yang

Parameter estimation for a class of multiple-input multiple-output systems using the maximum likelihood principle, pp.895-899 Huihui Wang,Ximei Liu,Qihan Wang,Yunchao Li

Research on Missing Value Compensation of Skiing Data Based on Neural Networks in Optical 3D Motion Capture, pp.900-904 Xiaoxi Liu,Xiaoqi Zhang,Xiaodan Cong,Zaizhu Yang,Changjiang Song,Lianwu Guan

A gesture recognition method based on improved YOLOv8 detection, pp.905-910 Haiming Li

Early Indoor Fire Warning Algorithm Based on INRBO-XGBoost and Fuzzy Inference, pp.911-916 Hongji Yang, Jiangming Zhang, Zongqiang Pang

An Image Selection Strategy based on Swin Transformer and CWT for Robotic Grinding Monitoring, pp.917-922 Zhuowei Li, Jianxu Mao, Yaonan Wang, Wenbin He, Hui Zhang, Weixing Peng

DMD3QN: Dual Model Combined Driving Based on Dueling Double Deep Q-Network, pp.923-928 Dongyang Zhao, Hong Yu, Junhong Zhao

Neural correlation study of swinging and standing during dual-task walking-A pilot study, pp.929-934 Lei Zheng, Wenwen Chang, Jialei Lu, Weixuan Kong, Guanghui Yan, Bin Guo

Adaptive Fractional Order Sliding Mode Fault-tolerant Control for Manipulator Systems With Intermittent Actuator Faults, pp.935-940 Chunyu Lin, Yongqiang Nai

An Improved RT-DETR Model for UAV-Based Power Line Inspection Under Various Weather Conditions, pp.941-945 Hantao Ding,Chen Zhou,ChengLian

Spatial-Frequency Domain Learning for Road Extraction From Remote Sensing Images, pp.946-951 Yibo Zhao, Cailing Wang

PSO-based Modified Control Barrier Function to Avoid Collision of Vehicle, pp.952-959 Zhenyu Wu,Tao Huang,Liang Gao,Donghui Yu

Class-Agnostic Dual-Branch Network for Few-Shot SAR Target Recognition, pp.960-964 Songhao Shi,Xiaodan Wang,Yafei Song,Pengfei Guo

Siamese network tracking algorithm based on multi-scale feature fusion of dual attention mechanism, pp.965-970 Chen Xu, Caiping Xi, Huiyang Lu, Xiang Xu

Adaptive Neural Sliding Mode Based Control of Robot Manipulators with Disturbance Observer, pp.971-976 Guofa Sun ,Qingxi Liu,Fengyang Pan,Jiaxin Zheng

Enhanced SAR-Optical Image Fusion Based on RFN-Nest for Railway Intelligent Perception, pp.977-982 Zesheng Chen, Haifeng Song, Min Zhou, Zhen Liu, Hairong Dong

An Internal Environment Anomaly Detection System for Secondary Water Supply Pump Houses Based on the Improved PatchCore Algorithm, pp.983-988 Yongtao Yu,Xiaoqiang Lu,Junchen Gong

YOLOv5-LF: An optimized YOLOv5 algorithm for real-time automatic tracking, pp.989-994 Luo Jicheng ,Cheng Lei

Design Framework of Active Disturbance Rejection Control with System Model, pp.995-1000 Zhijun Li,Yang Liu,Wen Tan,Song Bi

Optimal control of influent water quality disturbance in wastewater treatment aeration process, pp.1001-1006 Baosen Han

Optimal reconstruction of active distribution network with current margin, pp.1007-1012 Yeji Yan,Lei Xu,Xingwang Gu , Kaile Liu,Hongli Ji,Aerduoni Jiu

The Equipment Preventive Maintenance Strategy of Two-stage Spot Inspection Considering Different Detection Effects, pp.1013-1018 Jihui Li

Low-carbon regional integrated energy optimization scheduling considering two-stage power-to-gas, pp.1019-1024 Xingwang Gu,Zhihao Zhang,Yeji Yan,Hongli Ji,Aerduoni Jiu

Effective Scheduling for Distributed Flexible Job Shop with Heterogeneous Production Lines, pp.1025-1030 Lengandong Shi,Zhiyang Jia,Panpan Shangguan,Sijie Yin,Jianchao Zhang,Minghao Duan

Design of server fault diagnosis and prediction based on BMC, pp.1031-1036 Zhuochen Ping,Yong Wang,Yubing Lin,Weifeng Gong,Wei Gong,Yan Li

Adaptive architecture of baseboard management controller based on different projects, pp.1037-1042 Yong Wang,Zhuochen Ping,Xu Zhang,Weifeng Gong,Wei Gong,Yan Li

Reliability Assessment of Hydrogen-Powered Energy System in Internet Data Centers, pp.1043-1048 Haoyu Dai,Jun Hao,Kun Liu,Yusheng Li,Jiang Wu,Feng Gao

Pneumatic Valve Position Control of Third-order LADRC Based on RBF Neural Network, pp.1049-1054 Jingyi Su,Xueqing Wang,Xu Li, Haibo Liu,Yongqing Wang

Design of Software for Batch Extracting and Merging Document Pages Based on Character Matching, pp.1055-1058 Qiao Sun,Tong Wu,Yi Liu

Coordinate Switching Control of Source-Load-Storage in Power Grid Based on MAS, pp.1059-1064 Chao Huo,Xiuting Rong,Xuetao Dong,Ping Wei,Jinrui Guo

MAS-Based Decentralized Coordinated Control Strategy for Multiple Renewable Energy Sources, pp.1065-1070 Xiuting Rong, Chao Huo, Ping Wei, Xuetao Dong, Jinrui Guo

Interconnection and Damping Assignment Passivity-Based Control for Underactuated Overhead Cranes with Frictions, pp.1071-1076 Huaizhi Shao

GAN-based Fusion of Infrared and Visible Images in Dark Light Environments, pp.1077-1081 Jiaoxing Shi

Short-Term Wind Power Prediction Based on DTW-BiLSTM Modeling, pp.1082-1087 Guangyu Zheng, Zheng Xin, Nan Wang, Shibai Wang, Weiran Chi, Xingran Liu, Yifei Guan, Guangqi Zhou

Coverage Control for Multi-Agent Systems via Curve Arc Length, pp.1088-1093 Kaiqi Yang,Xiaoli Wang,Hengyu Yang,Wei Xie

Research on LiDAR multi-target tracking method based on BEV perspective, pp.1094-1099 Baigen Cai,Zheng Meng,Linguo Chai,Xiao Xiao,Wei Shangguan

An improved road target detection approach based on YOLO-v8, pp.1100-1105 Hongyi Hou,Wenyan Ci

Fully Distributed Event-Triggered Algorithm for Fixed-time Economic Dispatch with Input Delay, pp.1106-1111 Xiaofeng Wan, Zhiqiang Duan

Position Error Correction Method for Sensorless Control of PMLSM under Variable Speed Conditions, pp.1112-1117 Yuxin Jin,Qiang Chen,Peng Leng,Mingxin Liu,Peiran Sun,Jie Li

Self-Regulating Pre-Tensioning Parameter Strategy for Control of Cable-Driven Knee Exoskeleton, pp.1118-1123 Jiaqi Han,Weihao Yin,Zhibo Jing,Jianda Han,Juanjuan Zhang

Fault-Tolerant Control of a Dynamic Positioning Vessel with Thruster Faults based on Improved Adaptive Control Allocation, pp.1124-1129 Qi Lang,Haixiang Xu,Wenzhao Yu,Zhe Du,Hongmei Wang,Jinlong Chen

PathFinder-based simulation study on passenger evacuation in subway stations during floods, pp.1130-1135 Xiaoxia Yang,Haojie Zhu,Yuanlei Kang,Jiahui Wan

A-MSCKF:An improved MSCKF algorithm based on adaptive threshold feature points, pp.1136-1141 Xinming Lv,Meng Xu,Kezhi Wang,Jikai Wang,Zonghai Chen

Resilient Distributed Secondary Control Strategy Optimal-Consensus-Based for Island Microgrids, pp.1142-1148 Xiaofeng Wan, Jinheng Gong

AMCF-CMV: Adaptive Mahony Complementary Filtering based Attitude Compensation for Cross-water-air Medium Vehicle, pp.1149-

Lianwu Guan, Jianxu Wang, Kaihong Lin, Jianhui Zeng, Yanbin Gao

Research on SMC - ADRC Strategy of Dual Three-phase PMSM, pp.1155-1158 Jingyu Du,Xin Guan,Jianping Li,Yuxin Lin,Haoran Yu,Zhenhui Gao Application of Knowledge Distilled Neural Network to Railway Overhead Line Fault Diagnosis, pp.1159-1162 Jingyu Du,Kai Cheng,Xin Guan,Deshuai Yu,Maochang Yan,Jianping Li

Event-Triggered Control for Nonlinear Networked Cascade Control Systems with State Delay, pp.1163-1168 Haojie Wang,Zhaoping Du,Wentao Xue,Luyao Wang,Wei Wu

Controller Design for a Class of Nonlinear Discrete Networked Cascade Control Systems With State Delay and network-induced delay, pp.1169-1174 LuYao Wang,Zhaoping Du,Wentao Xue,Haojie Wang

Data-Enhanced Multi-Objective Optimization for Hot Rolling Load Distribution, pp.1175-1180 Hanqi Ji,Biao Li,Ying Yang

Sea clutter prediction model based on ICOA-ELM, pp.1181-1184 Huiyang Lu,Caiping Xi,Chen Xu

Design and analysis of flexible manipulator based on lattice structure, pp.1185-1189 Yang Li

Obstacle Avoidance Path Planning and Trajectory Tracking of Unmanned Logistics Vehicle Based on MPC, pp.1190-1195 Dingqiang Lin, Jiandong Qiu, Minan Tang*, Qiang Zhang, Shusheng Xu, Hailong Song

Trajectory Planning for Spherical Robot Based on Differential Flatness, pp.1196-1201 Heng Ping,You Wang,Pengyang Fu,Xiaoqing Guan,Guang Li

Reinforcement Learning-based Target Interception for USVs with Experimental Validation, pp.1202-1206 Chenming Zhang,Bin Lin,Rijie Zeng,Wei Xie,Weidong Zhang

A Cross-layer Feature Aggregation and Distribution Method for Lane Detection, pp.1207-1212 Xiongwen Zhang,Shanxin Zhang,Linbo Xie

Loadformer: Power Load Forecasting Based on Transformer, pp.1213-1218 Jialei Huang,Donghe Li,Pengtao Song,Qingyu Yang

Deep Spatial-Spectral Multi-Resolution Attention Residual Network for Hyperspectral Image Classification, pp.1219-1224 Xuesong Zhao, Xuefeng Liu

Distributed Collaborative Search for Dynamically Moving Targets in Unknown Environments Utilizing Multiple UAVs, pp.1225-1230 Liu Xiaonan,Li Sheng,Xiang Zhengrong

HA-SpMM: A Hybrid Feature-Based Adaptive SpMM Algorithm on GPU, pp.1231-1236 Hao Wang,Shanxin Zhang,Linbo Xie

RDB-YOLO: A Lightweight and High-Precision Steel Surface Defects Detection Method, pp.1237-1242 Zifan Wang,Shanxin Zhang,Linbo Xie

YOLOv8-IRD: Infrared Road Small Object Detection Algorithm based on Improved YOLOv8, pp.1243-1248 Junlin Wu,Leyuan Wu,Dingxiang Wang,Yu Peng,Zi Liao

Robust Belief-Reward Approximate Value Iteration for Dynamic Detection Systems Allocation in Uncertain Counter-Drone Operations, pp.1249-1254 Tianyu He,Dongye Zhuang,Haibin Xie

Complex Industrial Process Monitoring Using Improved Dynamic Latent Variables - Neighborhood Preserving Embedding, pp.1255-1260 Wang Hancheng,Li Peng,Ai Mingxi,Wu Jiande,Yang Chuangyan,Xu Qingmin

Optimization and Experimental Study of Controller Deployment for SDN-based Satellite Networks, pp.1261-1266 Guohao Qiu,Shu Lu,Li Yang,Qilong Huang

Data-Driven MPC for Uncertain High-Order Fully Actuated Systems, pp.1267-1271 Junhao Zhao, Han Wang, Chao Ning

Temperature Control Method for Batch Reactors Based on Adaptive Delay Compensation, pp.1272-1277 MAO Dehui, Peng Li, Mingxi Ai, Jiande Wu*, Chuangyan Yang, Hancheng Wang

WSSNet: A Multivariate Time Series Forecasting Framework Incorporating Serial Correlations, pp.1278-1283 Hao Liu, Feng Hu, Zuqiang Su, Jin Dai, Hong Yu, Yulong Zhou

Adaptive consensus control of nonlinear multiagent systems based on event-triggered mechanism under DoS attacks, pp.1284-1289 Yishi Jin,Ning Sheng

Reflected impedance based maximum output power monitoring for MCR-WPT, pp.1290-1294 Xiang Liu, Bing Jiang,Ming Cheng,Zibo Wang,Kai Tao

Optimal output power tracking method for MCR-WPT based on DC/DC converter, pp.1295-1299 Ming Cheng,Xiang Liu,Bing Jiang,Zibo Wang,Kai Tao

Diagnosing Oral Mucosal Diseases Using Deep Learning, pp.1300-1305 Miao Lu, Jiayuan Zhang, Yuqi Cao, Rui Zhang, Guangxin Zhang

Research on multi-objective traversal method for robots based on improved ant colony algorithm, pp.1306-1311 Hailong Wang,Di Wang,Bing Wang,Mengmeng Liu,Junwei Wang,Yu Wang

Interpretable Vehicular Safety Control Based on Hybrid Automata and Deep Reinforcement Learning, pp.1312-1317 Lu Liu,Qi Sun,Liren Yang,Chunjie Zhou An Enhanced Multivariate long-term Time Series Robust Forecasting Model with Distinguishable Variable Identifier, pp.1318-1323 Yang-yang He, Jian-wei Liu

Fixed-time Stabilizing Control for Nonlinear Systems With Uncontrollable Linearization and Unmodeled Dynamics, pp.1324-1329 Xinyu Wang ,Jiangbo Yu,Yan Zhao

Semi-supervised Small Intestinal Tumor CT Image Segmentation Using Dual-Level Consistency Regularization, pp.1330-1333 Fengxiang Shang,Zekang Zheng,Mingjia Wang

Predictive Linear Active Disturbance Rejection Control for Air Conditioning Supply Air Temperature Based on GWO, pp.1334-1338 Shizhong Yang, Yucheng Gong, Guofa Sun, Yang Yu, Xiangtong Kong, Xianduo Niu

DA-MEF: A Multi-exposure Fusion Network via Detail enhancement and Global Feature Attention, pp.1339-1344 Yunfei Feng, Mei Zhang

Method of Parallel Robot Arm Positioning Based on Visual Guidance, pp.1345-1350 Antai Zhang,Ping Jiang,Fuquan Zheng,Han Liu

A complementary augmentation algorithm for remotely sensed data based on radiometer distortion phenomenon, pp.1351-1355 Changzhe Wu,Peng Wu,Zhiqiang Yu,Zhifu Liu,Yujie Wang,Kairui Xing

SLAM method of mine inspection robot based on stereo vision and IMU, pp.1356-1361 Han Liu,Ping Jiang,Fuquan Zheng,Kezhen Han,Antai Zhang

Quantitative Damage Diagnosis Method under Vibration Conditions Based on Two-Dimensional Gaussian Model with Phase Synchronization Damage Index, pp.1362-1367 Zhuang Yan, Bao Qiao, Xie Tian

The Application Method of Karush-Kuhn-Tucker Condition for Judging Boundary Extremum Point, pp.1368-1371 Chunling Zhang, Chunming Li, Ruiquan Zhang

Object recognition and grasp detection in complex scenarios for home service robot, pp.1372-1377 Hongqiang Lyu

Path-constrained dynamic optimization of rougher flotation process, pp.1378-1383 Yanhui Liu,Jun Fu

A Fault-Tolerant Control Method for the Quasi-Z-Source Hybrid Active Neutral-Point-Clamped Three-Level Inverter With Reduced Power Losses, pp.1384-1389 Desheng Jia, Chuanjing Hou, Changwei Qin, Xiaoyan Li

Model Reference Adaptive Impedance Control Method Based on Online Environment Stiffness Identification, pp.1390-1395 Yan Li, Jiacheng Lu, Mingzhe Sheng, Jianlei Fan, Piao Fan, Zengpeng Lu

Pulmonary nodules segmentation based on multilevel fusion path and data augmentation, pp.1396-1401 Shanshan LI,Xuefeng LIU

A Student Classroom Behavior Detection System Based On Improved YOLOv10, pp.1402-1406 Qi Tang,Xian Ping Ren

MC-DQA: An Efficient Database Query Acceleration Architecture Based on FPGA, pp.1407-1412 Xiongru Wang,Xinxin Zhao,Haijun Xue,Chaofei Wei,Zhengjiao Li,Zizhong Wei

Evaluation Method of Distributed Photovoltaic Primary Frequency Modulation Capability, pp.1413-1418 Weilun Wang, Xia Zhou, Xiaonan Ma

A generalized design for database heterogeneous query acceleration based on FPGA, pp.1419-1426 Kai Jiang,Xiongru Wang,Shuai Wang,Haijun Xue,Fan Yu,Rui Li

MS-GATformer:Multi-scale hybrid prediction based on GAT-iTransformer, pp.1427-1431 Yanhui Ren,Qiluo Xiong,Chen Qu,Gang Xiang,Yixin Nie,Fan Yang

Subway tunnel mapping based on improved Point-LIO, pp.1432-1438 Haibo Tang

An Inception-GRU-SE Based Method for Arrhythmia Diagnostic, pp.1439-1444 Tianbao Li,Ping Jiang,Fuquan Zheng,Zili Xu

Dynamic memory-event-based privacy-preserving security control for networked systems with sensor saturation using a memory state observer, pp.1445-1450 Jiahui Tang, Jinliang Liu, Lijuan Zha

A Laser Centerline Extraction Method for 3D Reconstruction of Throttle Valves, pp.1451-1455 Liming Tan,Ping Jiang,Fuquan Zheng,Shoufei Han

Multi-motor coordinated propulsion based on improved virtual spindle control, pp.1456-1461 Jiyang Zhai,Weiran Wang,Xu Wang, Xiaoqin Huang

Design of Multifunctional Health Management Desktop Robot, pp.1462-1465 Zheng Zhaoye,Yang Yongkuan,Wu Yiming,Lin Zhaopei,Chen Jie,Chen Peng

Load Frequency Control of Multi-Area Power Systems Based On Event-Triggered Control, pp.1466-1471 Yulong Wang, Zidong Ai, Heng Shao

Real-Time Agricultural Pest Detection Enhanced via Hybrid Distillation Framework, pp.1472-1477 Zhiwei Wang,Jun Huang,Chengyu Wu,Hongyu Ma,Fangle Chang,Longhua Ma,Jiamei Liu,Guanzhong Tian *Estimation of Peanut Seedling Emergence Rate of Peanut Based on Deep Learning and Drone Imagery*, pp.1478-1482 Jiangtao Zhao, Xue Kong, Yirou Liu, Guowei Li, Zhenhai Li*

Integrated Digital Model-Based Safety and Security Awareness and Analysis for Process Industry, pp.1483-1488 Yahui Li,Qi Sun,Kunkun Wang,Chunjie Zhou

The Construction of a Multi-modal Dermatology Database and Secondary Clustering Analysis of Rosacea, pp.1489-1494 Yi Ding,Xiaohui Huyan,Donghao Lü,Yong Zhang

Voltage control strategy of active distribution network considering reactive power margin of photovoltaic inverter, pp.1495-1500 Xiaonan Ma,Xia Zhou,Weilun Wang

Primal-Dual Multi-Agent Trust Region Policy Optimization for Safe Multi-Agent Reinforcement Learning, pp.1501-1506 Jie Li, Junjie Fu

DBTE-CAM: Fault Diagnosis for the Chiller based on Dual-Branch Transformer Encoder, pp.1507-1512 Mengtian Yang, Chenyu Liu, Yixin Su, Danhong Zhang, Hao Jiang

Spatial-Temporal Dependency Based Automatic Failure Mode Classification for Industrial Processes, pp.1513-1518 Runlong Wang,Qi Sun,Yanjun Liu,Peihang Xu,Chunjie Zhou

An Improved Estimation Strategy for IPMSM Sensorless Control over Wide Speed Range, pp.1519-1524 Guanghao Chen, Quan Yin, Xuefeng Nie, Hao Xiong

Adaptive RBFNN-Based Fast Fixed-Time Backstepping Control for Robotic Manipulators, pp.1525-1530 Bowei Yao,Zhuang Liu,Qiaoman Zhu,Ouyang Zhang,Weiliang Chen,Jianxing Liu

A new belief rule base considering explainability optimization for complex system health state assessment, pp.1531-1536 Chao Chen,You Cao,Zhixiang Chen,Ruiqiao Yao,Hongbin Shu,Junliang Han

Study of Double Degree of Freedom Solar Arrays Control for Inclined-orbit Spacecraft, pp.1537-1540 Rui Peng, Jiaxiang Bai, Bin Zhu, Zhaoyang Cheng, Zhouburan Zhang

Road Surface Condition Recognition Based on Visual Information Fusion, pp.1541-1546 Qingyuan Zhu,Tao Wei,Kai Tan,Yunlong Gao,Guifang Shao,Zhichao Li,Yijie Zhou

Nonlinear control for triple inverted pendulum based on three-step method, pp.1547-1552 Guangxin Han,Baokui Zhang

A Deep Learning Approach for Aerodynamic Characteristics Identification Based on Time-frequency Analysis, pp.1553-1558 Ke Xu,Yunwan Gao,Yiwen Zhou,Qizhao Wei,Lixuan He

Improving Load Frequency Control in Power Systems with Energy Storage Devices via FOPID Controllers, pp.1559-1563 Yanming Li,Xi Lu,Wenbin Yue,Yang Yang

3-DOF Mobile Platform Enhanced Microrobot Manipulation System, pp.1564-1569 Yiyang Ma,Jiaxin Tu,Lingtao Meng,Jingjie Zhang,Weicheng Ma,Zhijie Huan

Consensus analysis of the leader-follower opinion dynamics model with group pressure, pp.1570-1575 Wenjuan Wang,Zhongmei Wang

Distributed MPC for Nonlinear Networked Vehicle Platoon System with Communication Delays, pp.1576-1581 Shenao Cen,Zhizhong Bai,Jiange Wang,Xiaoyuan Luo,Xiaolei Li,Xu Fang,Heling Yuan

Optimization of Under-voltage Starting Performance of PMSM Based on Improved Voltage-loop Quasi-Z-source Inverter, pp.1582-1587 Song Ci

Semantic Segmentation based Defect Detection Algorithm for Ceramic Substrates, pp.1588-1592 Kai Xin,Gui Chen,Zhengshun Fei,Jianxin Chen,Xiangyu Qin,XiaSheng Ding

LEC Strategy of Power System with Hybrid Regulation Resources: A Multi-Agent-Based Reinforcement Learning Algorithm, pp.1593-1598 Huixin Jiang, Chongxin Huang

Security indirect adaptive iterative learning control for nonlinear systems with fading channel under DoS attacks, pp.1599-1604 Yukun Wang,Dong Liu

Fixed-time guidance law for multiple missiles with impact angle constraint against maneuvering target, pp.1605-1610 Yunwan Gao,Ke Xu,Jinyu Fu,Liang Chen,Huajie Zhu,Xuehai Chen

Neural Network Control for Fuel Cell Boost Converter based on Particle Swarm Optimization, pp.1611-1615 Yunlong Wang,Gaochang Wu,Cunliang Ye,Pengxu Li ,Yongfu Wang

Selecting or Ranking: Point Localization with Order-Preserving Regularization, pp.1616-1621 Zailin Dong,Junbiao Pang,Jiaxin Deng

Solving Distribution Shift in Quantization-Aware Training via Channel-wise Standardization Distillation, pp.1622-1627 Tianyang Cai,Junbiao Pang,Jiaxin Deng

DSMT: RGB-D dual-stream multi-task model for multi-granularity semantic understanding, pp.1628-1632 Shilong Wu,Sihan Chen,Yadong Wang,Hao Liu,Zirui Tao,Yaohui Zhu,Tianyu Shen,Kunfeng Wang

Research on a Current-Controlled Voltage Regulation Digital System for Online Electrochemical Impedance Spectroscopy of Space Fuel Cells, pp.1633-1638 Xue Xu Iterative Motion Planning for UAVs Based on Safe Airspace Skeleton and Kinematic Feasibility Constraints, pp.1639-1644 Weiwei Zhu,Lingli Yu,Zheng Tan,Jianzhi Zhou

Bipartite consensus algorithm under second-order multi-agent systems with matrix weight-based network, pp.1645-1651 Yu Wang,Guoping Jiang,Yingjiang Zhou,Yuefan Zhai,Ming Lu

LSTD: Stable Triangle Descriptor of Line Keypoints for Loop Closing in 3D lidar SLAM, pp.1652-1657 Zheng Tan,Lingli Yu,Jianzhi Zhou,Weiwei Zhu

Multi-Terrain Adaptive Control for Knee Exoskeletons: Development and Experimental Evaluation, pp.1658-1663 Jing Qiu,Liang Dong,Ran Guo,Yulong He,Hong Cheng,Wenjiang Li

Human Arm Trajectory Prediction Framework for Safe and Efficient Human-Robot Collaboration, pp.1664-1669 Baocai Pei,Binpeng Wang,Lin Sun,Qi Meng,Chao Feng

Low-Rank Compression of CNN Models Based on Efficient Rank Parameter Learning, pp.1670-1675 Hao Liu,Zheng Jiang,Bin Liu,Liang Li,Xiaokang Zhang

Multi-Algorithm Fusion Framework for Trajectory Prediction of Human Upper Limb Motion, pp.1676-1681 Baocai Pei,Binpeng Wang,Lin Sun,Zhaoxin Zhu,Chao Feng

MSSNet: LiDAR-Camera Extrinsic Calibration Based on Multi-Modal Semantic Similarity, pp.1682-1686 Chao Xu,Yadong Wang,Jinying Zhang,Yaohui Zhu,Tianyu Shen,Kunfeng Wang

Differentially Private Consensus Under Quantized Communication With Dynamic Event-Triggered Mechanism, pp.1687-1692 Danzhe Liu, Lijuan Zha, Jinliang Liu

Prediction of Office Building Air Conditioning Cooling Load Based on the CEEMDAN-TPA-LSTM Model, pp.1693-1697 Hao Jiang,Geng Qin,Yixin Su, Danhong Zhang,Mengtian Yang

StableSort-CMC: a tracking algorithm for robot dog based orchard fruit counting, pp.1698-1703 Wenli Zhang, Ansheng Huang , Chao Zheng, Kaiwen Jiang , Wei Guo

Research on Cooling Load of Central Air Conditioning System for Cruise Ship, pp.1704-1708 Haodong Hu, Ruiwen Ren, Danhong Zhang, Yingda Tang

Deep Koopman Embeddings for Unidirectional Phase-resolved Wave Prediction, pp.1709-1714 Zhongying Feng,Zhan Wang,Yuxin Zhao,Ye Wang

DIG-YOTR: An End-to-End Environmental Pollution Detection Network for UAV Images, pp.1715-1720 Junjie Pan,Xunsheng Ji,Peijue Ma

Adaptive Control for a Class of Strict Feedback Nonlinear Systems under Replay and Actuator Attacks, pp.1721-1726 Yiheng Shangguan, Wenjing He, Yukun Shi, Youqing Wang

Robust Robot Control Policy Learning Based on Gaussian Mixture Variational Autoencoders, pp.1727-1732 Qingwei Dong,Peng Zeng,Chuanzhi Zang,Guangxi Wan,Xiaoting Dong,Shijie Cui

Multiple Graph Neural Networks and Transformers for Vehicle Trajectory Prediction, pp.1733-1738 Jie Yang, Jianwei Liu

Study of a Combined Thrust-torque Calibration Equipment with Uncertainty Evaluation, pp.1739-1743 Zhongjia Jin,Wentao Wang,Liuyun Deng,Xidong Ni,Yukui Tian,Lixian Sun

Observer-based sliding mode control triggered by CPS events under periodic denial of service attacks, pp.1744-1749 Lei Fu, Chenliang Gu, Guojie Zheng

Architecture Selection Method Based on Densely Connected Neural Architecture Search, pp.1750-1755 Lixuan He,Runsheng Ni,Ke Xu,YuPeng Piao,Chenhua Liu

Design of Cruise Ship Engine Room Ventilation System Based on Asymmetric Variable Universe Fuzzy Control., pp.1756-1760 Yingda Tang,Ruiwen Ren,Danhong Zhang,Haodong Hu,Jialong Li

Path Planning for Mobile Robots Based on the Improved Adaptive Ant Colony Algorithm, pp.1761-1766 Yong Li,Neng Long

Finite Time Stability Analysis of Interval Type-2 Fuzzy Polynomial Positive Systems Based on Interval Type-2 Fuzzy Lyapunov Function, pp.1767-1773 Aiwen Meng,Zuokuang Song,Zhaoyan Zhang,Peiguang Wang

Digital Predictive V²C Peak Controlled Buck Converter With Current Observer, pp.1774-1779 Zongrui Han,Chen Chen

Dynamic event-triggered H∞ fault-tolerant control for aero-engine distributed systems, pp.1780-1785 Chongzhi Liu,Xiaojun Tang,Zeyu Zhang,Xiaoshan Li,Zhe Li

Phased Optimal Experience Replay Method, pp.1786-1789 Zhou Fang,Huilin Jiang,Lei Ren,Miaolei Zhou

Disturbance rejection study and validation of the control law for the guide vane of variable geometry low pressure turbine, pp.1790-1795

Chuhang Li, Yongfeng Gao, Zehao Wang, Xian Du

A dynamic class incremental learning expansion architecture based on Multi-level deep knowledge distillation, pp.1796-1801 zhou-zou, Jian-wei Liu

Adaptive event-triggered partially mode-dependent filtering for delayed Markov jump systems, pp.1802-1807 Weifeng Xia

Disturbance-rejection Control of Motor Position Servo Systems with Experimental Evaluation, pp.1808-1813 Zhengquan Pan, Jianyu Yang, Guoyang Cheng

Stability Analysis of Quasipolynomials with Complex Coefficients: A Frequency-Sweeping Approach, pp.1814-1819 Xu Li, Jian-Chang Liu, Xu-Guang Li

A Short-term Traffic Flow Forecasting Model Based on OOA-BP Neural Network, pp.1820-1825 Lei LIU, Jian ZHANG

Target Recognition Inference Based on Knowledge Graph and Graph Neural Network, pp.1826-1831 Wei Li,Hongfeng Xu,Yuan Li

Single-pixel detection based tracking of multiple moving objects using window geometric moment, pp.1832-1837 Ao Wang,Zhao-Hua Yang,Qing-Fan Wu,Bo Tang,Shuai-Jun Zhou,Yang-Yang Shi

Predefined-Time Synchronization for Variable-Order Fractional Chaotic Systems via Smooth Control, pp.1838-1843 Yingxiao Liu,Chuang Liu,Haoyu Liu,Zihan Wei,Yuxin Tao,Zhixin Zu,Liping Chen

Formation control of a group of quadrotor aircraft based on Nash equilibrium, pp.1844-1848 Fangyu Cai, Yiqing Huang, Zi' an Cheng

Leveraging Siamese Framework for Enhanced Contextual Feature Learning in Traffic Forecasting, pp.1849-1854 Ziheng Yao, Zhiwen Wang

Real-Time Scheduling for Multi-Cluster Tools with Residency Constraints by Deep Reinforcement Learning, pp.1855-1860 Zhu Dewei, Feng Yiping, Ni Dong

Multi-robot formation obstacle avoidance based on virtual robots and improved artificial potential fields, pp.1861-1866 Yong Li,Liaoning Chai,Chao Wu

Meta-reinforcement Learning Task Planning Based on Improved Curriculum Learning Sampling, pp.1867-1871 Wen Zhang, Jing Wang, Ning Wan

On Exploring Robustness of Scene Text Detection, pp.1872-1877 Shilian Wu, Jian Wang, Zhongxin Yin, Chunjie Cui, Yongrui Li

Research on water cooling plate simulation system based on finite element, pp.1878-1883 Ziwen Wang ,Hui Cai,Lingzhi Li,Zhiming Zhang,Hongwei Wu

Human Skeleton-based Action Recognition Algorithm Based on Improved PoseC3D, pp.1884-1889 Jiakang Dai,Yuping Feng,Qingxia Zhou

Multi-target tracking algorithm based on improved ByteTrack, pp.1890-1894 Kangda Tao,Yuping Feng,Shuai Gao

Rapid Estimation of Lithium-Ion Battery State of Health Based on Gaussian Process Dynamic Models, pp.1895-1899 Hao Yang

An Optical Path Tracking Control Method for Robots based on Laser Sensing, pp.1900-1905 Junyi Hu, Shuyue Zhang, Yonghua Guo, Yu Han, Wanquan Liu, Jianqing Peng

Binocular Pupil Detection Based on Adaptive Gabor Filter, pp.1906-1911 Xiangyang Li,Chirong Wu,Xiaona Li,Junhong ZHAO

An effective heuristic algorithm for the two-dimensional orthogonal packing problem, pp.1912-1917 Yue Li, Xiangjing Lai, Chenglong Ge

An effective heuristic algorithm for the two-dimensional variable-size bin packing problem with circular containers, pp.1918-1922 Chenglong Ge, Xiangjing Lai, Yue Li

Research on Digital Twin System of Large Aircraft Ground Dynamics Test Platform, pp.1923-1928 Jiyang Sun,Hongxin Wang,Yifan Shao,Shengjie Li

Adaptive Neural Control of Robotic Manipulators with Adaptive Disturbance Compensation, pp.1929-1934 Tian Li,Min Wang

An Improved Data Mapping Method and Sensitivity Analysis for Roadside LiDAR, pp.1935-1940 Zihao Zhang,Ning Zhang,Shengtao Zhang,Tao Zhao,Yuan Tian,Jianqing Wu

Fault Diagnosis of NPC Three-Level Inverters Based on VMD-SE and SMA-SVM, pp.1941-1946 Baoye Song,Mengru Zhao,Qing Su

SAVJTNNGAN: more specific information for graph structure translation, pp.1947-1952 WenBin He,Qing Zhu,Bo Ouyang,YaoNan Wang

Time Delayed Bilateral Teleoperation Using A Novel Wave Variable Architecture With Position Compensation, pp.1953-1958 Hui Chen,Min Wang

A Dataset Production for Fault Diagnosis of Mining Induction Motors, pp.1959-1963 Baoye Song,Qing Su,Qizheng Zhang

Dynamic Learning from Adaptive Neural Control of Nonlinear Nonminimum Phase Systems, pp.1964-1969 Min Wang,Yang Hu,Hongfei Poon *CSTFnet: Cross-scale Spatiotemporal Predictive Framework for Seasonal Prediction of Sea Surface Temperature*, pp.1970-1975 Rixu Hao,Yuxin Zhao,Xiong Deng

Knowledge-driven Target Trajectory Prediction Method for BVR Air Game Mission, pp.1976-1981 Xizhong Yang ,Feiran Yuan,Minyu Wu,Jingqi Tu,Xinwen Ye,Yiqun Dong

GS-U-Net-An Catalyst Image Segmentation Model, pp.1982-1985 Zhujun Wang,Song Bao

A Novel Photovoltaic Maximum Power Point Tracking Control Method Under Partial Shading Conditions, pp.1986-1990 Minghao Ye,Zhen Guo,Jiqiu Nai,Shuang Chen,Haitao Yu,Min Zhang

GPNet: Point Cloud Semantic Segmentation Network for Off-Road Scenes, pp.1991-1996 Xudong Liu,Tao Hong ,Yi Yang,Yuanze Gui

Motion Control of Robot Jellyfish Based on Umbrella Structure Actuator, pp.1997-2001 Zhengke Wen,Chuanhao Yu,Junwei Zhou,Zixin Huang,Zilin Shu,Xiaolong Hui

Optimal Prices for Coordinated Operation of Coupled Transportation and Power Systems, pp.2002-2007 Jia Li,Bin Li,Qincheng Li,Zhitao Liu,Hongye Su

A Noble EEG Classification Method Using Wavelet Scattering of Feature Extraction for Mental Attention State Detection, pp.2008-2012 Yuhuang Zheng

CBMA-ViNet: A Path Planning Network Integrated with Attention Mechanism and Multi-Level Abstract Maps, pp.2013-2018 Jianzhi Zhou ,Lingli Yu,Weiwei Zhu,Zheng Tan

IUS-MAAC: Multi-Agent Attention-Critic for Task Offloading in Integrated User-Server Mobile Edge Computing, pp.2019-2024 Liang Zhu, Shanxin Zhang, Linbo Xie

Model Adversarial Attack and Defense Based on Network Reorganization, pp.2025-2029 Xiaotong Cui

Research on the Schedulable Potential of Aggregated Electric Vehicle Clusters in Virtual Power Plants, pp.2030-2035 HaoRan Sun ,Hui Ge,Chao Yang

Enhancing Few-Shot Plant Disease Classification with Diffusion Model, pp.2036-2040 Jun Huang,Zhiwei Wang,Ming Xu,Longhua Ma,Wenxiang Wu,Jiaxiang Cao

Bearing Fault Diagnosis in Noisy Environment based on Continuous Wavelet Transform and Convolutional Attention Fusion Network, pp.2041-2046 Jianyong Tuo,Chenyang Li,Yanzeng Liu,Youging Wang

Uncertainty quantification of multi-source information fusion model, pp.2047-2052 Keyi Zhou, Ningyun Lu, Bin Jiang, Mengjie Zeng, Chi Zhang

Research on the Expansion Algorithm of Leakage Magnetic Flux Defect Image Dataset for Long-Distance Oil and Gas Pipelines Based on DCGAN-Res-CBAM, pp.2053-2058 Zhujun Wang,Yulong Jiang

SFMixer: Local Periodic Features in Frequency Domain and Global Features in Time Domain Modeling for Long-Term Time Series Forecasting, pp.2059-2064 Pengqi Wu,Jianwei Liu,Jiayi Han

Learning Representations of Tail Entities via Interactions and Scalar Fusions among Subspaces of Head Entities and Relationships, pp.2065-2070 Penggi Wu,Jianwei Liu

Adaptive Finite-time Control for Nonlinear Time-delay Systems with Output Constraints, pp.2071-2076 Tianyu Jiang

Robust Divergence Learning for Missing-Modality Segmentation, pp.2077-2083 Runze Cheng,Zhongao Sun,Ye Zhang,Chun Li

Simultaneous Data Reconciliation and Gross Error Detection in Olefin Plants by the Expectation Maximization Algorithm Based on Gaussian Mixture Distributions, pp.2084-2089 Hong Yang, Yuan Yuan, Xiaodong Xu

Machine Recognition and Subconscious Perception Characteristics of Musical Emotions, pp.2090-2095 Duo Xu

Performance guaranteed composite adaptive neural consensus control for uncertain multiagent systems, pp.2096-2101 Guofa Sun, Fengyang Pan, Jiaxin Zheng, Qingxi Liu

Safety Risk Assessment in Fluid Catalytic Cracking Units Based on HAZOP and Knowledge Graph, pp.2102-2107 Yanjun Liu,Peihang Xu,Runlong Wang,Qi Sun,Chunjie Zhou

HSTRL: A Hybrid Spatiotemporal State Model for Mobile Agent Autonomous Navigation, pp.2108-2113 Shanyuan Hu,Yaonan Wang,Yang Mo,Lin Chen,Lei Jian,Jinyang Meng

Safety Equipment Wearing Detection Based on YOLO-MT in Coal Yards, pp.2114-2119 Jiaqi Xie, Fenghuang Cai, Qinqin Chai, Jiexiong Zhuang, Xiaoyun Zhang

Self-cutting T-LCL/LCC constant-current constant-voltage wireless power transmission system, pp.2120-2125 Shuang Chen,Zhen Guo,Minghao Ye,Jiqiu Nai,Zhaodong Li,Hailong Zhang

Loop Detection Method Based on Multi-Frame Background Point Distance Histogram Encoding, pp.2126-2131 Yilong Deng, Shiqian Wu, Xiaokang Zhang, Yasong Shi, Caiqi Wang, Yi Xiong

Research on Multi-sensor Combination Optimization for Skiing Behavior Recognition, pp.2132-2137 Xinyue Li,Zhen Chen,Yijia Zhang,Xiangdong Liu,Ruijuan Tian

A Portable and Open-source Potentiostat for Continuous Electrochemical Analysis, pp.2138-2143 Anzhi Xie,Sijie Yin,Zhiyang Jia,Hao Chen

A Binocular Vision-Based Method for Volume Measurement of Colloids, pp.2144-2149 Binrong Liao,Yuxuan Li,Hao Zhang,Cong Zhu,Yongkuan Yang

Enhancing Category-Level 6D Object Pose Estimation with a Point Cloud Completion and Deformation Network, pp.2150-2155 Shiwen Yan, Keqin Yan, genke Yang

Research on geomembrane leakage detection method based on quadruped robot, pp.2156-2161 Dongli Yuan, Pengcheng Zhang, Haohao Zhao, Ningning Hu, Xiao Wang, Qingbiao Xi, Linfeng Qin, Xingchen Wu

PSNet: Local Context Perception and Global Semantic Information Extraction Based Detector for Power Scenario Defects Detection, pp.2162-2167 Hang Liu,Hui Zhang,Baheti Biekezat,Sheng Wu,Jian Xiao

Ascent Trajectory Planning for Combined-Power Reusable Launch Vehicles Based on the DDPG Algorithm, pp.2168-2173 Xinhua Zhao,Kelong Han,Meng Wang,Jintao Li,Fei Zong

CaSTGCN: Deep Learning Method for Information Cascade prediction, pp.2174-2179 Shi-bo Huang, Gang Zhang, Hao-bo Liu, Chen-xi Zhang, Jian-wei Liu

An Optimal Efficiency Online Planning for LEO/GEO Inter-Layer Link Establishment with Antenna Pointing Constraints, pp.2180-2185 Cai Yao,Lin Shuyu,Li Miao,Zhang Hao,Wu Jun

Research on Landslide Risk Monitoring Method Based on Machine Vision, pp.2186-2191 Ze Song, Jiayuan Zhang, Zi' ang Li, Tingting Cui, Yuqi Cao, Dibo Hou

Attitude Optimal Control Based on Anti-Trembling Nonlinear Extended State Observer, pp.2192-2196 Yujie Lan, Xiaoyu Lang, Zhen Chen, Xiangdong Liu

Refinement Based on Contour Alignment for Monocular 6D Object Pose Estimation, pp.2197-2202 Yongliang Lin,Wen Yang,Song Jin,Chun Her Lim,Yu Zhang

ORB-SLAM3 Front-End Acceleration System Based on ZYNQ Platform, pp.2203-2208 Qinwei Luo, Jianfeng Zhu, Hailong Pei

Design of nearly linear phase IIR fractional order digital differentiators using Iterative Convex Optimization algorithm, pp.2209-2213 Juan Chen, Xuewen Wei, Hailong Meng

Quantized control of semi-Markovian jumping bilinear systems with fractional Brownian motions and saturation actuators, pp.2214-2219 Jing Xie

New End to End Trajectory Tracking Controller for Spherical Robot Based on Feedback Linearization and Singular Perturbation, pp.2220-Pengyang Fu, You Wang, Xiaoqing Guan, Heng Ping, Guang Li

A Novel Lightweight Model for Underwater Small Object Detection, pp.2226-2231 Fenghao Liu, Yuhuan Fei, Meng Su, Ran Zang, Xufei Sun, Gengchen Wang

Spatial-Temporal Graph-Based Distributed Optical Fiber Sensing Method for External Breakage Event Recognition, pp.2232-2237 Feng Fang,Zijie Lin,Linbo Xie,Jielong Yang

Terahertz Metasurfaces Based on Different Coupling Regimes for Sensing, pp.2238-2241 Heng Liu, Liran Shen, Yuqi Cao, Pingjie Huang, Guangxin Zhang

Design Of Nearly Linear Phase IIR Fractional Order Digital Integrators Using Iterative Convex Optimization Algorithm, pp.2242-2246 Xuewen Wei, Juan Chen, Hailong Meng

Boundary control to the stabilization of the Euler-Bernoulli beam under external disturbances, pp.2247-2251 Yingying Wang,Wei Wu,Xuyang Lou

Prediction of Joint Angles for Human Elbow Motion Based on sEMG, pp.2252-2257 Jinqiang Wang, Dianguo Cao, Hongyu Liu, Yuqiang Wu

Improved hyperbolic sine and cosine optimizer that fuses Golden sine algorithm and Tent chaos mapping, pp.2258-2263 Yuntao Zhao, Lixin Fang

Digital Twin Driven One-Step Fastening in Robotic Flexible Printed Circuit Assembly, pp.2264-2269 Zixuan Zhang,Yongjia Zhao,Ning Zhang,Ruize Sun,Haoming Wang

Deep feature decomposition autoencoder: Intelligent fault diagnosis for unknown faults in landing gear systems, pp.2270-2275 Mengjie Zeng, Ningyun Lu, Tingqian Tu, Keyi Zhou, Ruizhi Qin, Bin Jiang

A Multi-Objective Capacity Optimization for Integrated Energy Systems Considering Green Certificate Trading, pp.2276-2281 Weitong Guan, Ke Li, Haiyang Wang, Jianfei Chen

Auto-Regressive with Exogenous Input Modelling Based Model Predictive Control of Cement Grate Cooler, pp.2282-2287 Tian Zhang,Gang Yu,Wangyong He,Renjie Gui,Weikang Wu

Detection of False Data Injection Attacks: An Extending Dimension Data Modification Scheme, pp.2288-2293 Aokang Huang,Bin Liu,Weihua Huang

Design of Control System for Four-Wheel Steering Omnidirectional Mobile Forklift, pp.2294-2299 Tengxiao Zhao,Meng Li,Jun Xv

BCFN: Bi-directional Consistent Fusion Network for 6D Object Pose Estimation, pp.2300-2305 Yongliang Lin,Chun Her Lim,Song Jin,Wen Yang,Yu Zhang

An IMU-Only Attitude Solution and SLAM Loosely Coupled System for UAV Localization in Camera-Failure Scenarios during Nuclear Rescues, pp.2306-2311 Yuqiang Chen,Zhihong Peng,Yukun Li,Shilei Shan

An Infrared Maritime Target Tracking Algorithm Based on Temporal Context, pp.2312-2317 Yuxing Li, Wenbo Zhang, Dongsheng Guo, Ziyang Zeng, Zeli Yang, Xiyuan Zhang

A High-sensitivity Frequency Shift Detector for QCM-based miniaturized Sensing System, pp.2318-2322 Chenyang Gao,Shuyu Fan,Haozhen Chi,Yipei Yao,Dibo Hou,Yunqi Cao

Label Self-Correction Intelligent Diagnosis Method and Embedded System for Axle Box Bearings of High-Speed Trains, pp.2323-2328 Yaning Li,Bin Yang,Yaguo Lei,Xiang Li,Tianyu Wang,Li Li

Design of Motion Control System for Automatic Pusher Robot, pp.2329-2334 kun zhao,Meng Li,Dongxue Wang,Zhen Li

A Novel 3D Defect Detection System for Complex-Shaped Components, pp.2335-2340 Zhi Li, Erdong Sun, Mingwei Li, Xiuqin Shang, Tianbo Yang, Fei Shen

Design of low-pass IIR digital differentiator with approximately equal ripple group-delay based on iterative reweighting method, pp.2341-2345 Qilong Tian, Hailong Meng, Zitong Chen

Multi-Beacon Long Baseline Positioning Method Based on Fixed-Point Homotopy, pp.2346-2351 Yao Xing, Xuanying Zhou,Zhangming He,Yu Lu,Jiongqi Wang

A Data-Driven Personalized Gait Generation Method for Ankle Dorsiflexion Assistance on Soft Exosuit, pp.2352-2357 Xuyi Fang,Fashu Xu,Kang Li,Birong Dong

Optimal scheduling strategy for intelligent building cooperation game considering generalized energy storage, pp.2358-2363 Jie Zhao,Xia Zhou,Donglin Liu

Multi-UAV Coverage Path Planning Method Based on Improved Particle Swarm Optimization, pp.2364-2369 Yan Zhou, Yonghua Xiong

Optimizing Bounding Box Regression in Complex Backgrounds, pp.2370-2375 Jun Chen, Haiyan Zhang, Anjun Yu, Yiwei Wang

Straight-line autonomous walking for quadrupedal robots, pp.2376-2381 Shen KaiXin,Xin Zhou,Tao Jiang,Yang Zhang,Yong Huang,Keyan Liu

Construction Method of a Virtual Debugging System for Equipment Based on Digital Twin, pp.2382-2387 Yihao Shen

A Survey of ranging algorithms based on Binocular Stereo Vision, pp.2388-2393 Feichao Han, Jiangsheng Liu, Guangyao Zhang, Tong Yu, Xiaoran Zhang, Juan Qian

A Contact-Aided Model for Soft Continuum Robots Moving in Unstructured Environment, pp.2394-2399 Jingyu Zhang,Qin,Mingjian Sun

A Twin Primal-Dual DDPG Algorithm for Safety-Constrained Reinforcement Learning, pp.2400-2405 QinJingsheng,Lingjian Ye

An APF path planning method for multi-agent systems under butterfly algorithm optimization, pp.2406-2411 Jiangtao Li,Aimin An,Haochen Zhang,Bo Yu

MDAF: Enhancing Temporal Dynamics in CNNs for Action Recognition, pp.2412-2417 Dousang Wu,Hui Zhang,Yihong Cao,Rui Du,Baheti Biekezat

Research on post weld heat treatment control system for ultra large carbon steel workpieces based on fuzzy PID, pp.2418-2422 Liu Hongchang,Qin Qingliang

Assessment of dispatch potential of adjustable resources in distribution network based on comprehensive assignment of CRITIC-G1 method, pp.2423-2428 Ruijia Sun,Xia Zhou,Ruifan Liu

Optimizing Speech Recognition Models with Effective Confidence Calibrations, pp.2429-2434 Tingqiao Xu,Jianxun Li

MRF-SegFormer : A Magnetic Leakage Defect Segmentation Network based on Segformer, pp.2435-2440 Zhujun Wang ,Rongtai Ni

Research on Pole Placement Control Based on EKF Missile Parameter Identification, pp.2441-2445 Weilai Jiang,Sichao Zhou,Lunjun Liu,Yaonan Wang

Research on temperature control of welding wire heating system based on Smith prediction , pp.2446-2449 Chao Feng, Qingliang Qin *Research on the temperature control system of TP347 induction heating based on fuzzy neural PID*, pp.2450-2453 Qingliang Qin,Chao Feng

SESGMS: A Welding Seam Extraction Method Based on Spherical Gaussian Mixture Sampling, pp.2454-2459 Chuxiong Wu,Haotian Zhou,Huasong Min

A Simulation Research Method for Data Injection Attacks on DC Microgrids by Typhoon HIL, pp.2460-2465 Yunhui Hou

DNGF-LS A Dynamic Non-Ground Points Filtering LiDAR SLAM Based on Sparse 4DCNN, pp.2466-2471 Tingtian Chen,Qi Wang,Huasong Min

Few-shot Pose-free View Synthesis with 3D Gaussian Splatting, pp.2472-2478 Huang Yuan,Xu Chi

Image-based Detection of the Fineness Modulus of Manufactured Sand, pp.2479-2484 Xiaoyang Wu,Xiaoyan Liu,Fei Li

Design and Implementation of Automatic Pusher Robot Remote Monitoring System, pp.2485-2489 Zhen Li, Meng Li, Kun Zhao

Fourier-Based Formation Control of Multiple Unmanned Surface Vessels Using a State Error Port Control Hamiltonian Framework, pp.2490-2495 Zichen Wang,Ying Zhang,Qian Gao,Jian Chen,Chengxing Lv

GRRL: Goal-Guided Risk-Inspired Reinforcement Learning for Efficient Autonomous Driving in Off-Road Environment, pp.2496-2501 Yang Chen,Rongchuan Wang,Yi Qu,Chongshang Yan,Wenjie Song

Versatile Jumping of Humanoid Robots via Curriculum-Assisted Reinforcement Learning, pp.2502-2508 Ruiyu Tan,Xueai Li,Fenglei Ni,Dong Zhou,Yi Ji,Xiangyu Shao

PVTimesNet: A Hybrid Deep Learning Method for Enhancing Ultra-short-term PV Power Forecasting, pp.2509-2513 Ji Wu,Kai Wang,Wenwen Ma,Jingxin Zhang,Shibo Wang

A real-time controller for HMPT based on EPICS and LoongArch, pp.2514-2517 Qi Deng, Zhenghan Yang, Lifeng Han, Kaihua Jiang, Zhimin Dai

Lightweight Similar Object Detection Method based on Improved RT-DETR, pp.2518-2522 Hao-Hui Xu,Wei Chen,Bao-Lin Zhang

Topological-Semantic Structure and Attribute Representations Decoupling Learning for Improved Graph Neural Networks, pp.2523-2528 Jiahao Long

Reliability-aware and Cost-efficient Planning Methods for Hydrogen-based Multi-energy Systems in Off-grid Mode, pp.2529-2534 Qiuyan Jiang,Liang Yu,Zhiqiang Chen,Fei Wang

An optimized three-phase three-level VSVPWM modulation algorithm, pp.2535-2541 Kai Yang, Yan Xia, Renzhao Chen, Yang Chen, Jinhui Shi, Ke Li

Neural Network-based Model Predictive Control with Active Disturbance Rejection for Quadrotor Systems, pp.2542-2547 Yizhou Ji,Jiajun Qian,Liang Xu,Xiaoqiang Ren,Xiaofan Wang

A Fruit Detection Model in Complex Environments Based on Attention Mechanism and Feature Fusion, pp.2548-2553 Qian Nan, Wenhui Huang, Huasong Min

Continuous Self-Learning Control under System Identification based on Hopfield Neural Network, pp.2554-2560 TAN Tian-le,ZHU He,HOU Yue-yang,ZHANG Wen-jing

Structured Joint Sparse Discriminative Dictionary Learning for Image Classification, pp.2561-2565 Peng Lu,Yi Liu,Yuying Mao,Weiguo Sheng,Jiusun Zeng,Chenxi Yu,Yifen Shang

A Non-Calibration Nonlinear Errors Correction Method for Phase-shifting Patterns, pp.2566-2571 Yujie Zheng, Bin Chen, Shiqian Wu

BFMF-Net: Bimodal Feature Multiscale Fusion Network for Multilayer Steel Bar Intersection Detection, pp.2572-2576 Qian Li,Zhenfeng Xue,Li Fan

Research on atmospheric pollutant concentration prediction model based on the BO-GRU neural network with MIV algorithm, pp.2577-2582 Yuxin Jia,Nan Guo,Junfei Qiao,Wenlu Li,Yueyang Sun,Xiaolong Gao,Wei Xiong

A Building Integrated Energy System Scheduling Strategy Considering Wind and Photovoltaic Output Correlation Based on Improved Information Gap Decision Theory, pp.2583-2588 Donglin Liu ,Xia Zhou

YOLOv8-Sea: An Efficient Object Detection Network for Sea Surface Scenarios, pp.2589-2594 Jiaxing Duan, Wenliang Yuan, Shiping Sun, Xiaogang Zhang

A Novel Short-Term Load Forecasting Model Based on Bidirectional Long Short-Term Memory and Kolmogorov-Arnold Network, pp.2595-2600 Jiaqi Wang,Linghua Zhang, Feng Hu

Electric vehicle load prediction based on CNN-BILSTM and XGBoost combined model, pp.2601-2606 Guiyu Liu,Xia Zhou

Enhanced Short-Term Load Forecasting Using BILSTM and AdaBoost with Error Correction, pp.2607-2611 Jiaqi Wang , Linghua Zhang, Feng Hu

Collaborative Scheduling Strategy for Electric Vehicle-Wind Considering Carbon Trading and Controllable Potential Assessment, pp.2612-2617 Qianhang Wang,Xia Zhou,Guiyu Liu

Resource Allocation in Non-Cooperative Game Models with Reinforcement Learning, pp.2618-2623 Linyao Wang,Qiyong He,Kai Chen,Xiuxian Li,Li Liang, Youqing Wang

Short-term Trajectory Prediction of USV Based on Multi-source Data, pp.2624-2628 Wenxiong Yang,Zhengfeng Xue,Li Fan

Deep Longitudinal Dynamic Model for Electric Semi-Trailer Trucks with Varying Load, pp.2629-2634 Weiwu Xu,Yuepeng Hu,Shiyu Yu,Bingxi Jia,Zheng Yang

Research on Infrared Target Detection Technology Applied to Nighttime Scenarios, pp.2635-2640 Xiaoye Wang , Qingfu Ge, Runmin Wang, Feng Zhang

Self-Contrastive Learning Fault Diagnosis Network for Signal Imaging: A Case Study, pp.2641-2646 Wenbin He,Jianxu Mao,Yaonan Wang,Zhe Li,Feng Yan,Kexin Liu

Overlapping Region Estimation-Based Point Cloud Registration, pp.2647-2652 Ke Wang,Qing Zhu,YaoNan Wang,JiaWen Zhao,Lin Chen,Zhen Zhou,Jianan Huang,Zhenyu Huang

Semi-Supervised Curriculum Learning for Ultra-Wide-Angle fundus Optic Disc Segmentation, pp.2653-2657 Yingkai Wang,Yiyi Chen,Jiayi Wu,Jingmin Xin

CaFI: Cascade Frustum-Image Fusion Network for 3D Object Detection, pp.2658-2664 Qian Wang,Xiaoyan Li,Wentong Wang,Boyue Wang,Yongli Hu,Baocai Yin

Long-Tailed Classification with Fused Latent Features and Contrast Learning, pp.2665-2670 Hongli Yuan, Jianwei Liu

MHDO-MAGE based Performance Optimization Strategy for Steam Generator Level Control System of Nuclear Power Plant, pp.2671-

Jinguang Shi, Xiangsong Kong, Xiaoyu Li, Zean Yang, Weiming Chen, Zhijiang Shao

Vision-based Automatic Constant Volume System for Volumetric Flasks, pp.2677-2682 Zeng Wang,Meng Li,Juan Zhang,ChunYan Han

Time-varying Formation Control for Multiple Omni-WMRs Based on ROS, pp.2683-2688 Dengguo Luo,Kaibin Su,Jun Zhao,Huimin Zeng

Identification of Abnormal Operating Conditions in Fused Magnesium Furnaces Using a Deep Multiview TSK Fuzzy System, pp.2689-2693 Chao Xi

An Improved Phone Screen Defect Detection Method Based on Multi-level Feature Fusion, pp.2694-2698 Yongfeng Zhou,Shanxin Zhang,Linbo Xie

Initial Population Optimization Sparrow Search Algorithm for Warehouse AGV Path Planning, pp.2699-2703 Shuhui Bi,Jun Liu,Dayong Qi,Ronghao Shang,Lisha Chen

Data-driven approximation of gene regulatory networks using extended dynamic mode decomposition, pp.2704-2709 Haojie Lin, Wenju Hu, Xuyang Lou, Yingying Wang

Robust H∞ Control and Smooth Transition of Thrust Closed-Loop and Inlet Unstart for Scramjet, pp.2710-2715 Zhixin Wang,Chen Wang,Xian Du,Lingcong Nie,Ximing Sun,Xinyue Wang

Adaptive backstepping fractional-order global sliding mode control for quadrotor aircraft, pp.2716-2721 Junhui Peng,Xiaoyu Shi,Xu Liu,Rong Qing,Hanjie Li

The Shape Perception Method for Space Continuum Robot Based on Structure-Sensor Integration, pp.2722-2727 Guopeng Wang, Senchun Yao, Xiaolong Zhang, Yuntao Li, Xinpeng Di, Yanmei Li

State of health estimation of lithium-ion batteries based on TiDE, pp.2728-2733 Hui Li,Fangshu Cui,Yuanhao Shi,Bohui Wang

Research on Frame and Table Recognition Based on CAD drawings, pp.2734-2738 Hui Zhong,Yuanman Miao

Transit search optimized least squares support vector machine for the state of health estimation of lithium-ion batteries, pp.2739-2744 Kangjie Wang, Fangshu Cui, Yuanhao Shi, Bohui Wang

Resistant Q-learning for Path Planning of Mobile Robot in Complex Environment, pp.2745-2749 Jingsong Gao, Zhaoyang Li

Learning to Control Inverted Pendulum on Surface With Free Angles Through Policy Distillation, pp.2750-2755 Baolin Shu,Wanyi Yao,Jianhua Lu,Wenzhang Liu

Open Vocabulary SAR Object Detection with Denoising and Scaled Box Loss, pp.2756-2759 Yuhao Jin,Qiujin Liang,Tao Zhang,Jiaqi Yu

BFD-DDPM: Denoising Diffusion Probabilistic Models for Bearing Fault Diagnosis, pp.2760-2765 Yuting Zhang, Boyuan Yang

Thermal Analysis and Optimization Design of Thermal Management Controller for Electric Trucks, pp.2766-2771 Anyu Cheng, Yuchen Zhang, Chao Peng, Yuting Sun, Jing Yuan, Baoxiang Wang *Dynamic event-triggering control for discrete time singular perturbed switched systems*, pp.2772-2776 Jianrong Zhao,Zicheng Li,Meiqing Zhang

Deep Reinforcement Learning based Information Age Minimization for Unmanned Aerial Vehicle Data Collection , pp.2777-2782 Lewei Ai, Junjie Fu

Research on the path of manufacturing digital transformation and upgrading driven by Big data based on Knowledge map analysis, pp.2783-2788 Shiqing Wang,Yang Wang,Qiongqiong Wei

ViMPose : Human Pose Estimation Based on Vision Mamba, pp.2789-2794 Bingchuan Yang, Wenyuan Cun,Gang Peng,Jingjing Guo,Chuangye Li,Jiong Zhao

Model-free fractional order differentiator based on modulating functions method, pp.2795-2800 JiaChang WANG,Ye WANG,Yong WANG,GaoFeng Lv

A Transformer-Based Surrogate Model Predictive Control for Complex Chemical Processes, pp.2801-2806 Dazi Li,Yu Gu

Semi-Process Noise Distillation for Continual Mixture-of-Experts Diffusion Models, pp.2807-2812 Jiaxiang Cheng,Yiming Liu,Bo Long,Zhihao Wu,Liang He,Tian Wang

Finite-time Prescribed Performance Cooperative Control of Multiple Unmanned Aerial Vehicles under Actuator Faults, pp.2813-2818 Pengyue Sun,Ziquan Yu,Haichuan Yang,Youmin Zhang

An Embedded Temporal Information Graph Network for Traffic Accident Anticipation, pp.2819-2824 Huiyu Fu,Zengfu Wang,Song Luo

Advanced Detrending and Denoising of Industrial Oscillation Data Utilizing CiSSA, pp.2825-2830 Yumin Lang,Jiande Wu,Xun Lang,Wanke Yu,Chuanyan Yang,Hongye Su

A method of relay UAV deployment for emergency communication scenarios in disaster areas, pp.2831-2836 Cancan Tao,Bowen Liu,Yi Han,Qiangqiang Chen,Jun Ye,Ronglin Zhong

Adaptive Path-Optimal High-Precision Rapid Maneuver Control Algorithm for Optical Imaging Satellites, pp.2837-2842 ZhuJinJin

A Kalman Filter Method for Train Operation State Estimation that Use Underdetermined Least Squares Estimation Model Error, pp.2843-2848 Yi Zhao,Tao Wen,Baigen Cai

A Novel Robust Deep Learning Aided Kalman Filter For State Estimation, pp.2849-2854 Haiyan Zhao,Hao Zhu,Qing Yang,Sin-Chi Kuok

Warming Up A Backup Control Barrier Function, pp.2855-2860 Weijia Wang, Tao Meng, Xiaofeng Zhao, Jiakun Lei, Kun Wang

A Method for Scattering Removal in Three-Dimensional Fluorescence Spectra Based on Physics-Informed Neural Networks, pp.2861-2866

Lingke Zhang, Jie Yu, Xingyu Fan, Shuai Cao, Qiuhao Zhang, Guangxin Zhang

GMM Weighted Pinball loss Twin Support Vector Machine, pp.2867-2872 Shuaiyong Li,Xu Zhang,Zeyuan Yang

Simultaneous 2D and 3D Lane Detection Algorithm based on Multi-Granularity Lane Attention, pp.2873-2878 Shiqiang Dai , Hao Zhu, Jinjing Chen , Xianlun Tang

A modified cellular automata model for crowd evacuation considering pedestrian fallen and helping behavior, pp.2879-2884 Jintao Chen

Research On 3D Target Detection Algorithm For Vehicle-road Collaborative Perception, pp.2885-2890 Lanyong Zhang,Sunrui Jin,Tianyu Chuai

Analyzing the moving characteristics of pedestrians and non-motorized vehicles on a one-way road based on actual videos, pp.2891-2895 Junlong Qin

CFA: Consistent feature attribution for black-box adversarial attack against object detection, pp.2896-2901 Mingyang Li,Wei Zhang,Yadong Wang,Te Guo,Shilong Wu,Yutong Wang,Tianyu Shen,Kunfeng Wang

DRE-xLSTM: Distributed Reversible Embedding Extended Long Short-Term Memory (xLSTM) for Complex Industrial Data Imputation, pp.2902-2907 Wanqi Wang,Honggui Han,Fangyu Li

A Novel Method to Improve the Accuracy of Low-cost Gyroscope-based Attitude Estimation by Fusing Angular Acceleration Sensors, pp.2908-2913 Chaoyang Zhai,Meiling Wang,Zitian Xiong,Zhiheng Xiao

Sparse Millimeter-wave Radar Point Clouds based Transformer for Human Activity Recognition, pp.2914-2919 Binchao Liu, Jilei Li, Zuoting Song, Yunlong Xia, Ping Li, Qifeng Fan

Thermal Management of Open-cathode PEMFC based on NMPC and EKF, pp.2920-2925 Xu Huang, Hongye Su, Bin Cao, Yang Zhu

Ananlysis and Scheduling for Flexible Job Shop Problem based on Unreliable Degraded Machine Model and Finite Buffers, pp.2926-2931 Panpan Shangguan, Zhiyang Jia, Lengandong Shi, Sijie Yin, Minghao Duan, Jianchao Zhang Pointer-type Meter Recognition Based on Elliptical Bounding Box Detection and Reading Regression, pp.2932-2937 Mengjin Zheng, Wenbo Xiang, Le Zheng , Yaobin Mao

Intelligent Track Association Method Based on Deep and Composite Features, pp.2938-2943 Xuben Zhou,Deqiang Han

Reinforcement Learning with Model Predictive Control for Coordinated Operation of Power Plant, pp.2944-2949 Chuang Wang,Qinggan Wei,Yang Liu,Jun Zhao,Wei Wang

Simulation Analysis of Spatial and Temporal Registration Algorithm Based on Unity Toolbox, pp.2950-2955 Jianwei Pan, Deqiang Han

Research on Stabilization of Finite State Machine under Function Perturbation Based on STP, pp.2956-2960 Yanghong Zhou,Hui Tian,Yuehe Wu,Weiyang Zhong,Zhaolin Huang,Yukai Hu

Multi-Dimensional Conflict Graph-Based Scheduling for Varied Deadline Requirements in IWSNs, pp.2961-2966 Chenggen Pu,Huawu Cai,Ping Wang,Jinfeng Liao,Changjie Dong

Histogram Equalization Based Infrared Image Enhancement with FCOWA-ER, pp.2967-2972 Qian Luo, Deqiang Han

Aging Condition Monitoring for Aluminum Electrolytic Capacitor in Traction Rectifiers, pp.2973-2978 Yichen Chen, Min Wan,Yunjun Yu, Hongwei Tao, Yunquan Song, Ping Zhao

Underwater Target Recognition with Sonar Images Based on Multiple Classifier Systems, pp.2979-2984 Xinyi Wang,Deqiang Han

Learning-Based Defense Against Prediction-Based Displacement Attacks on Formation Control, pp.2985-2990 Bingtong Chen,Yushan Li,Shukun Wu,Chongrong Fang,Jianping He

A Learning Framework for Dexterous Manipulation Skills in Multi-finger Robot Hands, pp.2991-2996 Qi Wang,Xiucai Huang

Longitudinal Trajectory Planning and Attitude Control of Hypersonic Morphing Vehicle, pp.2997-3002 Wujie Dai, Zheng Fang, Zheng Li, Zhenyue Jia, Jianqiao Yu, Yong Yu

Vehicle Detection Method Based on Improved YOLOv8 in RGB-infrared Aerial Images, pp.3003-3008 Huijie Zhou,Aitong Ma,Shuangqian Zhou,Yifeng Niu

Distributed state estimation with random switching topology under sensor saturation constraints, pp.3009-3014 Fengzeng Zhu,Zhongqi Li,Ancai Zhang,Xiao Liang,Guochen Pang

Electrocardiogram Classification Based on Spatial-Channel Networks and Optimization Algorithms, pp.3015-3020 Xuewen Zhou, Jiejie Chen, Ping JIang

Noncontact Multi-Modal Biological Recognition Based on Three-Dimensional Integrated Learning, pp.3021-3026 Jian Tang,Yunhui Jiang,Yuxuan Li,Hua Xu,Fei Yu

Discussion on Function Definitions and Related Axioms within the Coq Proof Assistant, pp.3027-3032 Chen Ning,Yu Wensheng

Formalization of Natural Deduction System in Proposition Calculus, pp.3033-3037 Tingting Ji,Wensheng Yu

An improved variational mode decomposition with adaptive initial center frequency for bearing fault feature extraction, pp.3038-3043 Ying Wang,Xun Lang,Jiande Wu,Yuzhen Li,Peng Li,Yufeng Zhang

Research on Global Path Planning in Air-Ground Collaborative Robotic Systems Based on the ORB-SLAM3 Algorithm, pp.3044-3049 Tao Qin,Wei Su,Ge Xu,Xiao Zhao,Yanduo Zhang

Deceptive pollination process - Modeling based on individual agents, pp.3050-3054 Ting Wang, Mengya Wang

MAPPO and Hungarian Algorithm Based Collaborative Decision-Making for UAV Air Combat, pp.3055-3060 Anyang Lin,Bo Wang,Zhimin Han,Qiang Lv

Fault diagnosis for small samples based on VMR, pp.3061-3066 Xuejin Wu,Yanghu Hu,Yali Wu

Quantification of valve stiction in control loops using adaptive differential evolution algorithm, pp.3067-3072 Dong Yang,Xun Lang,Jiande Wu,Wanke Yu,Songhua Liu,Lei Xie

A Cognitive Tracking Method Based on Evaluation and Feedback, pp.3073-3078 Xiaoyang Lu,Yingce Zhao,Xingyu Bao,Jianxun Li

Screen-shooting Resilient Watermarking based on Invertible Neural Network, pp.3079-3084 Ruiyuan Wang,Yaobin Mao

A Deep learning approach to resolve velocity aliasing in blood flow velocity measurement, pp.3085-3090 Wang Cui ,Xun Lang,Bingbing He,Yufeng Zhang,Tingting Wan

Modeling and Prescribed Performance Attitude Control of Transport Aircraft, pp.3091-3096 Linfeng Qin,Xiaojun Xing,Rui Wang,Yiming Luo

Dynamic Multi-Channel Access in Heterogeneous Industrial Wireless Sensor Networks: A MADRL Approach, pp.3097-3102 Ping Wang,Chaoyong Zheng,Chenggen Pu, Zhiyi Tian Diffusion Modeling and Transformer Knowledge Distillation Techniques for Time Series Imputation, pp.3103-3108 Dan-ling Ruan ,Jian-wei Liu

A Deep Reinforcement Learning Based Cooling Control Approach for Data Center, pp.3109-3114 BaoChang Liu, Jiajun Liu, Jun Hao, Yaping Liu, HaiDong Wang, Yu Lan, Zhenquan He, Yuanjun Shen

LCTrack: Leveraging Convolutional Neural Network and Transformer for Visual Tracking, pp.3115-3120 Xianfeng Zhang, Xuedong Wu, Zheng Wang

Enhanced Deep Forest based Industrial Fault Classification with Static and Dynamic Feature Extraction, pp.3121-3126 Xiaoyong Zhang,Wanke Yu,Chuanke Zhang,Runzi Liu

Encoding-Decoding-Based Recursive Filtering for Nonlinear Systems Subject to Multiple Missing Measurements, pp.3127-3132 Yongxu Liu,Bo Jiang,Fan Yang,Jinnan Zhang,Hongli Dong

Design of User Experience Optimization System Based on Media Device Network Modeling, pp.3133-3138 Lu Ding,Luzhen Huang,Guangyuan Zhang , Bochen Li,Dan Huang,Lei Song

Lightweight Infrared Maritime Target Detection Algorithm Based on Fusion Shuffling Convolutional Attention, pp.3139-3144 Ziyang Zeng, Wenbo Zhang, Dongsheng Guo, Yuxing Li, Zeli Yang, Naimeng Cang, Zehua Jia

Data-Driven Surrogate Model for Automobile Wheel Strength and Stiffness based on Deep Learning, pp.3145-3150 Siyu Zhu,Jin Qi,Jie Hu

Research on Anti-Swing Strategies for Bridge Cranes, pp.3151-3156 Shiqi Wang, Enguang Hou, Haoyuan Zheng, Yuyi Jiang, Zhen Shen, Gang Xiong

Design and Research of Real-Time Perception for Intelligent Power-Assisted Bicycles Based on Fuzzy Control, pp.3157-3162 Guoliang Jiao, Shidong Zhai

Improved DQN for path planning with classified high-value prioritized experience replay, pp.3163-3167 Chaoyun Guo,Chunyang Sheng,Hao An,Haixia Wang,Xiao Lu,Jun Nie

Path Tracking Control of Dual-steering Wheel AGV based on T-S Fuzzy Weight Adaptive MPC, pp.3168-3173 Jun Xu,Meng Li,Gang Yu,Tengxiao Zhao,Kun Zhao,Qing Song

A High Efficient Training Method for Student Action Detection from Few Pixel in Complex Crowded Scenes, pp.3174-3179 Dewei Yang, Chunyang Jiang, Gengchen Shi, Sihe Huo, Xinhui Zhang, Yu Xiong

Performance Evaluation Method of Magnetic Levitation Train Suspension System Based on Operation Data, pp.3180-3185 Mengkai Yin

Delving into the intricate connection: individual perspectives and bi-virus transmission, pp.3186-3191 Zhenmei Zhang,Shidong Zhai,Jixiang Cao,Jiyu Zhang

A Scheduling Method for Blast Furnace Gas Systems Based on Conditional Generative Adversarial Networks and Process Rules, pp.3192-

Xiaoxue Wang, Feng Jin, Jun Zhao, Wei Wang, Long Chen

Modeling and evaluation design of heterogeneous media networks considering quality of experience, pp.3198-3203 Kun Cong,Luzhen Huang,Ziqi He,Lu Ding,Dan Huang,Lei Song

MADDPG Based Radar Interference Resource Allocation Decision, pp.3204-3209 Sen Jiang, Bo Wang

Single-Shot 3D Reconstruction of Microscopic Objects with Structured Light and Fringe-to-Phase Neural Network, pp.3210-3215 Kun Wang, Tingman Yan, Tao Liu, Yongcan Shuang, Ji Fan, Luyao Yan

Model Predictive Control for Nonlinear Singularly Perturbed System based on Linearization Method, pp.3216-3221 Lei LIU,Yue QI

Cross Attention Fusion Transformer Network For Urban Remote sensing image segmentation, pp.3222-3227 Linjie Zhou,Xun Huang,Lu Ding

Multi-AGV Task Allocation Strategy Based on Improved Particle Swarm Optimization Algorithm, pp.3228-3233 Yazhen Zhu, Qing Song, Meng Li

CG-YOLO: A Lightweight, High-Accuracy Gesture Recognition Method for Human-Computer Interaction, pp.3234-3239 Qing Yang,Hao Zhu,Haiyan Zhao,Xianlun Tang,Shiqiang Dai,Jinjing Chen

Data Enhancement and Named Entity Recognition Method for Water Intake Permit Management Information of Yangtze River, pp.3240-

Runzhou Chang, Weihua Cao, Dejing Zeng, Yupeng Li, Jun Zhang, Yulong Yang

A Robust Observer-Based Control Method for Nonlinear Systems Based on Random Bit Errors, pp.3246-3251 Meng Zhao, Yanqin Wang, Dongyan Dai, Nan Hou, Zixuan Zhang

A Controllable Editing Closed-Loop 3D Gaussian Autonomous Driving Sensor Simulator, pp.3252-3256 Le Li,JingMin Xin,HuaBiao Feng

Unmanned Forklift Path Planning Method Based on Improved Hybrid A Algorithm*, pp.3257-3262 Wenhao Li,Qing Song,Meng Li,Yazhen Zhu

Trajectory Tracking Control of Articulated Roller With Sideslip Effect, pp.3263-3268 Haosen Ma,Zhonghua Wang,Meng Li Leader-following consensus control for multi-agent systems under DoS attacks and average dwell time switching topology, pp.3269-3274 Li Yuan, Shuai Liu, Panshuo Li

Sliding mode output regulation for linear 2x2 hyperbolic system with boundary unmatched disturbance, pp.3275-3280 Yu Xiao,Yuan Yuan,Xiaodong Xu

Short-term Photovoltaic Power Forecasting Based on Patch-Transformer Model, pp.3281-3285 Guiren Zhan,Yuyang Ye,Honglei Guo,Xinyu Cao,Jiaqi Tang,Ling Bu

A Robust Feature Matching Method based on Semantic Geometric Constraints, pp.3286-3291 Jinjing Chen, Hao Zhu, Shiqiang Dai, Sin-Chi Kuok

Dynamic Event-Triggered Predictive Control for Consensus of the Multi-Agent Systems with Disturbances, pp.3292-3297 GAO Xiangyu,FU Dongfei

Design of Flight Path Angle Rate Control Based on Active Disturbance Rejection Control for Manual Landing System, pp.3298-3303 Liu Chengling, Zhang Xiangyin

Enhancing NERF Rendering in Architectural Environments Using Spherical Harmonic Functions and NEUS Methods, pp.3304-3309 Zheng Wang, Xuedong Wu, Xianfeng Zhang

Data-Driven \$*H_{\infty }*\$ *Consensus Controller for agents under Disturbances and Model Uncertainty*, pp.3310-3315 Tao Xu, Ruichong Dong and Zelin Zheng, Xiaoli Wang

Adaptive Backstepping Control for a Class of Nonlinear Multi-Agent Systems with Time-Varying Actuator Faults, pp.3316-3321 Ning Zhou,Zhixin Lai,Canyang Zhao,Ze Jiang,Kuibao Zhu,Tiejun Li,Li Li,Lele Xi

Vim-Grasp: A Mamba-based gesture generation network for multi-scale object grasping, pp.3322-3328 Zhangyan Wu,Qing Zhu,Xuebing Liu,Jianan Huang,Xianen Zhou,Chengzhong Wu,Ying Huang,Tianming Li,Yaonan Wang

Dynamic Real Time Event-Triggered Scheduling for Hydrogen-Based Integrated Energy System, pp.3329-3334 Yang Xuesong,Guo Wangyi,Gao Feng,Xu Zhanbo,Wu Jiang,Liu Kun

KANLINEAR: A Lightweight Model for Multi-Step Feedforward Prediction, pp.3335-3340 Yaofu Cao,Zhou Yuan,Hetian Feng,Tian Wang,Bilang Zhang,Chengwei Li

KANMixer: A Fully Linear Network with Multi-Scale Feature Awareness for Power Quality Classification Tasks, pp.3341-3346 Yaofu Cao, Xiaomeng Li, Hetian Feng, Tian Wang, Jiarui Zhang, Junwen Liu

SDPS-M2CAN: Improving predictive performance of Photometric Stereo Networks on broad spectrum reflective surfaces with minor indentations or bumps, pp.3347-3352 rensheng wang

Formalization of the Cauchy Convergence Criterion for Sequences in Coq, pp.3353-3357 Liumiao Yu,Yan Chen,Wenshen Yu

Robot Safe Planning In Dynamic Environments Based On MPC Using Control Barrier Function, pp.3358-3363 Jun Xu,Zetao Lu,Kaijun Feng

Optimization method on single radiation source and INS localization of UAV by geometric projection, pp.3364-3369 Li Zha,Hai Zhang,Yusu Gao,Cancan Tao

Electric Power Data Acquisition System Based on the Concept of Information-Physical Synergy, pp.3370-3374 Xiaotian Fu,Chen Zhang,Jieyu Lin,Chuhang Xu,Xiaofei Wang,Xi Yang

SparallaxMPC: High-Speed Model Predictive Control Solver with High Sparsity and Parallelism, pp.3375-3380 Zhengxing Lei,Xiaodong Deng,Longjun Liu,Caigui Jiang

Extended \$H_\infty\$ *Estimation Based Longitudinal Control of Vehicle Platoons With Disturbances*, pp.3381-3386 Lai Wei,Shichao Lv,Hongxia Wang

Fault Tolerant Control for Pieoelectric Actuator based Micro-nano Positioning Platform, pp.3387-3392 Dayong Qi,Lei Wang,Shengjun Wen,Ronghao Shang,Shuhui Bi

Capacity Planning of Zero-Carbon Base Station Energy System With Heat Recovery, pp.3393-3398 Xiang Jiahe,Di Wenyuan,Wu Jiang,Zhao Han,Guo Wangyi,Wu Chao

Parameter Identification of Multi-motor Driving Cutterhead System Model in Tunnel Boring Machine using Prediction Error Method, pp.3399-3403 Haixiang Wei,Langwen Zhang,Wei Xie

Collaborative active and reactive power control based on distributed event triggered heavy ball method, pp.3404-3409 Qian Su,Botao Chen,Zhenxing Liu

Hierarchical Fault-tolerant Control for Lateral Stability of Steer-by-wire Vehicles, pp.3410-3414 Pengxu Li,Yongfu Wang,Yunlong Wang,Gaochang wu

Research on Competency of High-Speed railway Train Dispatchers for Intelligent Dispatching System, pp.3415-3422 Yanhao Sun

A Multilevel Deep Fusion Framework for FeO Content Prediction in Sintering Process, pp.3423-3428 Shiyi Wei,Xinmin Zhang,Runqi Hu,Bocun He,Chong Yang,Zhihuan Song

Obstacle Avoidance for UAV Swarm Based on Pigeon Flock Dynamic Interaction Mechanism, pp.3429-3434 Xie Lin,Zhang Xiangyin

Neuro-Adaptive Cooperative Tracking Control for Nonlinear Multiagent Systems Against DoS Attacks, pp.3435-3440 Zhiyong Wang,Wei Wang,Yang Yu

FuzzySegNet: Deep Fuzzy Neural Network for Corrupted Image Segmentation, pp.3441-3446 Xing Wang,Honggui Han,Xiaolong Wu

Reliable control for a class of switched nonlinear cascade systems, pp.3447-3452 Sheng Zhang,Ying Jin,Jun Fu

Effective And Robust Point Cloud Registration in Weak Texture Regions, pp.3453-3458 Jiaxiang Luo, Duoqin Dong

Unilateral payoff control is infeasible in network attack-defense interactions, pp.3459-3463 Kaiwen Zhao, Yu Xia , Qi Su

Robust H_infinity model reference tracking control of switched time-delay systems with external disturbances, pp.3464-3469 Yuanyuan Ding,Ying Jin,Jun Fu

Adaptive Cooperative Path Following Control for Autonomous Surface Vehicles via Path-Dependent Constraints, pp.3470-3475 Yixu Zhang,Penghai Wen,Shi-Lu Dai

TCPP: A Benchmark Platform for Traffic Congestion Prediction with Multi-source Auxiliary Data, pp.3476-3481 Yusong Zhou,Xinmin Zhang,Xiaoyu Jiang,Zhihuan Song

DeepONet-Based Bank Angle Profiles Design for Mars Entry with Actuator Constraints, pp.3482-3487 Bo Tang,Yajing Li,Jie Mei,Weiren Wu

ConvMFP-A Convolution-based Multi-source Fusion Prediction Network for Precipitation Nowcasting, pp.3488-3493 Mingbo Jiang,Xiaoyu Sun,Zengliang Zang,Dan Niu,Hongbin Wang,Jinjin Liu

Modeling and Optimization of an Integrated Energy System for Combined Cooling, Heating, and Power, pp.3494-3498 Qiuyu Lei, Jiayi Peng

Adaptive Formation Control of USVs-UAVs Heterogeneous Systems With Visibility Constraints in Obstacle Environments, pp.3499-3504 Yilin Qi, Penghai Wen, Shi-Lu Dai

Entropy investigation on different critical properties of spiking neurons in context-dependent learning task, pp.3505-3510 Yingshan Wang,Boyang Zhong,Shuangming Yang,Badong Chen

Parity Space-Based Sensor Fault Detection for Traction Rectifier in High-Speed Train, pp.3511-3516 Siwen Hao, Maiying Zhong, Ningfan Zhong, Qin Wang, Yanzheng Zhu

An Effective Nuclear Magnetic Resonance Gyroscope Control Method based on ESOPI-PLL, pp.3517-3522 Pengjie Hu,Dan Niu,Yanlan Yang,Yuansheng Liu,Xiaojie Sun,Fu Qi

A Fault Diagnosis Method Based on Frequency Domain Convolution and Temporal Information Decoupling, pp.3523-3528 Pengcheng Hu,Shufan Chen,Yong Wang,Jun Li,Bing Li,Renkai Chang

Fusion filtering for networked stochastic systems with deception attacks, correlated noises and quantization error, pp.3529-3534 Tian Tian, Zhengyang Chen, Yuan Gao

Particle Swarm Optimization based Dispatching of Source-Grid-Load-Storage with Demand Response, pp.3535-3540 Chunxi Chang,Wenjie Shi,Yimeng Zhang,Haorui Zhu,Honggui Han,Jingjing Wang

Integrating LSTM-Based Target Prediction with TD3 for Enhanced UAV Pursuit-Evasion, pp.3541-3546 Longbiao Xie,Miao Liu,Long Xiao,Shaopan Guo

Optimal Formation Control for Mobile Robots Under Prescribed Performance Constraints via Reinforcement Learning, pp.3547-3552 Kai Lin, Tian Li, Shi-Lu Dai

Hi/H^{oo} *Optimization based Fault Detection for Traction Rectifier in High-Speed Train*, pp.3553-3558 Kaida Zhang,Maiying Zhong,Siwen Hao,Ningfan Zhong,Qin Wang,Lu Zhang

Distributed Event-Triggered Voltage Secondary Control Strategy for Microgrids Considering Load Forecasting, pp.3559-3563 Chao Qin,Jiancheng Zhang,Lingyu Ma,Shanchen Pang

A Multi-agent Deep Reinforcement Learning Approach for Multiple AGVs Scheduling in Automated Container Terminals, pp.3564-3569 Fei Wang, Pansheng Ding, Yannan Bi, Jianbin Qiu

Attitude Control for High-speed Flight Vehicles Based on Non-singular Fast Terminal Sliding Mode Active Disturbance Rejection, pp.3570-3575 Caihui Wang,Pei Dai,DongZhu Feng,Tianle Chen

Hybrid Attention DNN Capacity Prediction for Fast Charging Batteries Based on Partial Charging Data, pp.3576-3581 Wei Liu, Jia Xu, Li Li

Semantic Feature-based Visual Automated Guided Vehicles Navigation and Localization System, pp.3582-3587 Chang Liu,Zhenghong Zhang,Mingkang Xiong,Xiangguang Zhao,Tao Zhang,Huilin Xiong

Enhancing Context-Dependent Learning in Spiking Neural Networks through Symmetric STDP and Synaptic Scaling, pp.3588-3593 Yao Wang,Shuangming Yang

Bipartite Consensus of Multi-Agent Systems via Adaptive Dynamic Event-Triggered Control, pp.3594-3598 Zongsheng Geng,Dongdong Zhao,Shi Yan *Time-Optimal Stabilization of Switched Boolean Control Networks under Constraints: an Efficient Graphical Approach*, pp.3599-3605 Shuhua Gao,Kunmeng Yang,Haonan Wang,Yakun Li,Zhengfang Wang,Jing Wang

Global-Local Adaptive Attention-Based U-Net for Single Image Deblurring, pp.3606-3610 Xinran Yu,Yueti Li,Xuanzhi Peng,Chen Wang,An-Min Zou

Large Language Model-Assisted Parameter Prediction in Integrated Energy Systems, pp.3611-3615 Hongfei Zhang,Liang Zhang,Liang Yu,Rui Zhu

Efficient Slip Detection in Robotic Grasping Using Accelerated TranSformers and Multimodal Sensor Fusion, pp.3616-3621 LIU Chaowen, WU Hao, SHEN Jingjin

Multi-objective Optimal Scheduling of Energy and Computational Workload in Green Data Centers Considering Waste Heat Recovery, pp.3622-3627 Lingfang Yang,Xianqing Chen,Qiang Yang

A Multi-Granularity Supervised Contrastive Framework for Remaining Useful Life Prediction of Aero-engines, pp.3628-3633 Zixuan He,Ziqian Kong,Zhengyu Chen,Yuling Zhan,Zijun Que,Zhengguo Xu

Optimization of Train Operation Strategy for Single-track Freight Railway Based on Cooperative Game Theory, pp.3634-3639 Yiwei Wang, Anzheng Lai ,Guoxuan Tai ,Wei Guo,Kai Li,Youneng Huang

Temperature-Dependent Noise Analysis of Angular Accelerometer Using Cross-Correlation Method, pp.3640-3645 Kexuan Zhai,Yufeng Yue,Simai Wang,Meiling Wang

Point Cloud Registration Method Based on Bidirectional Search and Curvature Information, pp.3646-3651 Lingyun Yang,Xinming Xie,Jinhu Niu,Aimin An

APF-RRT*Sampling-based Motion Planning via Artificial Potential Field, pp.3652-3657 Linfeng Zhang,Qigao Fan,Yueyue Liu

Design of Stress Point Detection System for Tempered Glass Based on Contact Image Sensor Optical Image, pp.3658-3663 Yang Hao,Ruan Huixiong,Chen Dejun,Wang Jieheng,Du Tianyi,Zhang Shangjian

CameraLink Interface Design Based on 3.5x Frequency Encoded Clock, pp.3664-3667 Du Tianyi,Ruan Huixiong,Luo Ying,Wang Jieheng,Zhu Weiqi,Zhang Shangjian

Research on Improvement of Scanner System Based on Loongson 2P0500, pp.3668-3672 Luo Gan,Ruan Huixiong,Luo Ying,Chen Dejun,Jia Hongyu,Li Lu

IROS: A Hard Real-time Intelligent Robot Operating System, pp.3673-3678 Chaoming Li,Guo Nan,Peng Liu

Identification of Mixed Organic Pollutants in River Water Based on Graph Convolutional Networks, pp.3679-3684 Shuai Cao, Jie Yu, Xingyu Fan, Qiuhao Zhang, Fangjia Xue, Dibo Hou

Canonical probabilistic principal component analysis based operating quality monitoring for Industrial Control Systems, pp.3685-3690 Haipeng Fan,Zhaoyang Jin,Mingdi Xu,Zhengxiao Li

A novel bearing fault diagnosis method based on deep incremental learning, pp.3691-3696 Xinmiao Xiao ,Meidi Sun,Tangyan Chen

Adaptive output constraint control of electro-hydraulic servo system based on extended sliding mode observer, pp.3697-3702 Tianran li,Yuefei Wu,Mingye Xing

Graph Attention Network-Based Multi-Agent Reinforcement Learning for Traffic Signal Priority Control, pp.3703-3708 Hao Zhao, Jie Luo, Zhehan Xing

An Improved WQMIX with Dual-Network and Dynamic Weights for Cooperative Multi-Agent Reinforcement Learning, pp.3709-3714 Zhehan Xing,Jie Luo,Hao Zhao

A method for Surface Defect Detection of Tempered Glass Based on Polarization Characteristics and Unsupervised Learning, pp.3715-3719

Zhu Weiqi, Chen Dejun, Ruan Huixiong, Yang Hao, Luo Ying, Wang Jieheng

Natural Sit-to-Stand Control of a Musculoskeletal Model with Deep Reinforcement Learning-Based Reward Shaping, pp.3720-3724 Borui Dong, Yaru Chen, Wenqian Chen, Yongxuan Wang, Xiaohong Wang, Rong Liu

Estimating Finger Joint Angles from Surface Electromyography Using Convolutional Neural Networks, pp.3725-3729 Qingzheng Chen, Qing Tao

Combining Centralized and Decentralized Federated Learning: An Integrated Framework, pp.3730-3735 Jingjun Yang,Yuting Kong,Hao Su,Ziqi Guo,Rongrong Qian,Zhaoxin Li

An EMU Bogie Defect Detection Method Based on Similarity Comparison, pp.3736-3741 Chaoze Wang,Gang Peng,Chaowei Song,Bingchuan Yang,Mingjun Cong,Xinbin Xiong,Cong Li,Zhang Deng,Sheng Zhong

Depth-Supervised Neural Radiance Fields for Accurate Novel View Synthesis, pp.3742-3746 Ming Xu,Bojun Wang

Load Frequency Control of Power Systems Under Cyber Attacks : A Memory-Based Event-Triggered Method, pp.3747-3752 Heng Shao,Zidong Ai,Yulong Wang

Combination control method of multi-link flexible manipulator, pp.3753-3758 Hai long Zuo,Aimin An,Bo Yu,Jinhu Niu,Xinming Xie A New Trajectory Optimization Design Method of Smart Morphing Aircraft, pp.3759-3764 Dan Xu, Jiangtao Wang

Research on Transformer Nameplate Rivet Recognition Based on Improved RT-DETR, pp.3765-3770 Wenjie Huang, Yuntao Zhao

Predicting FEA Results of Cable Trays Using Machine Learning, pp.3771-3776 Yiming Liu, Jiaxiang Cheng, Bo Long, Zhihao Wu, Fan Zhang, Tian Wang

A Multimodal Complex Model for Measuring the Quality of Music Performance, pp.3777-3782 Duo XU

Unified Design Method of Filters for Different Measurement Phases in Space Relative Navigation Tasks, pp.3783-3788 Qing Li,Shan Lu,Shiyuan Zhang,Jingjing Zhou,Chen Xu

Fault Diagnosis Method for Rolling Bearings Based on SE-MSCNN-GRU with Adaptive Sample Length Adjustment, pp.3789-3794 Tao Sui,Yixiang Feng,Sitian Sui,Hao Liang,Xiuzhi Liu

HATSC-YOLOv10:Improved YOLOv10 for Satellite Remote Sensing Images of Small Object Detection, pp.3795-3799 Xuhui Xie

Design of MVDC/LVDC Conversion Structure in Submarine Power Supply System, pp.3800-3805 Chenhao Wu

A Method for Multi-view Human Re-identification in Substations, pp.3806-3812 Huiwen Zhu,Qi Shi,Chunjie Gu,Xing He

Support vector machine based dynamic obstacle avoidance strategy for first-order consistent formation control, pp.3813-3818 Zhipeng Luo,Li Fan,Zheming Yan,Jinhu Niu,Bo Yu,Aimin An

A Robust Substation Indoor Personnel Action Recognition Network and Online Framework, pp.3819-3824 Zhang Qiang,Gu Chunjie,Shi Qi,Fang Xingqi

Avionics System Architecture Design of a Manned eVTOL Aircraft, pp.3825-3831 Xiaobo Wang

Coordinated Control Strategy of Virtual Inertia Based on Particle Swarm Optimization, pp.3832-3837 Fei Zheng

An event-triggered adaptive tracking controller for nonlinear systems with pure-feedback form, pp.3838-3843 Zhenyan Wang,Yan Zhao,Cungen Liu

MMc Queueing Model with Variable Matching Rate, pp.3844-3847 Lisha Piao, Zhen Pan, Yingli Zheng

Research on Improved SIFT Algorithm Based on Optimal Transmission Theory, pp.3848-3853 Yuntao Zhao, Qian Jia

Virtual Teacher Distillation: Enhancing Performance on Edge Smart Ecosystem Devices, pp.3854-3859 Runjian li,Yupei Zeng,Hongyu Ma,Binchao Yu,Longhua Ma,Guanzhong Tian

Electrical Load Forecasting Based on Multi-Task Deep Learning, pp.3860-3865 Wei Gao,Ruirui Ji,Yi Geng,Yuyao Hua,Sifan Yang

Methods for Collaborative Combat Capabilities Analysis: An Overview, pp.3866-3872 Hongqian Wu,Hongzhong Deng,Jichao Li

An Unsupervised Leak Detection Method via Assembling Twin Attention-based Prediction Models for Natural Gas Gathering Pipelines, pp.3873-3878 hao zhang,Zhonglin Zuo,Li Zheng,Shan Liang,Qingguo Lu

Design of a Multi-Step Predictive Control Alum Dosing System Based on GRU Neural Networks, pp.3879-3883 Shui Yu, Dongsheng Wang

Optimization of Wide-Baseline Stereo Matching Based on Multi-view Geometry, pp.3884-3889 Yinhui Xu,Shuo Shan,Gongben Han,Kanjian Zhang,Haikun Wei,Shixiong Fang

CDMG:Combing DeBERTa-v2 Model with Globalpointer for Chinese Text Level Event Extraction, pp.3890-3895 Jiabinwang

Task Planning for Dual-Arm Robot Empowered by Large Language Model, pp.3896-3901 Binsheng Feng,Zhigang Wang,Xianzhong Dai

Modeling, Computation and Analysis of Gaussian-based Probability Density Function and Conflict Potential Field for Cooperative Overtaking, pp.3902-3909 Wen He,Menglin Lv,Yong Chen,Jinlong Hao,Mingjie Liu,Ke Wang

ATA-Net: Asynchronous Temporal Attention for Real-World Multi-Modal 3D Object Detection, pp.3910-3915 Yadong Wang,Sihan Chen,Tianyu Shen,Yongqiang Deng,Juanjuan Li,Kunfeng Wang

Revisiting the topology of urban road networks with graph embeddings, pp.3916-3922 Kang Liu,Bing He,Wei Wang,Guohua Wu,Jincheng Jiang,Diping Yuan,Feng Wang

Fog traffic image simulation optimization algorithm based on Unet++, pp.3923-3926 zixin zhao, Minan Tang, Xiangdong Zheng, Yueheng Wang

Prescribed performance trajectory tracking control for an underwater vehicle-manipulator system with FPTPPF, pp.3927-3932 Jingwei Yang, Qinggun Mai, Xuehong Tian, Haitao Liu

Safe Formation Control For Micro-UAV Using Control Barrier Functions, pp.3933-3938 Bo Liu, Shunyuan Yang, Qinghua Li, Yifan Tu

Fault Detection Algorithm Based on Complex Evidential Reasoning Considering Information Reliability, pp.3939-3944 Yanglong Liu,Guocheng Zeng,Shihai Chen

Parallel CNN-Transformer Dual-branch Hybrid Tracker, pp.3945-3950 Chenxi Li, Yongqiang Bai

A Dynamic Topology-unshared and Occlusion-robust Network for Skeleton-based Action Recognition, pp.3951-3956 Shuaijie Yin

A CMT-Based Approach for Skin Lesion Segmentation, pp.3957-3962 Yani Wang, Shimin Feng, Zishan Li, Weiyi Xie, Chen Wang

Drag-free Control Verification Based on a Combined Ground Simulator, pp.3963-3968 Yuqi Ren

Visual Axis Control of Seeker Stabilization Platform Based on Super-Twisting Algorithm, pp.3969-3975 Yanyu Song, Qingdang Li, Mingyue Zhang

Risk-Driven Security Strategy Decision- Making for High-Speed Train Control and Monitoring System, pp.3976-3981 Yang Jun,Xiong Yang,Zhou Chunjie

Digital Twin System Design for Rice Supply Chain based on Identity Resolution, pp.3982-3987 Qi Gao, Cheng Chi, Zhaoyang Wang, Boyu Xu, Yu Zou

Reliability Assessment of Islanded Microgrids Considering Generation-Load Uncertainty, pp.3988-3993 Wenxuan Xu, Xia Zhou, Tengfei Zhang

Coordination Strategy for AC-DC Hybrid Transmission Systems Considering the Regulation Capability of Grid-Forming Wind Power, pp.3994-3999 Weiwei Peng,Xia Zhou,Tengfei Zhang,Jianfeng Dai

Design of Automatic Painting System for Steam Turbine Stator Assembly Surface, pp.4000-4004 YIjia Qiang,Yiduo Xia,Huiying Chen,Shuxin Du,Chenhuan Cui

High-Low Frequency Filtering aware Graph Neural Networks with Representation Decoupling Learning, pp.4005-4010 Shilong Xu, Jipeng Guo, Jiahao Long, Mingliang Cui, Youqing Wang

SAR Images Change Detection Based on Maximum Classifier Difference with Multiscale Multilevel Features, pp.4011-4016 Zhiquan Ling, Dedong Yang

On the Potential of Large Language Models in Parallel Systems: A Systematic Analysis, pp.4017-4022 Xi Cheng,Shi Luo,Jing Yang,Lei Yu,Zhishuai Li,Linyao Yang

Lane Change Scene Recognition Method for Natural Driving Datasets, pp.4023-4028 Yong Wang ,Xiaoya Chong,Yanqiang Li*,Wei Zhang,Chunqi Gao,Zhicheng Tang

Dual Time Scale Weighted Recursive Least Squares for IPMSM Parameter Identification with Inverter Nonlinearity, pp.4029-4034 Chen QIAN, Yong WANG, Junije WEI, Changxing SHAO

A Novel Approach to Domain Generalization with Rectified Flow Style Migration for Face Anti-Spoofing, pp.4035-4042 Jianan Yang, Yan Zhang, Wanhong Zhang

Trust Evaluation Mechanism of Terminal Device in Industrial Edge Computing Environment, pp.4043-4047 Zixin Hua, Min Wei, Haoyue Yang

Multi-feature fusion recognition method based on Information entropy and classification decision tree, pp.4048-4052 wu xia

AR-HUD Light Intensity Adaptive Control Based on Fuzzy Neural Network, pp.4053-4058 Guo Wei, Xia Yang, Ye Yong, Yang Darui, Tan Ping, Ma Jien

A Gap Inference Neural Network for Efficient Collision Detection in Robotic Arm Path Planning, pp.4059-4064 Changqing Huang, Yiming Jiang, Bo Chen, Hui Zhang, Songtao Yin, Weili Chen

3D Face Reconstruction from Sketches with Hybrid Model Architecture, pp.4065-4070 Haolin Song, Weijie Li, Xinyu Sun, Peiyun Gao, Min Jiang

Robust LiDAR-Camera Alignment over Point Cloud Density Variation, pp.4071-4076 Angfan Zhu, Tao Ma

Multi-behavior Euler Transformer for Click-Through Rate Prediction, pp.4077-4082 Zhiwei Zheng, Yan Li

Research on optimization of two-stage scheduling for aluminum extrusion machine manufacturing line, pp.4083-4088 Aoran Zhou, Lipeng Qiu, Yali Wu

Location and capacity determination method of distributed wind-storage system in distribution network considering source-load uncertainty, pp.4089-4096

Yuguo Zhang, Peng Li, Junyu Liang, Shi Su , Yang Pei , Hu Yi

Deep Learning Model for Short-term Photovoltaic Power Prediction Based on Data Augmentation and Quantum Computing, pp.4097-4102 Wenhui Zhu,Yingchao He,Houjun Li

A Digital Twin-Based Path Planning Method for Bending Robot Feeding and Unloading, pp.4103-4108 Yiyang Miao,Dawei Ding,Xingyu Hua,Xingbao Li,Fengyu Xu

A Communication Adaptation Method for New Power Load Management System Based on Game Theory and GMARCOS, pp.4109-4114 Yingchao He,Wenhui Zhu,Lei Xu,Shuangyuan Zhou,Zhihao Zhang,Aerduoni Jiu

Application of Cloud-Edge Based Digital Twin in Robotic Arm Scanning of Aircraft Fuselage Panels, pp.4115-4120 Jiawen He,Zhi Yan,Yaonan Wang,Zheng Fang,Qin Tan,Hongkai Fan

Algorithm for Local Extrema Seeking of Black-Box Functions Based on Information Landscape Measure, pp.4121-4126 Zhitao LONG, Zhijun CHENG, Yang CHEN, Jiacheng LI, Chen FENG

Research on Adaptive Model Pooling Method for Data Stream Anomaly Detection Based on Variational Auto-Encoder, pp.4127-4131 Mingwei Li

Spectral Calibration for In-situ Measurement of Glycerol Fermentation Component Concentrations via Infrared Spectroscopy, pp.4132-4137 Yahui Li,Peilin Yang,Yaqin Sun,Qin Zhang,Tao Liu,Yu Yan

Improved adaptive-gain super-twisting sliding mode control of transmission line inspection UAVs, pp.4138-4143 Kunpeng Zhang,Zhuang Kang,Lei Gu,Wenlong Li,Xiaoning Shen,Yabin Gao

Human Hand Trajectory Prediction Using RNN Enhanced with KAN and Horizontal Vertical Exponential Gated Unit, pp.4144-4149 Cansheng Huang, Yaonan Wang, Bo Chen, Yiming Jiang, Hui Zhang

Improved grey wolf optimization algorithm for UAV path planning, pp.4150-4155 Tai-shan Lou, Haowei Fan, Zhendong He, Guoqiang Ding

A Distributed Hungarian-Based Algorithm for Multi-Robot Task Allocation with Load Balancing, pp.4156-4161 Xiaoke Cao, Kexin Liu, Guibin Sun

PatchCLIP: Enhencing CLIP with Pair-images for Zero-shot Anomaly Detection, pp.4162-4167 Yuhu Bai,Yuhang Dong,Hongyu Ma,Binchao Yu,Zhaofeng Chen,Longhua Ma,Guanzhong Tian

Fractional-Order Fixed-Time Control for a Quadrotor Unmanned Aerial Vehicle with Disturbances, pp.4168-4173 Zhen Zhou,Hai-Yang Yu,Jia- Jia Ge,Qin Zhang,Zi-Yang Xu

An Algorithm for Key Object Point Cloud Extraction Suitable for Subway Tunnels, pp.4174-4180 Lihang Xia

SWAFRET: A Temporal Convolutional Network Model Integrating Dynamic Sliding Window Technology, pp.4181-4188 Hao Zhen,Lihua Lu , Xiang Yu

UAV Obstacle Avoidance and Landing on Moving Platform Based on Improved Proximal Policy Optimization Algorithm, pp.4189-4194 Ning Wang,Xiang Zhou,Fengyu Xu,Jie Li

Integrated Anomaly Detection and Machine Learning Reconstruction for Offshore Wind Power Cleansing, pp.4195-4200 Dibo Dong, Shangwei Wang, Qiaoying Guo, Zicheng You, Xing Li, Yiting Ding

Impulsive Control of Heterogeneous Multi-agent Systems with Saturation Constraint and Time Delay, pp.4201-4205 Bo Li

Adaptive event-triggered tracking control for discrete-time Markov jump systems with time-varying delay, pp.4206-4211 Weifeng Xia

3D Mesh Generation Model of Human Body based on Monocular Image and 2D Pose, pp.4212-4217 YI XINCHANG

A hand rehabilitation device based on magnetorheological three-dimensional soft actuators TPU exoskeleton, pp.4218-4223 Tianguang Gong

Trajectory Tracking Control for Robotic Arms with Uncertain Input Gain, pp.4224-4229 Chen Jiang, Xinyu Wen, Yibo Chen

Simulation and Material Removal Modeling of Abrasive Air Jet Erosion, pp.4230-4235 Qingyu Xu

Chinese Vision-language Understanding based on Multimodal Pre-trained Models, pp.4236-4239 Xintong Liu, Jipeng He, Yiyang Sung, Heng-yang Lu

Trajectory Tracking for Wheeled Mobile Robot Using Lyapunov-Based Model Predictive Control, pp.4240-4245 Chen Zhang, Zehua Jia, Huahuan Wang, Yuan Lin, Weidong Zhang

Deep Learning-Based Fault Diagnosis in Quadcopter Actuators: A CNN-LSTM Network With Bayesian Optimization, pp.4246-4251 Huaishi Zhu, Fangfei Cao

Vibration Damping Control of Cable-climbing Robots Based on PPO Algorithm, pp.4252-4257 Yangru Zhou,Kaiwei Ma,Fengyu Xu,Tengda Xie

Research on LGYOLO Bridge Tie Cable Surface Inspection and Recognition Methods, pp.4258-4263 Tengda Xie, Jie Li, Fengyu Xu, Bo Guo, Yangru Zhou Analysis and compensation of object surface inclination error based on line laser sensor, pp.4264-4269 Xingyu Hua,Dawei Ding,Yiyang Miao,Jinxing Lin,Fengyu Xu

Optimization of High-Speed Train Driver Gesture Recognition Using Self-Supervised Learning and Stream State-Tying, pp.4270-4275 Kaiyan Chen ,Shenghua Dai,Qijia Xi

Altitude Control of Stratospheric Aerostat Based on H∞ Mixed Sensitivity, pp.4276-4281 Jiazheng Dong,Haiyang Yu,Zhibin Li

Optimization method of wind turbine short-circuit current and reactive power support key parameters based on trajectory sensitivity, pp.4282-4287 Xiao Wang, Xia Zhou, Jianfeng Dai

Fault Estimation for Nonlinear Stochastic Systems with Imprecise Time-Varying Noise Statistics, pp.4288-4293 Ning Zhang,Yifan Liu,Li Sheng

State/parameter observer design for a single-rod electrohydraulic manipulator, pp.4294-4299 Shengheng He

Model free adaptive cruise control, pp.4300-4304 Jiacheng Song, Yanan Zhang, Tingting Wu

Integral sliding mode control of LCL single phase photovoltaic grid-connected system based on sliding mode observer, pp.4305-4309 Qing Zhong

HiCRISP: An LLM-based Hierarchical Closed-Loop Robotic Intelligent Self-Correction Planner, pp.4310-4315 Chenlin Ming, Jiacheng Lin, Pangkit Fong, Han Wang, Xiaoming Duan, Jianping He

The Battery Management System With DNN Deployed in STM32, pp.4316-4321 Dongfeng Liang

Convergence Analysis of Epidemic Models over Contact and Migration Graphs, pp.4322-4328 Fei Niu

Semantic-Aware Monocular Point-Line Visual Odometry in Dynamic Environments, pp.4329-4334 Huanyao Wen,Xuyang Chen,Liang Xu,Xiaoqiang Ren,Xiaofan Wang

A new path planning of Mobile Robot Based on Improved Ant Colony Algorithm, pp.4335-4340 Boxuan Wang,Dawei Zhang,Wensheng Huang,Jiang Yong,Yurou Mao

Post-earthquake metro network recovery with time-varying maintenance teams, pp.4341-4346 Yicheng Zhou, Yang Zhang, Datian Zhou, Nikola Bešinović, Yihui Wang

Optimal Tracking Performance of Networked Control Systems Under DoS and Its Applications, pp.4347-4351 Bo Li

Tube-Based Distributed MPC for Heterogeneous Vehicle Platoons Subject to External Disturbances, pp.4352-4357 Shuo Ge,Zhizhong Bai,Jiange Wang,Xiaoyuan Luo,Xiaolei Li,Xu Fang,Heling Yuan

INR-ECGAN: An Enhanced Conditional GAN with Implicit Neural Representation for SAR-to-Optical Image Translation, pp.4358-4363 Chenguo Feng,Yang Liu,Nan Wang,Zhiyang Chen,Xiaohui Wei,Haibo Liu

Flexible rigid coupling soft pneumatic actuators with customizable shape, pp.4364-4369 Xiaohua Liu,Yaonan Wang,Yun Feng,Haoran Tan,Zheng Fang

Research on railway operational accidents analysis method based on knowledge graph, pp.4370-4375 Ji Lin,Liu Jintao,Chen Keyi

Efficient Circuit Diagram Retrieval via Graph Representation, pp.4376-4380 Ming Gao,Hongcai Chen,Kanjian Zhang,Haikun Wei

Research on Top-Down Collaborative Product Design Method, pp.4381-4384 Qiang Ren, Hailei Ren*, Ling Li, Shaokai Zhang, Baoran An, Tao Ma

Wide Area Ecological Environment Monitoring System Based on Cloud Platform, pp.4385-4390 Jiangming Zhang, Hongji Yang,Zongqiang Pang

Multi-source Information Fusion based Motor Fault Diagnosis via Deep Discriminative Residual Adaptation, pp.4391-4396 Xiangbo Qiao,Yong Zhang,Xiaopeng Cui,Wei Zhou,Shaowu Lu,Baokang Yan

Adaptively Corrected Vicsek Model Using Fuzzy Logic, pp.4397-4402 Sheng-Jie Tang ,Xian-Xia Zhang,Yu-Rong Chen,Yin-Sheng Yu

Research on recognition and control technology of coal mine inclined shaft running cars, pp.4403-4408 Guodong SONG, Like WEI

Vision BEV-MAE: Masked Bird's Eye View Autoencoders for Camera-based 3D Object Detection, pp.4409-4414 Zhenguo Zhang,Yuanzhouhan Cao,Hui Zhang,Naiyue Chen,Chao Ren,Yidong Li

Blood Cell Detection: Enhanced YOLOv9 Algorithm, pp.4415-4420 Zhenquan Xu,Juncheng Zou,Dafeng Long,Xiaohui Wei,Guangyu Yang

Multi-level Enhanced Contrastive Learning for the Prediction of Learning Effectiveness in MOOCs, pp.4421-4426 Yuan Wang ,Zhi Liu,Hengjing Xiang,Chaodong Wen *Research on the Knowledge Graph Embedding for Rail Fault Text Based on Translation Model*, pp.4427-4432 Yi Cai, Shuai Su

Dynamic Execution Path Analysis of the Linux Kernel on ACRN, pp.4433-4438 Ruochen Shao, Yanan Wu, Longwei Liu, Yucong Chen, Rui Zhou, Qingguo Zhou

Secondary Frequency Regulation Strategy for Energy Storage System Based on Expert Knowledge Guided DDPG, pp.4439-4443 Lunjin Yang, Jinxing Lin, Zhenghao Ye

Transformer-based Diffusion model for single image deblurring, pp.4444-4448 Zhenghao Ye, Min Yang, Lunjin Yang

Hybrid Consensus-based Cubature Information Filter and Covariance Intersection Strategy for Hierarchical Distributed State Estimation, pp.4449-4454 Chentai Gao, Yingce Zhao, Xingyu Bao, Jianxun Li

Bird species recognition by integrating EfficientNet-B0 deep learning architecture and broad learning system, pp.4455-4459 Xing-Rong Fan,Hui-Ting Chen,Yu-He Deng,Hui Wan,Zong-Rong Cai,Qiu-Ju Peng

Deep learning-based dimension measurement system for industrial part inspection, pp.4460-4464 Xiao-Di Li,Xing-Rong Fan,Xian-Ming Zhang,Han-Zhi Zhang,Chun-Jie Huang,Cheng Xu

Propeller-Based Actuation Robust Control for a Mobile Rope-Towed Flying Robot, pp.4465-4470 zhenyu Huang, Yaonan Wang, Haoran Tan, Zhongsen Wang, Jiacheng Liang, Yingtian Yu

Multi-level Feature Extraction Point Cloud Registration Model Based on Cross-Attention Matrix, pp.4471-4476 Peng Chen, Jiaqi Cui, Yong Bai, Wang Dai

Intelligent Scheduling Strategy with Bandwidth Feedback in Networked Control Systems, pp.4477-4482 Zunhao Chen, Xiaojun Wu, Zijiang Yang

Feature Hybrid Reconstruction Network for Few-Shot Action Recognition, pp.4483-4487 Haokun Qi,Bin Zhang,Aozhong Wang,Yuewei Wang,Yeteng Wang,Ping Li

Short-term Photovoltaic Power Generation Forecasting with Dynamic Decomposition and Digital-Analog Fusion, pp.4488-4493 Yi Lin,Yong Zhang,Rui Zhang,Liyuan Shao,Xiujuan Zheng,Xinyue Huang

Exchange Rate Forecasting with Fused Financial Exogenous Variables by CAE-SCINet, pp.4494-4499 Jiaqi Zhang,Shijie Huang,Li Zheng

A Multi-Operation Mode KPI Control Method Based on Regression Rule Extraction from Deep Neural Networks, pp.4500-4507 Ran Hong,Bei Sun,Zhixuan Peng,Peng Kong,Yonggang Li,Maopeng Li

Merging On A Parallel-Type Entrance Ramp Using Hybrid-Action Reinforcement Learning, pp.4508-4513 Haonan Wu, Zifeng Chen, Yuan Lin

Research on Risk Accurate Prediction Method of Train Platoon Operation Based on KPCA-EBWO-SVM, pp.4514-4519 Zhu Yuening,Shangguan Wei,Dun Yichen,Song Hongyu,Chai Linguo,Zhu Siyu

Adaptive Event-Trigged Control for Intelligent Connected Vehicles Systems with Collision Avoidance, pp.4520-4525 Qingqing Wang,Kewen Li,Yongming Li

Digital Twin based Fault Diagnosis of Motor with Spatio-temporal Graph Convolutional Networks, pp.4526-4531 Xinyue Huang,Yong Zhang,Chang Liu,Qingjie Liu,Yaqiong Duan,Yi Lin

Generation of Autonomous Vehicle Testing Trajectories for Cut-In Scenario Integrating Data and Kinematics, pp.4532-4537 Hang Gao, Zhen Liu, Xun Gong, Hong Chen

GPP estimation of a grassland ecosystem based on photosynthesis-hydrology coordination optimization, pp.4538-4541 Lijiang Fu,Jinglu Tan,Yongnian Jiang,Suleyman I. Allakhverdiev,Zhenyu Xu,Ya Guo

SCINet for mitigating distributional bias in electric coal inventory prediction, pp.4542-4549 Ji Xunsheng,Liu Wenya

Disturbance Observer-Based Prescribed-Time Control for Flexible Rope Systems, pp.4550-4554 He Yang ,Chuan Zhang,Xiaoyu Sun

Adaptive Variational Mode Decomposition for Bearing Fault Diagnosis, pp.4555-4560 Yuntao Zhao,Zhenglu Li

MCUNet:Multi-Level Feature and Uncertainty-Guided Lung Nodule Segmentation, pp.4561-4565 Xinning Li

Nonlinear Backstepping Trajectory Tracking Control for a Quadcopter with Experimental Validation, pp.4566-4571 Siwei Xiang,Ziying Yang,Yao Yu,Yi Shi,Kairong Duan,Weidong Zhang,Wei Xie

Disturbance Observer-Based Hysteretic Quantized Fuzzy Control For Nonlinear Parabolic PDE System, pp.4572-4577 Xiaoyu Sun,Chuan Zhang,He Yang

Robust Pose Graph Optimization Using Two-stage Initialization and Covariance Matrix Rescaling Algorithm, pp.4578-4583 feng yuxuan,fang hao,cui jinqiang,liu ziming

DFE-SLAM: Dynamic SLAM based on improved feature extraction, pp.4584-4589 Cheng Guiying, Jianfang Jia, Xiaoqiong Pang, Jie Wen, Yuanhao Shi, Jianchao Zeng Phenotyping the Seedling Vigor in Winter Wheat Based on Multispectral Images, pp.4590-4594 Song Youhong,Zhu Yulei

SpecuPro: An Integrated Method for Refined Specular Reflection Removal in Endoscopic Images, pp.4595-4599 Jian Chen,Ali Shuaib,Ya Guo,Zhijian Zhang,Xinhong Song

Lightweight RGBT Target Tracking Algorithm that Incorporates an Attention Mechanism, pp.4600-4605 Junjia Wang, Fanqin Meng, Qian Zhao, Tao Xie

Fault-tolerant group consensus control of hybrid multi-agent systems based on event-triggering strategy, pp.4606-4611 Hongli Xiao

Interval Prediction of Air Conditioning Load Based on Quantile Regression BiTCN-BiGRU-Attention Model, pp.4612-4617 Chongyi Tian,Qiang Liu,Changbin Tian,Xin Ma,Yuanyuan Feng,Dong Han

Trajectory Control of Multi-Axis Robotic Arms Based on Physics-Informed Neural Networks and Nonlinear Model Predictive Control, pp.4618-4623 Yiqing Wang

Large Scale and High-Precision Crop Recognition using Satellite Remote Sensing Images, pp.4624-4629 TaoXuanting,Suleyman I. Allakhverdiev,Jinglu Tan,Zhenyu Xu,Jianguo Zhang,Ya Guo

An Enhanced Sparrow Search Algorithm and CNN-BiLSTM Neural Network for Predicting Air Conditioning Cooling Load, pp.4630-4635 An Yan, Changbin Tian, Che Liu, Xin Ma, Bo Peng, Xiangxue Ma

Cluster-Enhanced Federated Graph Neural Network for Recommendation, pp.4636-4641 Haiyan Wang,Ye Yuan

Improved Non-singular Fast Terminal Sliding Mode Control and Disturbance Observer for PMSM, pp.4642-4647 Yashu Liu,Weiwei Sun,Linfang Shao,Yongshu Li

Model Predictive Control and Grid Voltage Sliding Mode Observer for LVRT of Grid-connected Inverters, pp.4648-4653 Yongshu Li,Weiwei Sun,Yashu Liu

Intelligent Optimal Input-Constrained Control With Model Uncertainty and External Disturbance Applied to Robotic Manipulators, pp.4654-4659 Yalu Su,Dan Xiong,Yiyong Huang,Wei Han

Auxiliary model based maximum likelihood least squares iterative estimation algorithm for bilinear systems with colored noises, pp.4660-4665 Meihang Li,Ximei Liu

Cloud Removal in Remote Sensing Images Using Attention-Guided Dual-Stream U-Net with SAR, pp.4666-4670 Hangyu Dai ,Jianguo Zhang,Yongnian Jiang,Wendong Zhao,Yingfei Liu,Ya Guo

A Gender Recognition Method for Chinese Mitten Crab in Low Light Environment Based on Machine Vision, pp.4671-4675 Junlong Tian, Ya Guo, Yingfei Liu, Jianguo Zhang, Yongnian Jiang

Enhancement and Analysis of Transient Stability of VSC with Anti-Windup Augmented Phase-Locked Loop, pp.4676-4681 Zhengke Zhang, Yuanlong Li, Fei Gao

Regional Variability in Vegetation Greenup Times: A Fine-Grained Analysis Using Ensemble Machine Learning Models, pp.4682-4687 Xiaohan Luo, Ya Guo, Wei Guo, Jian Chen

Depth Quality Enhancement and Feature Shrinking Guided RGB-D Salient Object Detection, pp.4688-4693 Peng Chen, Wen Luo, Qiulin Li, Heshan Zuo, Yuyao Niu

A Complete Exploration and Mapping Algorithm for Robots in Unknown Obstacle-Cluttered Environments, pp.4694-4699 Xinye Xie,Ronghao Zheng,Senlin Zhang,Meiqin Liu

Digital Modeling of Yard Container Characteristics Using 3D-CNN for Enhanced Terminal Operation, pp.4700-4705 Xuheng Wang,Ming Xu,Qianyu Liu,Hongyu Ma,Shu Cheng,Longhua Ma,Xiaohui Zhong

Bi-level Optimization of the Integrated Energy System with Flexible Thermoelectric Ratio Adjustment , pp.4706-4711 Shaowei Shi,Xin Ma,Changbin Tian,Xiangxue Ma,Bo Peng,Che Liu

Construction and Application of Virtual Light Scene for Solar Greenhouse Groups, pp.4712-4715 Demin Xu,Yuntao Ma

A Goal-oriented Trajectory Prediction Network, pp.4716-4721 Xuping Liu

CMBSR: Contrastive Multi-Behavior Social Recommendation via Graph Neural Networks, pp.4722-4727 Jiaxu Fu, Yuxing Zong,Xiaorong Shen,Shimin Cai

High Intensity and Uniform Magnetic Field Sensor for Trenchless Underground Cable Detection, pp.4728-4732 Shouhang Yuan, Jinlin Ye, Wei Zhang

Event-triggered fixed-time tracking for multi-agent systems with directed topologies and communication noises, pp.4733-4738 Long Tang

A Control Method for Coal Slime Water Thickening Process in Coal Preparation Plants Based on BP-TSFNN, pp.4739-4744 Shangluo Fu

An Intelligent Method for Target Intention Recognition and Trajectory Prediction in Complex Aerial Combat Scenarios, pp.4745-4750 Ningyu He, Haiyang Meng, Guangshan Chen

Research on the Regional Pricing Strategy of Electric Vehicle Aggregators Based on Master-Slave Game Theory, pp.4751-4756 Shipeng Sun, Chongyi Tian, Yubing Liu, Zhongao Liu, Jinlong Zhang, Bo Peng

High-precision tracking control of parallel robots using the superhelix algorithm, pp.4757-4762 HaoweiJiang,RuchaoLiu,LidiQuan,BingLi,XiaoyuXu

Design and Control of Rope-driven Flexible Manipulator with Variable Stiffness, pp.4763-4768 Hongzheng Sun,Yinghua Cao,Ao Zhang,En Li,Gang Chen

Stability analysis of torsional vibrating systems with delayed vibration absorbers, pp.4769-4772 Jinpeng Liu, Yifan Liu, Jinhua Chen, Xu Li

Economic optimization model of building aggregator based on multi-agent master-slave game, pp.4773-4778 Jinlong Zhang,Bo Peng,Zhongao Liu,Yubing Liu,Shipeng Sun,Xin Ma

Design and Implementation of a Simulation Platform for Closed Systems, pp.4779-4783 Jing Hua, Haoyu Wang, Xiujuan Wang, Mengzhen Kang

A Novel Lexicon Enhanced Named Entity Recognition Model for Network Security Domain, pp.4784-4789 Zhiyang Jin,Yusun Fu,Yuehui Huan,Jinliang Xue,Chengguang Wang,Yuanfang Chen

Unsupervised Domain Adaptation Image Segmentation for Froth Flotation Process Based on Appearance Generative -Adversarial Adaptation Networks, pp.4790-4795 Wentao Gu, Degang Xu, Guanzheng Tan

Entropy-Guided Reinforced Open World Active 3D Object Detection Learning, pp.4796-4801 Haozhe Zhang, Liyan Ma, Shihui Ying

Parity Space-Based Fault Detection for High-Speed Train Traction Motor Systems Described by T-S Fuzzy Model, pp.4802-4807 Guangdong Sun, Jiahong Xu, Maiying Zhong, Lu Zhang

A Novel Fault Diagnosis Method for Road Tunnel Ventilation Equipment Based on EEMD-SE Model, pp.4808-4813 Shan Lin, Haopeng Wu

A Robust Cubature Kalman Filter for INS/CNS Integrated Navigation with Measurement Outliers, pp.4814-4818 Di Liu

Biomimetic lateral line tactile sensing technology based on triboelectric nanogenerator, pp.4819-4823 Aiqiang Yu,Jianhua Liu, Siyuan Wang,Peng Xu,Yuanzheng Li,Weilin Meng,Junhao Zhao,Minyi Xu

Stochastic Configuration Networks for Data Augmented Seismic Magnitude Prediction, pp.4824-4829 Yuanhang Qiu, Dianhui Wang

Enhancements in Data Querying: Applying MMR-Integrated In-Context Learning to LLM-based Text-to-SQL, pp.4830-4833 Li Junfang, Huang Ming, Ženg Zhenyu, Yang Chunjie

Time-varying Formation-containment Tracking Control of Heterogeneous Multi-agent System under Denial of Service Attack and Sensor Fault, pp.4834-4839 Baojian Niu, Huijin Fan, Lei Liu, Bo Wang

Randomized rounding algorithm for the parallelmachine customer order scheduling with delivery time and submodular rejection *penalties*, pp.4840-4844 Xiya Zheng,Hao Zhang,Xiaofei Liu

An Enhanced Path Tracking Control Method for Unmanned Surface Vehicles Using Combined Reinforcement Learning DDPG Algorithm and MPC, pp.4845-4850 Wei Wu,Wentao Xue,Zhaoping Du

Design and Implementation of Fractional-Order PI Control for Fractional-Order Optical Communication Systems, pp.4851-4856 Jiachen Li,Tong Guo,Wenqiang Xia,Shanlin Zhuang,Zhijun Li,Jiuqiang Deng,Yao Mao

Research on Trajectory Tracking Control of Robots in Narrow Spaces Based on Disturbance Compensation, pp.4857-4861 Zeyang Ma, Fengying Cui

Practical Predefined-Time Consensus Control for High-Order Multiagent Systems Via Output Feedback, pp.4862-4867 Xiaoting Li,Xiaotong Cao,Yueti Li,Dexin Jiao,Chen Wang,An-Min Zou

Utilizing ESP Mesh Ad-hoc Networking for Home-Based Planting Facility, pp.4868-4873 Puyi Guo, Jing Hua, Mengzhen Kang*, Liang Chen*

Preference-based Multi-Objective Reinforcement Learning with Explicit Reward Modeling, pp.4874-4879 Ni Mu, Yao Luan, Qing-shan Jia

Electromotive Force Calculation and Analysis of An Inductive Displacement Sensor Based on ANSYS Maxwell, pp.4880-4884 Jinlin Li,Xinyue Yang,Shuncong Zhong

A Physical Information Neural Network (PINN)-based model for soft measurement of 3D temperature field in aluminium electrolysers, pp.4885-4890 Tianqi Song,Xiaogang Zhang,Hua Chen,Lei Zhang,Dingxiang Wang

A Construction Method of a Network-Type Index System for Air Combat System Effectiveness Evaluation Based on Association Rules Mining, pp.4891-4896

Hao Chen, Siyang Yu, Shuaiwei Nan, Wenhao Bi, An Zhang

SOFC system fault diagnosis method based on maximum mutual information coefficient and particle swarm optimization support vector *machine*, pp.4897-4902 Juan Mei ,Keye Li,Yuxiao Yang,Guohao Yuan ,Yu Li,Xiaolong Wu

Temperature prediction method of lithium-ion battery pack based on attention mechanism optimized convolutional neural network and gated recurrent unit, pp.4903-4908 Ğuohao Yuan,Keye Li,Yu Li,Juan Mei,Yuxiao Yang,Xiaolong Wu

Active Disturbance Rejection Control for Random Signal Tracking in Electro-Optical Tracking Systems Based on Random Sensitivity Function, pp.4909-4914 Shanlin Zhuang,Luyao Zhang,Jiachen Li,Jiuqiang Deng,Zhijun Li,Yao Mao

Temperature Equalization Control Strategy for Multi-Stack Solid Oxide Fuel Cell System Based on Anode Ni Particles Coarsening Mechanism, pp.4915-4920 Han Wu,Guohui Xiang,Jingjing Wang,Xiyun Tang,Yufei Pan,Xi Li

An Improved ABC Algorithm Based on Deep Reinforcement Learning for Multi-UAV Target Assignment, pp.4921-4926 Yisong Zhang, Guoxing Yi, Hao Wang, Yu Cheng, Yiran Chen, Zhennan Wei

A Class of Perimeter Defense Strategy via Relative Time and Maximum Matching, pp.4927-4931 Chengqian Yang, Bomin Huang, Lixiong Lin, GuangTong Xu, Ziyu Du

Model-based remaining useful life prediction of PEMFC using EMD and ARIMA, pp.4932-4937 Rou Peiyu, Wang Xinli, Wang Lei, Jia Lei

Research on real-time welding spot extraction algorithm for welding seam tracking, pp.4938-4943 Yuntao Zhao, Yiyang Huang

Research on Detection Method of Moldy Tobacco Leaf Raw Materials Based on Hyperspectral and Deep Learning, pp.4944-4948 Shanlian Li, Pengfei Fan, Erqiang Zhang, Lei Zhang, Jianwei Ma, Xueyi Qiao

Analysis of Motion Intention Prediction Based on Human Gait Data, pp.4949-4953 Huichao Duan, Aihui Wang, Shengda Gao, Hengyi Li, Xuebin Yue, Yan Wang

Enhancing Binary Neural Network with Response Distillation and Supervision, pp.4954-4959 Yingqing Yang,Jiamei Liu,Hongyu Ma,Yangfan Zhao,Zhandong Ma,Longhua Ma

Electrical and thermal performance optimization of photovoltaic/thermal system using multi-objective Jaya algorithm, pp.4960-4965 Xiaolu Jiao, Tao Yan, Sida Ren, Yanxiang Feng

Dynamic learning from neural PID output-feedback control for a lower limb exoskeleton rehabilitation robot, pp.4966-4971 Wen Li,Xinhao Zhang,Weitian He,Chaobin Zou,Qinchen Yang,Fukai Zhang,Hong Cheng,Cong Wang

BMoE-AdaLoRA+: Parameter Efficient Fine-tuning for Segmenting Anything Model, pp.4972-4977 Yafei Peng,Yong Zhang,Han Liu,Jianliang Chen,Rukai Lan,Hui Liu

Biosafety management system for pig farms based on deep learning and Internet of Things technology, pp.4978-4983 Kongke Liang, Mingjia WANG

Digital Twin Based Tool Wear State Recognition with Domain-Integrated Multi-Residual Network, pp.4984-4989 Hui Liu, Yong Zhang, Zhen Luo, Xiujuan Zheng, Yaqiong Duan, Yafei Peng

Small Intestine Tumor CT Image Segmentation Method Based on Self-Supervised Learning, pp.4990-4995 Linpeng Li, Mingjia Wang

Digital Twin based Bearing Fault Diagnosis with Convergent Attention, pp.4996-5001 Qianzhi Fang, Yong Zhang, Tingsong Ma, Junyang Jin, Maolin Wang, Yaqiong Duan

Digital Twin Enhanced Anomaly Localization for Industrial Cyber-Physical Systems, pp.5002-5007 Xin Du,Chunjie Zhou,Kunkun Wang

Domain Adaptive Small Polyp Detection Using Image Enhancement and Feature Fusion, pp.5008-5013 Ying Zheng, Junhe Zhang, Yao Yu

Anomaly Diagnosis of Catalytic Cracking Process Based on Autoencoder and Causal Model, pp.5014-5019 Yue Zhang, Zhenpeng Hu, Qi Sun, Chunjie Zhou

Tracking Control on Closed-Loop-Identification UAV with Constrained Attitude Angle Based on Barrier Lyapunov Function, pp.5020-

Zhe Wang, Wei Wang, Zhengian Wang, Mengze Yu, Xingjian Long, Kunrui Ze

Node-Loss Detection of Silicon Single Crystal with Dual-channel Cross-modality Feature Enhancement, pp.5026-5031 Tuzhan Liu , Yong Zhang, Junyang Jin, Yaqiong Duan, Maolin Wang, Qianzhi Fang

Research on Motion Planning Method for Robotic Arm under Obstacles, pp.5032-5037 Bingyi Wang, Minhua Liu, Jiabin Yu, Zhiyao Zhao, Xiaoyu Cui, Luming Cai

A Study on ECG Electrocardiogram Signal Classification Based on Improved CNN-LSTM, pp.5038-5042 Zhen-Tao Chui,Wei Chen

Finite-dimensional observer-based model predictive controller for heat equation in silicon single crystal growth process with time delay, pp.5043-5047 Fan Liu,Ding Liu

ST-DCAN: Spatio-temporal Dual Compression Attention Network for Traffic Prediction, pp.5048-5053 Tong Guan, Jun Liang, Jiaheng Peng, Yinxiao Zhan

Point cloud segmentation network based on multi-scale feature fusion, pp.5054-5059 Hao Deng, Peng Cheng, Shengmei Cheng, Cheng Liu, Shaoyi Du, Lin Wang

Water Content Control in Tobacco Leaf Loose and Moisture Regain Process based on Deep Reinforcement Learning, pp.5060-5065 Yuqi Liu, Yue Wu, Jianhui Gu, Ye Cao

Efficient Mobile Road Defect Detection with Parameter-Reduced AL-YOLOv8s, pp.5066-5071 Heng Pan, Juncheng Zou, Dafeng Long, Xiaohui Wei, Guangyu Yang

Dynamic Optimization of Path-Constrained Switched Systems with Multiple Time-Delays, pp.5072-5077 Manyi Zeng, Huan Li, Jun Fu, Xiaochen Zhu

Distributed Fixed-time Coordinated Control for Multiple Electric Units in High-Speed Trains, pp.5078-5083 Ran Lu, Du Shang, Shuai Su

Multirate Signal based Fault Diagnosis of Hydraulic Systems with Residual Shrinkage Separable Convolutional Network, pp.5084-5089 Pengpeng Qu, Yong Zhang, Rui Tang, Yukang Ge, Xiujuan Zheng, Wei Zhou

Digital Twin-assisted Gearbox Fault Diagnosis Framework using Hybrid Adversarial Domain Discriminative Networks, pp.5090-5095 Yukang Ge,Yong Zhang,Tao Liao,Zuowei Ping,Jianliang Chen, Yaqiong Duan

Tobacco stem object detection based on improved YOLO, pp.5096-5101 Wangda Lu, Jiakang Li, Bo Xu, Mingdeng Fan, Dayong Xu, Xiaogang Zhang

Distributed optimization for multi-agent systems under disturbances with quantization and event-triggered communication, pp.5102-5107

Shanshan Qi, Zhiqiang Zhang, Zehuan Lu

An Innovative Dual Closed-Loop Control Strategy for Peak Stability of High-Frequency Fatigue Testing Machine, pp.5108-5113 Xiaolong Jiang

Optimization of Tiered Pricing Strategy for Smart Grid Considering Clean Energy, pp.5114-5119 Xiaocheng Wang,ZeLong Li,Pengjiao Sun,Qiaoni Han

Development of a Compact Optical Layout for a Miniature Fluorescence Spectrometer: In-Situ Detection of Organic Pollutants in Aquatic Environment , pp.5120-5125 Xingyu Fan,Jie Yu,Qiuhao Zhang,Shuai Cao,Lingke Zhang,Fangjia Xue

Recent Advances in Planning for Autonomous Driving and Mining Trucks: A Survey, pp.5126-5133 Jun Bo, Bin Tian, Xiaoyu Xiong, Shi Meng, Yunfeng Ai, Long Chen

Research on the Modeling and Optimization of Mutual Inductance in Dynamic Wireless Charging Systems for Electric Vehicles, pp.5134-Xin Liu, Yang Song, Yan Guo

A rolling bearing fault diagnosis method based on improved cheetah optimization algorithm, pp.5140-5145 Zhihang Jiang

Efficient Human-Robot Safety Framework Based on Human Hand Trajectory Prediction and Path Replanning, pp.5146-5151 Xinjie Chen, Hui Zhang, Bo Chen, Kang Li, Yiming Jiang

Local Identification of Hammerstein Parameter Varying Systems with Asymmetric Noise Characteristics, pp.5152-5157 Ma Zhengya, Chao Yiwei, Liu Kangbo, Wang Xiaoxu, Wang Binglu

SRECA: Style Remodeling and Essence Content Augmentation for Domain Generalization, pp.5158-5163 Xinyi Li,Wencang Zhao

Optimal Control of Multi-rate Systems Using Inverse Reinforcement Learning, pp.5164-5169 Pengxu Ren, Wei Dai

Optimal Trajectory Planning and Control of Manipulator Based on Model Predictive and Inversive Control, pp.5170-5175 Yongning HE, Tianle TAN, Xiaohui SUN, Ying XIN, Wanchao ZHANG, Shufeng SHI

Multi-Objective Trajectory Optimization of Collaborative Robots Based on improved NSGA-III, pp.5176-5181 Hongbo Wang,Bin Tian,Shuangshuang Han,Shichao Chen

General Planning Method for Humanoid Collaborative Robots using Large Language Models, pp.5182-5187 Runqin Gao, Jiamin Shi, Shu Tian, Shitao Chen

Remaining Useful Life Prediction for Hidden Degradation Process with Multiple Source Uncertainty, pp.5188-5192 Xia Wu,Xu Yang,Jian Huang,Jingjing Gao

Research on Velocity Vector Tracking Technology Based on Nonlinear Model Predictive Control, pp.5193-5198 Chuntao Li,ZeJia Wang,Xin Chen,Jingxuan Zeng,Yuepu Han

Forecasting spring frost frequency based on time series decomposition model and machine learning, pp.5199-5203 Wei Guo, Miao Fang, Jinglu Tan, Yongnian Jiang, Ya Guo

Knowledge Graph Completion for Industrial Robots Based on Graph Attention Network, pp.5204-5209 Jie Yu

A genetic algorithm for optimizing structural brain network across cognitive tasks, pp.5210-5215 Youzhi Qu,Wendu Li,Junfeng Xia,Jiahao Tang,Kaining Peng,Zhichao Liang,Haiyan Wu,Quanying Liu

An Efficient Transformer Incorporating a Spatial Decay Matrix and Attention Decomposition for Image Matching, pp.5216-5221 Yongjie Sui,Yan Zheng,Qing Zhu,Zhen Zhou,Lin Chen,Jianqiao Luo,Yaonan Wang,Zihao Yang

Design and Control of a Novel 5-DoF Tilt-Rotor Quadcopter, pp.5222-5227 Zhenwei Lin,Wei Liu,Dabo Xu

Attitude Estimation based on Angular Accelerometer in High Dynamic Environments, pp.5228-5233 Meiling Wang,Yuqian Liu,Chaoyang Zhai,Simai Wang,Kexuan Zhai

LVIO-MOT: Online Lidar-Visual-Inertial Odometry with Multiple Object Tracking, pp.5234-5239 Haoxiang Liu, You Wang, Yanlin Zhou

Modeling Plant Responses to Water Supply Based on Functional-Structural Plant Model 'GreenLab', pp.5240-5245 Xiujuan Wang,Fangle Chang,Mengzhen Kang,Jing Hua ,Haoyu Wang,Philippe de Reffye

A Generative Prediction Model Based on TimeVAE and Crossformer for Predicting Multi-channel Data of Transformer Bushing, pp.5246-

Xiangjie Huang ,Xun Lang,Peng Li ,Tao Guo, Li Yu

Research on Modeling and Control Method for PMLSM Considering Asymmetric Mutual Inductance, pp.5252-5257 Shijie Gu,Minghe Qu,Peichang Yu,Peiran Sun,Mingxin Liu,Jie Li

Integrated train timetabling and rolling stock circulation planning for cross-line operation in urban rail transit, pp.5258-5263 Miaoyu Ju,Yihui Wang,Kangqi Zhao,Nikola Bešinović

Reinforcement learning-enhanced dynamic multi-objective evolutionary algorithm for cooperative shovel scheduling in open-pit mining, pp.5264-5269 Zihao Zhang,Changhe Li,Shengxiang Yang

Adaptive disturbance rejection control of overhead cranes based on neural network, pp.5270-5275 Weiqiang Tang,Xiaoyun Wu,Meng Sun

A Layered Essential Visibility Graph Approach for Energy-Efficient UAV 3D Path Planning, pp.5276-5281 Chaofan Wan,Zhuoran Li,Ziwei Yan,Pengkun Hao,Liang Han,Xiaoduo Li

CNN-DBSCAN Intermittent Electricity Theft Detection Method for High Loss Station Areas Based on Correlation Analysis, pp.5282-5287 Jingwei HU,Zengji LIU,Xia ZHOU,Tengfei ZHANG

A Track Step Identification Algorithm for Medium and Low Speed Maglev Trains Based on Fuzzy Theory, pp.5288-5293 Haochen Zhu, Qicai Li, Danfeng Zhou, Jie Li

Consensus-Based Dynamic Task Allocation for Multi-Robot System Considering Payloads Consumption, pp.5294-5299 Xuekai Qiu, Pengming Zhu, Yiming Hu, Zhiwen Zeng, Huimin Lu

Compressed CNN for Atrial Fibrillation Detection on Wearable Devices, pp.5300-5305 Ziyan Wu, Jinhui Liu, Wei Zhu

Dual-Mode Turbidity Measurement System Based on Embedded System, pp.5306-5311 Huaiyu He,Zijian Lu,Juan Chen

Improved Model-free Adaptive Control of Continuous Stirred Tank Reactor, pp.5312-5316 Xinyao Li,You Fan,Juan Chen

Long-Term Prediction for Harmful Gas Concentration Based on RevIN-KANformer Model, pp.5317-5321 Ziyu Zhang,Huaiyu He,Juan Chen

Multi-Agent Based SOC Equalization Control Strategy for Distributed Battery Energy Storage System, pp.5322-5327 Shu Liu, Rui Ling

Reservation-Based Vehicle Cooperation Method for Mixed Traffic Flow at Ramps, pp.5328-5333 Huan Wang,Xin Huang,Yongfu Li,Hang Zhao

Triboelectric bionic tail-fin shaped flexible sensor for proprioception, pp.5334-5338 Zhaochen Meng,Jianhua Liu,Peng Xu,Siyuan Wang,Weilin Meng,Zhaoyang Mu,Wenxiang Li,Minyi Xu

Finger vein recognition algorithm based on MobileNet and ConvNeXt, pp.5339-5342 Yiwen Tai,Jian Guo,Wangrong Cai,Zheng Tong

Prescribed-Time Adaptive Neural Tracking Control of Full-State Constrained Nonlinear Systems, pp.5343-5348 Xiaojie Wang, Weiyao Lan, Xiao Yu

Hierarchical Discriminative Feature Aggregation based Offline Handwritten Chinese Text Recognition, pp.5349-5354 Tianlei Wang

Learning Graphic Convolutional Network Based Quadruped Locomotion on Complex Terrain, pp.5355-5360 Xiaoyu Li,Ang Li,Xin Liu,Yufei Xue,Xin Xu,Chenkun Qi

Heart rate estimation algorithm for radar signals based on Resnet18 and MobileViT, pp.5361-5366 Zheyu Wang,Jian Guo,Xingfu Xie,Shilin Zhang,Huike Liu

Unsupervised Enhancement Model for Brightness Equalization of Small Celestial Body, pp.5367-5372 Qinjie Zhou,Wei Shao

LS-UNet for Semantic Segmentation of Fine-Resolution Remotely Sensed Images, pp.5373-5378 Yao Liu,Xiang Wang,Liangren Shi,Yuanlong Li

Semi-supervised fault classification based on pseudo-label learning in chemical processes, pp.5379-5384 Zishan Gu,Li Zhu,Junghui Chen,Xirong Xu *NeFF: Semantic Information Learning In 3D Space Using Neural Feature Field*, pp.5385-5390 Yimu Yang,Cailian Chen

ChangeAD: Enhanced Remote Sensing Change Detection via Bi-temporal Alignment and Differential Feature Integration, pp.5391-5396 Jiangtao Meng

Weld Seam Differentiation and Welding Torch Attitude Determination based on Point Cloud Data, pp.5397-5402 ZengXv Li,GuoDong Chen,MingDa Jin,Wei Guo,Wei Shao

APF-BDCA: Improved A-star Path Planning Algorithm for Intelligent Vehicles Integrating Artificial Potential Fields and Direction Constraint, pp.5403-5408 Xiao Liang,Wei Shangguan,Yuanyuan Zha

Design and Implementation of an Intelligent Security Patrol Robot with Nighttime Dynamic Object Detection Functionality, pp.5409-5414

Jiayi Zhou, Xiaogang Wang, Mingrui Chang, Keyu Chen, Haijun Li, Zhenhao Xu

Distributed Fixed-time Optimal Control of First-order Stochastic Multi-Agent Systems, pp.5415-5420 Junliang Xin, Zhijun Guo, ZhiGang Chen

Dual-branch Speech Enhancement Network for Noise-robust Automatic Speech Recognition, pp.5421-5426 Tianlei Wang

Multi-reservoir scheduling optimization with cooperative game based on coalition formation method, pp.5427-5432 Kai Chen, Linyao Wang, Youqing Wang, Li Liang

Deployment of Dynamic Defense Strategies for Multiple Devices in the Industrial Internet Based on Zero Trust, pp.5433-5438 Mo Wang, Jianlei Gao, Yun Li, Zhe Wang, Tianyu Gong

Single-Stage UAV Geolocation Enhancement With MaSA and Self-Homologous Loss, pp.5439-5444 Huangbin Lin,QIng Zhu,Zhen Zhou,Yaonan Wang,Yongjie Sui,Yijiang Li,Tianming Li,Zichen chen

Optimization Method of Excitation System Parameters of Synchronous Condenser for Coordinated Voltage and Damping Support, pp.5445-5449

. Chuan Liu,Dengfeng Li,Mincai Yang,Yongtao Chen,Yuming Liu,Xiaojun Zhu,Meng Si,Miao Huang

Semantic Segmentation Network for Small-body Rock Based on Improved DeepLabv3+, pp.5450-5454 Jiaojiao Lou,Lei Yu,Zhixing Zhang

A novel time-driven multiple modes division based NCA method for the AHU system fault detection , pp.5455-5460 Huanhuan Meng, Hanyuan Zhang*, Yu Fu, Jintao Ma

Collaborative Optimization of Semiconductor Manufacturing Production and Opportunistic Maintenance Scheduling based on QMIX, pp.5461-5466 Mudan Hong, Juan Liu, Fei Qiao

Q-learning-based predictive control for capacity adjustment in reconfigurable job-shops, pp.5467-5470 Ping Liu,zongjia Li,Aihui Wang,Qiang Zhang,Jurgen Pannek

Real-Time Traffic Management of High-Speed Trains: A Novel Approach Combining Optimization with Machine Learning, pp.5471-5476 Chong Li, Jiateng Yin, Lin Ma, Tao Tang

LSCC-Net: Convolutional Neural Network for Coated Corn Seed Variety Recognition, pp.5477-5481 Rui Sun,Lei Yu,Wei Shao,Wei Guo

NFIM: A Neural Frequency Interpolation Model for Grid Load Time Series Forecasting, pp.5482-5486 Chongyu Chen,Changjiang Ju,Can Xiong,Xiaotian Yu,Wenjing Ni

Attitude Takeover Control Using Cooperative Game Considering Time-Varying Angular Momentum, pp.5487-5492 Yulu Luo,Tao Meng

Nonlinear Filters-Based Adaptive Heading Tracking Control of Marine Vehicles Subject to Asymmetric Dead-Zone Output, pp.5493-5498 Yanli Liu,Xinyu Yang,Li-Ying Hao

Multi-robot obstacle-avoidance formation based on graph neural networks and imitation learning, pp.5499-5504 Yu Wang,Zongtan Zhou,Wei Da,Ce Guo,Pengming Zhu,Peng Liu

Adaptive Asymptotic Tracking Control of Strict-Feedback Nonlinear Parameterized Systems, pp.5505-5510 Yanli Liu,Hongjun Ma,Zhiyao Ma

Sensorless Algorithm of Permanent Magnet Synchronous Linear Motor Based on Super-Twisting Sliding Mode Observer with New Adaptive Strategy, pp.5511-5516 Peiran Sun, Qiang Chen,Yuxin Jin,Shijie Gu,Mingxin Liu ,Jie Li

Gravity Anomaly Extraction Method Based on Wavelet Transform and Kalman Filtering, pp.5517-5522 Bingzhi Song,Shaokun Cai,Ruihang Yu,Zhiming Xiong,Bainan Yang

Research on control method of Free-floating Platform for Microgravity Experiment, pp.5523-5527 LU Lizheng

The Design and Implementation of the Embedded Sleep Ecosystem, pp.5528-5533 Wenbiao Chen, Qing Song, Lingmin Zhang, Zhen Li

Edge and Density-Aware Attention Network for Automatic Liver Segmentation, pp.5534-5539 Hui Wang,Shuli Guo,Lina Han,Yating Zhang,Zhilei Zhao,Desheng Liu
System summarization based on multimodal language model with attention-weighted fusion, pp.5540-5545 Yikun Li,Na Lu, Hao Guo

Enhanced YOLOv8 Method for Real-Time Detection of Complex Fabric Defects, pp.5546-5550 Mingyu Jiang, Bin Wu, Hongying Zhang

Enhancing Cyber-Security in Industrial Control: An Encrypted MPC Framework with Neural Network-Based Generalization, pp.5551-5558 Zhenchen Liu, Shaoyuan Li, Qibo Liu, Yi Zheng

SID-YOLOv5: Improved Object Detection Algorithm for Sea Surface Scenes, pp.5559-5564 Hongshan Chang,Xu Li,Shubao Wang,Xingang Pan,Jian Hu,Keyan Shang

Constrained Adaptive Simultaneous Control of Oxygen Excess Ratio and Cathode Pressure for PEMFC Air Supply System, pp.5565-5570 Lingfeng Wang, Lei Wang, Zhiyang Liu, Hongye Su

TGRL: A Trajectory-Guided Reinforcement Learning Approach for Robust Autonomous Racing, pp.5571-5576 Yaofeng Sun,Dong Qu,Ziyang Zuo,Heng Zhang,Liang Xu,Xiaoqiang Ren,Xiaofan Wang

Attitude Control of Rigid-Elastic Coupled Hypersonic Vehicle Based on Active Disturbance Rejection Control, pp.5577-5582 Xinru Li, Sixing Zhang, Wentao Tang, Yi Ji, Junfang Fan

Adaptive Tracking Algorithm for Hypersonic Maneuvering Target Based on Bi-satellite Positioning, pp.5583-5588 Zhumu Fu,Dongfeng Wan,Zhikai Wang,Fazhan Tao

Adaptive Disturbance Rejection Control Design for Quadrotor UAV Based on High-Order Fully Actuated System Method, pp.5589-5594 Sirui Liu

Neuroadaptive Bipartite Consensus Control for Uncertain Networked Agent Systems Subject to Actuator Attacks, pp.5595-5600 Yulin Kang,Mengji Shi,Long You,Jiangfeng Yue,Boxian Lin,Kaiyu Qin,Kexiang Wang

Neural Network-Based Load Swing Angle Tracking Control For Underactuated Ship-Mounted Cranes, pp.5601-5606 Qiuchen Yin,Yuzhe Qian,Shujie Wu,Yakang Wang

Control-oriented Modeling of Floating Wind Turbines with Added Mass based on Kane's Method, pp.5607-5612 Yinlong Hu,Pengyu Chen,Wancheng Wang,Yi Zhao

Vibration Isolation and Control of Variable Stiffness Fast Steering Mirror Based on Extended State Observer and Sliding Mode Control, pp.5613-5617 Jin Luo,Luyao Zhang,Shanlin Zhuang,Li Miao,Yao Mao

Multiple Adaptive Fuzzy Tracking Controller for Complex Models of Continuum Robot Based on Error Upper Bound Estimation, pp.5618-5623 Yakang Wang,Yuzhe Qian,He Chen

Research on temperature control system based on cheetah optimization fuzzy PID algorithm, pp.5624-5629 Yuheng Luo,Wangyang Hu,Gang Jin,Qiang Xu

Observer-based event-triggered formation control of Multi-agent systems with external disturbances under switching topologies, pp.5630-5635 Xinxin Xie,Kai Liu

Takeoff Control for Variable-Sweep Wing Trans-Medium Aircraft Based on ADRC Extended State Observer and Backstepping Method, pp.5636-5641 Yan Zhang,Liyan Wen

GASIL-SAC: A Novel Reinforcement Learning Algorithm for Mapless Navigation of Wheeled Mobile Robots, pp.5642-5647 Bowen Lin, Junhu Wei

Optimization Scheduling of Environmentally Friendly Microgrid Incorporating Energy Storage and Carbon Sequestration Using Deep Reinforcement Learning Approach, pp.5648-5654 Ruiqi Du,Xiaowen Wang,Shuai Liu

Enhanced Stationary Trend Analysis for Monitoring Nonstationary Industrial Processes, pp.5655-5659 Siging Wu

SCN-SABO-based Parameter Prediction Methods of Calender Rubber Sheet, pp.5660-5665 Yi-Tian Wang ,Bao-Lin Zhang ,Wei Zhang,Bing-Zheng Guan ,Hui-Li Yang ,Yan-Dong Zhao,Yun Zhang

Condition-Adaptive Dynamic Evolution Method for Digital Twin of Rolling Bearings Based on Continual Learning, pp.5666-5671 Xiaozheng Li,Xiangxue Ma,Haixia Zhang,Dongfeng Yuan

Research on UAV-Assisted Computation Offloading Based on PER-SAC, pp.5672-5677 Yanke Xu, Qingbo Geng, Qing Fei, Rujian Zhang

Active Fault-Tolerant Control for Networked Nonlinear Systems under Sensor Fault, pp.5678-5683 Jianfu Liu, Ji Zhang, Yuguo Zhou

A Two-stage Coverage Path Planning Compliant with the Kinematic Constraints of USVs , pp.5684-5689 Jiachen Zheng, Baoqu Li, Qing Fei, Peizhang Li

Fault diagnosis and Fault-tolerant control of networked control systems with time delay, pp.5690-5695 Jiale Wang, Ji Zhang, Yuguo Zhou

Multi-Agent Reinforcement Learning for Crop Planning Model with Interactive Multi-Stakeholder, pp.5696-5701 Mengmeng Zhang,Haoyu Wang,Xiujuan Wang,Jing Hua,Mengzhen Kang Maximum Variance Regularization for Latent Variables Makes Autoencoder Become Better One-class Classifier, pp.5702-5709 Xiongzhuo Zhu, Chunjie Yang, Tao Lin

Self-adaptive Dragonfly Optimizer with Random Forest and Kernel Principal Component Analysis for Complex Optimization Problems, pp.5710-5715 Ziqi Wang,Boqi Yu,Hexiong Yang,Yanan Liu,Jiahui Zhai,Jing Bi

Robust Data-driven Attitude Control for the Hovering Flight of Aerial Manipulator, pp.5716-5721 Bo Pang,Zhan Li,Bingkai Xiu,Yipeng Yang

Enhancing Privacy in Microgrid Operations: A State Decomposition Approach for Consensus-Based Distributed Economic Dispatch over Directed Networks, pp.5722-5726 Keng Xu,Hanbing Xiang,Gangfeng Yan,Jiating Kuai

Prescribed-time Attitude Tracking Control of UAV Based on Prescribed-time Extended State Observer, pp.5727-5732 Haoan Wang,Shikai Shao,Yuanjie Zhao

Data-Driven and Internal Model Control for Optimal Output Regulation of Linear Systems with an Assured Convergence Rate, pp.5733-5738 Hanwen Cai,Weiyao Lan,Xiao Yu

A Self-Attention Enhanced Method for Non-Invasive Breast Cancer Grading on Magnetic Resonance Imaging, pp.5739-5744 Kangle Gu,Yiyi Chen,Jiayi Wu,Chengdong Li,Chunli Kong,Jingmin Xin

Multi-Model Ensemble and Optimization for Baby Cry Analysis Application of CNN and LSTM Methods, pp.5745-5750 Yiyang Lin, Junjie Yu

DyHeadNet: Insulator defect detection with a dynamic detection head combining lightweight and attention mechanism., pp.5751-5756 Hongchang Jing,Lijuan Yu*,Xiaobin Li,Rui Chen,Shuchang Dong,Shiwei Zhou

Carbon Tracing Method for Commercial and Office Park Distribution Networks Considering Load-Side Electricity Substitution, pp.5757-5762 Yuying Li,Changhao Zhang,Yidi Wu,Jindou Yuan,Ruoxi Geng,Yangrui Zhang

Modelling of Forecasting Kiln Tail Temperature in Lime Calcination Process Using Modified Physics-Informed Networks, pp.5763-5768 Xun Meng, Shaoyuan Li, Baoping Ren, Yi Zheng

Social Intelligence Enhancement Methods for LLM Agents Based on Retrieval-Augmented Generation, pp.5769-5774 Zhicheng Zhang, Yang Wu, Xiaolong Zheng

An Efficient Sampling and Search Method Based on Risk Framework in Highly Dynamic Scenarios, pp.5775-5780 Xinyu Shu, Jianyi Liu, Ming Chen

Running Velocity Planning and Tracking Control of Forging Manipulator Lifting Mechanism, pp.5781-5786 Yian Luo, Yan-Dong Zhao, Huidong Zhao, Bao-Lin Zhang

Adaptive Spike-based Kalman Filter for Neural Decoding in Brain-Machine Interface, pp.5787-5791 Cai Yuxuan,Liu Xi

Speed Profile Optimization for High-speed Maglev Trains Considering the Constraint of Auxiliary Stopping Area, pp.5792-5797 Yiwei Liu,Weifeng Zhong,Hongze Xu

Robust Control of Feeding Speed in Coal Seam Drilling Process Considering Borehole Friction, pp.5798-5803 Xiao Liu, Luefeng Chen, Chengda Lu, Haipeng Fan, Min Wu ,Witold Pedrycz

Three-dimensional reconstruction of potato plants based on improved neural radiation field theory, pp.5804-5808 Shunkang Ling, Nianyi Wang, Laiyi Fu

A Video Surveillance System Based on Single-Mode Fiber for Energy and Signal Co-Transmission, pp.5809-5812 Yuanle Su,Xueliang Gu,Zhiguo Zhang,Xu Wang,Haoyu Wu,Jialin Wei,Xiangning Song

Online Continual Learning based Real-Time Dynamic Digital Twin Model in Industrial Systems, pp.5813-5817 Ziheng Jia,Changbin Tian,Xin Ma,Bo Peng,Xiangxue Ma

CBLN: A User Behavior Prediction Model Considering Content Correlation, pp.5818-5823 Yayin Deng, Xiaobo Liu, Lianyi He, Yongcheng Peng, Qizheng Yu, Shoucong Wang

Pre-trained Language Model - Based Real-time Formation Lithology Identification Method for Drilling Process, pp.5824-5829 Jianyang Liu, Chao Gan, Weihua Cao

Integrated Prediction of Unfavorable Geology in Main Tunnel Considering the Geological Conditions of Parallel Tunnel, pp.5830-5835 Meng Zhang, Chao Gan, Weihua Cao

Research on parameter optimization of levitation controller for fast maglev train , pp.5836-5840 Pengfei Song

AFPN based YOLOX for Rotation Object Detection in Remote Sensing Image, pp.5841-5846 Wen Zhou, Xiaobo Liu, Yiting Zheng, Dongseng Zhang, Hongbo Xiang

Apply the sliding mode controller to the generator-side converter of the permanent magnet synchronous wind power system, pp.5847-5852 Sui Pan

Distributed Control of Vehicle Platoon With Input Saturation Under DoS Attacks, pp.5853-5858 Jionghao Gong,Longwang Huang,Yongfu Li An Improved A* Algorithm for Ocean-Going Vessels to Avoid Dynamic Time-Varying Obstacle Areas, pp.5859-5864 Yijian Zhao, Gaolei Li

Towards Adaptive Cybersecurity: Implementing FedIDFR in Kubernetes for Enhanced Protection, pp.5865-5870 Yuqiang Chi,Jingxin Mao,Zhiwei Wei,Bing Li,Rongqing Zhang

Trajectory Planning for Unmanned Surface Vessels in Confined Waters, pp.5871-5876 Yinxiao Zhan, Jiayu Fan, Tong Guan, Jun Liang

Event-Triggered State Estimation for USV System with Correlated Noises and Packet Losses, pp.5877-5882 Ben Niu,Yingjin Huang,Chuyi Lin,Tianwei Zhou

Large-Scale EV Charging using Genetic Algorithm with Greedy Constraint Repair Mechanism, pp.5883-5889 Shuhua Gao,Ruipeng Cui,Zhengfang Wang,Yong Liu,Renfeng Yue,Jing Wang

Visual SLAM Loop Closure Detection Algorithm Based on LightGlue, pp.5890-5895 Lili Zhang,Ming Xu,Guangzhong Tian,Hongyu Ma,Wenxiang Wu,Longhua Ma

Design of a Nested Observer for Composite Disturbances Based on Characteristic Extraction, pp.5896-5901 Xudong Gao ,Xinyu Wen,Yaling Dong,Zhihao Wang

Cross-dimensional Principal Component Analysis--A New Dimensionality Reduction Method, pp.5902-5908 Naqi Fan,Lijun Zhang,Ran Liu

An improved A algorithm for 3D path planning of unmanned aerial vehicle*, pp.5909-5913 Xu Ma,Fangkun Zhang,Baoming Shan

Accurate Identification and Localisation of Transmission Lines under Complex Lighting for Distribution Network Power Supply Operation Robots, pp.5914-5919 Tianhe Liu,Xin Chen,Chenyu Hu,Xu Jian,Shengzu Li,Gang Wang

Non-Cooperative Game-Oriented Optimal Prescribed Performance Control for Underactuated Mechanical Systems with Asymmetric Constraints, pp.5920-5925 Lian Liu,Cui Wei,Dengfeng Zhang,Ye-Hwa Chen,Yanling Wei

State-Feedback Stabilization of Output-Constrained High-Order Nonlinear Feedforward Systems, pp.5926-5930 You Wu

Automatic UAV Inspection of Hydropower Station Diversion Pipelines Using Robust Cylinder-like Fitting for Incomplete Point Clouds, pp.5931-5937 Quanxi Zhan,Junrui Zhang,Chenyang Sun,Fenghe Guo,Xinyi Zhao,Chen Gao,Linchuan Yang,Runjie Shen,Bin He

Unsupervised cigarette packaging defect detection method based on multi-scale feature matching, pp.5938-5943 Wangda Lu,Erqiang Zhang,Nan Li,Jiakang Li,Jinsong Du,Xiaogang Zhang

Tackling the Challenge of Small Sample Size: Effective Training by Integrating SNN and GNN, pp.5944-5947 lishanshan, Chaolujing

Design and kinematics analysis of an index finger exoskeleton with elastic actuator, pp.5948-5952 Zhao' ang Chen, Tingting Su, Guotao Li, Xu Liang, Shengda Liu, Wendong Xiao, Shoulie Xie, Jie Zhang, Guangping He

Design of Time-varying Compound Control System for Hypersonic Vehicle, pp.5953-5958 Huan Wang

A traffic signal control method based on improved deep reinforcement learning, pp.5959-5964 Bao-Lin,Chen Dong,Wu Peng,Wu Weimin,Lingxi Li,Chen Bin

Research on Thrust Characteristics and Optimization of Thrust Ripple of Coreless Superconducting Linear Synchronous Motor, pp.5965-

Mingxin Liu, Qiang Chen, Yiqiu Tan, Shijie Gu, Peiran Sun, Jie Li

UAV Trajectory Planning for Wireless Data Acquisition: A Bernstein-Polynomial Approach, pp.5969-5974 Yuting Kong, Jingjun Yang, Hao Xu, Zhihao Xue, Yibo Wang, Rongrong Qian

Ballistic Characteristics and Control Authority of a High-Spin Projectile with Tail Control Mechanism, pp.5975-5980 Xinyu Liang

Siamese Neural Network-based Quality-Related Abnormality Detection for Sintering Process, pp.5981-5986 Weiwei Fan,Shiqi Li,Chao Jia,Jiatao Xiong,Hanwen Zhang,Haifeng Zhang

Integrating Wavelet Reconstruction with Hybrid TCN-LSTM Model for Enhanced Fault Diagnosis in Distributed Photovoltaic System, pp.5987-5992 Xiangqi Ma,Tao Yan,Bin Wang,Yanxiang Feng

Carbon-NeuGC: Neural Granger Causality Based Attribution Analysis of Power System Carbon Intensity, pp.5993-5998 Chao Shen, Fengzhou Sun, Hao Chen, Yi Lin, Chuangxin Guo, Mingyang Sun

Link prediction by a node pair similarity based method with unknown number of missing links, pp.5999-6005 Xuecheng Yu,Xiaobin Pang,Tianguang Chu

Anti-Swing Control for Quadrotor with Slung Load Using Integral Backstepping Sliding Mode Controller and Extended State Observer, pp.6006-6011 Jiahui Wang,Jing Chu,Xinyu Liu

Enhanced fault characteristics information based canonical variate analysis for detecting the AHU's faults, pp.6012-6017 Yuyu Zhang,Hanyuan Zhang*,Qichao Yan,Hao Zhao A Parallelized Framework for Human Action Recognition and Prediction Based on Graph Neural Networks, pp.6018-6023 Hongshan Chang,Liang Liang,Xu Li,Shubao Wang,Xingang Pan,Jian Hu

Adaptive Integral Sliding Mode Control With Gaussian Processes for AUVs, pp.6024-6029 Yongxu He,Yuxin Zhao,Geng Xu

Secrecy Rate Based Beamforming Optimization Strategy in IRS-assisted Multiuser CR-SWIPT MIMO System, pp.6030-6034 Shuo Yang,Xiaorong Xu,Jianrong Bao

Time-varying Distributed Neurodynamic Algorithm to Fixed-time Economic Dispatch with Event-triggered Communication over Directed Graphs, pp.6035-6040 Shan Jiang,Yanli Zou,Xingxing Ju

Estimation of Lithium-ion Batteries State of SOC Based on Borges Difference Structural Adaptive Gated Recurrent Unit Networks, pp.6041-6046 Xue Gao,Zhe Gao,Yuhang Wang,Baituan Zhou

Strict Lyapunov Functions for Time-Optimal Sliding Mode Control Algorithm, pp.6047-6051 Ruiyang Zhang,Zhiqiang Long,Yunde Xie,Hehong Zhang,Gaoxi Xiao,Chao Zhai

Trajectory Planning Towards Water-Air Trans-Media Motion for Robotic Dolphin, pp.6052-6057 Yan Xiong,Pengfei Zhang,Di Chen,Junzhi Yu

Motor Imagery EEG Decoding Based on Multi-branch Separable Temporal Convolutional Network, pp.6058-6063 Zhenyuan Yu,Dianguo Cao,Baosen Han,Pengfei Zhou

POPL -VIO: A Novel Pose -Only Measurement Model for Point -Line-based Visual Inertial Odometry, pp.6064-6069 Zhaolong Yang, Shuwen Chen, Hai Zhang

CoFMD-BiLSTM: A Wind and Photovoltaic Power Prediction Method Based on Feature Mode Decomposition and Cooperative Learning Strategy, pp.6070-6075 Xinzhi Ding,Dayi Li,Wei Huang,Yiping Chen

Efcient Multi-Objective Evolutionary Algorithms for Railway Train Platforming Rescheduling Under Arrival Delays, pp.6076-6082 Shuxin Ding, Tao Zhang, Zhiming Yuan, Yanhao Sun, Qingyun Fu, Ping Hu

A Knowledge-and-Data-Driven Modeling Approach for Mobile Payment Mode Recognition, pp.6083-6087 Li-Na Zhang,Xing-Rong Fan,Yu-Bu Zhang

Identification and decoding technology of EEG under complex visual stimuli Using clustering ensemble, pp.6088-6092 Song Xu,Zhenfei Liu,Lina Wang

SAR image classification based on spiking neural network with different coding methods, pp.6093-6097 Zhenfei Liu,Lina Wang,Song Xu,Jingyuan Wang

SDSLP-YOLO: An end-to-end model for simultaneously detecting strawberry and locating picking point, pp.6098-6103 Xueyi Du,Wenhui Huang,Huasong Min

Pixel voting network-based monocular pose estimation for space non-cooperative targets, pp.6104-6109 Yijie Zhang, Jiongqi Wang, Bowen Hou, Bin Yi, Haiyin Zhou, Xuanying Zhou

Imitation Learning Based Manipulator Skill Training for Home Environment, pp.6110-6115 Zhijun Cao,Yan He

Asymptotic observers for nonlinear feedforward systems, pp.6116-6119 Yunyan Li

Motor Fault Diagnosis Under Complex Working Conditions Based on Signal Fusion and CA-CNN, pp.6120-6125 Mingxuan Cai,Qi Liu,Yuxiang Liu,Bo Yang

Capacity Maximization Based Multi-resource Assignment for IRS-assisted Cognitive SWIPT with Nonlinear Energy Harvesting, pp.6126-

Xiaorong Xu, Weile Zhang, Chenyu Zhang, Jianrong Bao

Prescribed Performance Output Feedback Nonlinear Robust Control for Electro-Hydraulic Servo Systems Based on Extended State Observer, pp.6131-6136 Mingye Xing,Yuefei Wu,Tianran Li

Indoor Temperature Field Modeling Based on Neural Network without Real Data, pp.6137-6142 Chen Zhang,Wei Peng,Gang Jing

Cabin Temperature and Humidity Comfort Control for Electric Vehicles in High Temperature and Humidity Environment, pp.6143-6148 Wu Qianqian,Ma Baolin,Guo Lulu

Mapping of Pipeline Networks Using ROS and Inertial Navigation Technology, pp.6149-6153 Shuangye Chen

Hierarchical PDDL Task Planning and Transfer for Home Service Robots, pp.6154-6159 Tianchen Ma,Yan He

Inverse Dynamic Control of Discrete-time Latent Dynamic Systems, pp.6160-6165 Congxi Zhang, Yongchun Xie

Research on UAV path planning based on Particle Swarm Op-timization and Soft Actor-Critic, pp.6166-6171 Jionghui Chen,Lisang Liu,youyuan zhang,Wenwei Chen,Liwei Zhang, Zhihui Lin

A time-window scheduling method for green logistics vehicles in the V2X environment, pp.6172-6177 Zhiwei Zhu,Rui Zheng, Xinli Leng,Qiang Wang,Chenglong Zhang,Xuekun Meng

Event-triggered Controller Design of a Pneumatic Muscle Joint System with Dead-zone Input, pp.6178-6183 Dong Guo, Jianping Cai, Feng Qian, Qiyao Yang, Qiuzhen Yan

Active disturbance rejection control of dense medium separation process based on improved PI-GPC, pp.6184-6189 Xiaoyao Zhao

Short-term Storm Surge Prediction based on Variational Mode Decomposition and Temporal Convolutional Network, pp.6190-6195 Dibo Dong,Chao Lin, Qiaoying Guo, Shangwei Wang,Xurui Li,Yiting Ding

Collision avoidance path planning method combining improved DWA and A algorithms in complex sea environments*, pp.6196-6201 Liqiang Liu,Min Sun,Zhenxing Zhang,Enjiao Zhao

Aerodynamic Modeling and Aerodynamic Parameter Identification for High-Speed Aircraft, pp.6202-6207 Yuke Hu,Ze Yu,Yuyang He,Hao Zhang,Linhai Jiang,Haichuan Yang,Ziquan Yu

Nussbaum-Based Adaptive Neural Fractional-Order Sliding-Mode Fault-Tolerant Control of Unmanned Aerial Vehicles, pp.6208-6213 Huimin Zou,Yueyang Hua,Ruifeng Zhou,Haichuan Yang,Ziquan Yu

Kinodynamic and spatio-temporal deformation path planning for UAVs, pp.6214-6219 Fujing Cao,Zhaowen Xu

Design of An Integrated Detection and Monitoring System for Confined Space Operations, pp.6220-6225 Zhaoli Liu,Hongwei Jiang,Kai Zou,Zhiguo Liu,Pengfei Zhang

The Multi-UAV Path Planning for the Power Transmission Line Inspection, pp.6226-6231 Xiaolin Liu,Qingzhou Zhao,Zixuan Zhu,Kejiang Xing,Baoli Han,Yu Zheng

A Hybrid Migratory Bird Optimization Algorithm for solving the Large-Scale Flow Shop Scheduling Problem, pp.6232-6237 Zonglin Yang, Shaoyuan Li, Xiaohong Yin

An Experience Replay Approach Based on SSIM to Solve the Sparse Reward Problem in Pursuit Evasion Game, pp.6238-6243 Lele Xi, Hongkun Wang, Zhijie Li, Changchun Hua

Research on Flexible Job Shop Scheduling Based on an Improved Dung Beetle Optimization Algorithm, pp.6244-6249 Wentao Song,Xiaohong Yin,Sihong Li,Wentao Liu,Kaili Yin

Reinforcement Learning for Improved Alignment in Radiology Reports Generation, pp.6250-6255 Yongqi Shao,Renxin Xu,Cong Tan,Gaofeng Liu,Tao Fang,Hong Huo

DC-Link Voltage Control of Voltage Source Converters via a Fully Actuated System Approach, pp.6256-6260 Cheng Fu,Zicheng Zhang,Le Chang,Guanguan Zhang,Xiaoling Wang

An Improved Sparrow Search Algorithm for Solving the Flexible Job Shop Scheduling Problem, pp.6261-6266 Zengguang Dong,Shaoyuan Li,Xiaohong Yin

Fabric defect image generation based on improved CycleGAN, pp.6267-6272 Chen Kefeng,Ren Jia,Zou Hongrui

Inverse Hysteresis Compensation and Quasi-Sliding Mode Control of Micro-hand System, pp.6273-6277 Wenhao Wu,Ni Bu,Jiaqi Zhao

Predictive Cruise Control with Velocity Profile Online Optimization for Energy Efficiency, pp.6278-6283 Kai Sun,Mengge Sun,Fanyuan Chu,Lulu Guo,Jinlong Hong,Bingzhao Gao

Improved Antiskid Braking Control Algorithm and System Design for Unmanned Aerial Vehicle, pp.6284-6289 Shuo Jiang,Pengcheng Mao,Junzheng Wang,Qingli Zhang

4D-CRNN model of EEG motor imagery with attention module, pp.6290-6295 Wei Wang,Hao Meng,Guozhong Liu

A new practical arbitrary-time controller for a class of uncertain nonlinear systems, pp.6296-6301 Zhihui Du,Yunjie Yang,Jihong Zhu,Zhidan Liu

Research on Motor Control of Steer-by-wire for Intelligent Vehicles based on Flood-PID Algorithm, pp.6302-6306 Renfei Feng,Qingyong Zhang,Zhihui Yang,Yuepeng Chen

Robust Tracking Control for Uncertain Micro-hand Actuator with Dead-zone and Hysteresis , pp.6307-6312 Jiaqi Zhao,Ni Bu,Wenhao Wu

QVT-based SysML v2 Model Version Difference Transformation, pp.6313-6318 Chen Zhou,Ling Li,Qiang Ren,Zixin Mu,Bing Yu,Baoran An

Soft Variable Structure Controller Design for Descriptor Delta Operator Sampled Systems, pp.6319-6324 Bingxu Wang,Yunlong Liu,Yanru Zhang,Zhimeng Yao

Multi-Agent Reinforcement Learning with Region Division and Leader-Follower Communication, pp.6325-6330 Chao Wang,Xiang Xu

HT-HAN: Hypergraph Attention Network Based on Hypergraph Transformation for Edge Classification, pp.6331-6335 YuQunWang,QianLi,LibinChen,HongfuLiu

An Improved Prescribed-Time Privacy-Preserving Average Consensus Algorithm for First-Order Multi-Agent Systems, pp.6336-6341 Bowen Chen, Jiangfeng Yue, Mengji Shi, Weihao Li, Boxian Lin, Kaiyu Qin, Linggong Zhao Robust Subband Adaptive Filtering Algorithm Based on Fair Estimator, pp.6342-6347 Chenggang Li,Xiaohong Yin,Kaili Yin,Shaoyuan Li

Bi-level Optimization Configuration of Integrated Energy Systems for Combined Cooling, Heating, and Power Based on Shared Energy Storage Aggregators, pp.6348-6353 Lianheng Zhang, Sining Hu, Jiachuan Shi

Privacy-Preserving in Data Aggregation for Smart Grid:A Comprehensive Review, pp.6354-6360 Peng Tian,Chongbiao Zhang,Song Deng

Physics–informed neural networks for RUL prediction, pp.6361-6366 Qing Zhu, Yucong Shi, Yun Feng, Yaonan Wang

Pseudo-Augmentation Entropy Domain Adaptation for Video Unsupervised Action Recognition, pp.6367-6372 Zhi Chen,Haibin Huang,Yufei Zhuang,Shuhua Liu,Zhetao Zhong,Hao Shu

T-S Fuzzy Fault-Tolerant Control of UAV System Based on Dynamic Memory Event-Triggering Scheme, pp.6373-6378 Menghua Chen, Miao Lou, Shuting Wang

SE-TDM: Squeeze-Excitation and Time Differencing Model for Precise Gesture Recognition through Spatio-Temporal Fusion of sEMG and IMU Signals, pp.6379-6384 Yunjie Zuo,Ge Gao,Yunfei Liu,Xu Zhang

MMD-DCGAN: A Robust Approach for Missing Data Imputation in Manufacturing Processes, pp.6385-6390 Yuan Mukun,Yu Guangping,Liu Jian,Chen Zheyuan,Yuan Mingzhe,Li Jian

A Review of Bionic Robotic Flying Fish: Innovations in Cross-Medium Locomotion, pp.6391-6397 Lingchang Meng, Haipeng Li

Distributed Collaboration and Obstacle Avoidance Control of Multiple Omnidirectional Mobile Manipulator Assisted with Neural Networks, pp.6398-6403 Tang shijun,Hu Yunfeng,Xiao Xingtian,Zhang zhishuo

Reinforcement learning-based dynamics control of biped reconfigurable robots for standing balancing tasks, pp.6404-6409 Qiang Pan,Yuan Yao,Yuanchun Li ,Tianjiao An ,Bo Dong,Bing Ma

DGL-YOLOv8 A Lightweight Yarn Detection Algorithm, pp.6410-6414 Shangjie Li,Ren Jia,Jiachao Dai

Balance control of unmanned motorcycle without self-balancing auxiliary device based on LADRC, pp.6415-6420 Qiyu Guan,Yulong Yan,Benyan Huo,Yanhong Liu

A Novel Two-stage Robot Grasping Detection Method, pp.6421-6426 Qin Wan,Shunxing Ning,Haoran Tan,Pin Xu,Pengfei Pang

Asymptotically time-optimal smooth trajectory planning in dynamic environments, pp.6427-6432 Hang Zhou, Tao Meng, Shujian Sun

Physics-Informed Neural Networks for Learning Allen-Cahn Equation Using Hard Constraint Representation, pp.6433-6438 Pengyu Chen, Benben Jiang

Knowledge Distillation framework of pre-trained language model combined with Parameter Efficient Fine-Tuning, pp.6439-6443 Rui Chen,Yixin Su,Hongchang Jing,Zhongcai Cao,Shiwei Zhou,Ji Jiang

A Robust Non-cooperative Control Approach for Human-machine Shared Driving, pp.6444-6449 Qingan Hong, Jie Huang, Yutao Chen

Fixed-time sliding mode control of QUAV attitude system based on disturbance observer, pp.6450-6455 Yunjie Gao, Yingjiang Zhou, Guoping Jiang, Ming Lu, Zhihao Fan

Phase angle measurement system for energy meter composed of multiple single-phase measuring chips, pp.6456-6461 Qiangpeng Chen, Xiao-Yu Tang, Xiaolu Liu, Wenzhong Hu

Zero-Shot Anomaly Detection in Medical Images Using Conditional Denoising Diffusion Models and Data Augmentation, pp.6462-6467 Yabin Liu,Yan Zhang,Wanhong Zhang

Design and Verification of Reactor-Following-Load Coordinated Control Strategy for Modular High Temperature Gas-cooled Reactor, pp.6468-6473 Xuan Lin,Zhe Dong,Fan Chen

ISDA-QBAS net: a novel CNN optimization and data enhancement model for pneumonia diagnosis, pp.6474-6479 Likang Yi,Wenxin Cai,Dechao Chen

A new fault diagnosis approach for the air handling unit under the imbalanced data environment, pp.6480-6485 GuangYao Gao,Yu Fu,Hanyuan Zhang

Pose Measurement and TCF Calibration for Automatic Cabin Docking, pp.6486-6491 Jun Hou,Shiyu Xing,Yunkai Ma,Fengshui Jing

An Efficient Inductive Learning Model for Inferring Gene Regulatory Networks, pp.6492-6497 Kaixuan Wu,Yan Zhang,Wanhong Zhang

Differentially Private Synthesis for Cooperative Output Regulation of Discrete-Time Linear Multi-Agent Systems, pp.6498-6503 Zhijie Shi, Youfeng Su

Diagnosis of Occupational Pneumoconiosis Based on Adaptive Feature Fusion and Multi-class Loss Function, pp.6504-6509 Qian Zhao, Yinan Guo, Dunwei Gong

SLAM Mapping based on Visual Semantics and Laser Fusion, pp.6510-6515 Ming Zhang, Meng Li, LuJian Xu, Kun Zhao

Cascaded ESO and BLF based multi-task priority controller for redundant robots with null space compliance, pp.6516-6521 Kun Fan,Zhenlong Wu,Yanhong Liu,Hongnian Yu

Tightly-coupled SLAM Algorithm Based on LiDAR-inertial-visual Fusion, pp.6522-6527 Weilai Jiang,Feng Tu,Bo Chen,Yaonan Wang

Observer-based adaptive exponential tracking of port-Hamiltonian systems via contraction method, pp.6528-6533 Huimin Zhi, Yanhong Liu, Benyan Huo, Hongnian Yu

Deep Learning-based Method for Detecting Defects under Urban Utility Tunnels, pp.6534-6539 Song Wenbin,Sun Weihao,Shitong Hou,Wang Shuai

Cooperative Optimal Operation of Multi-microgrids Based on Two-staged Robustness, pp.6540-6545 Min Yu, Mengting Liao, Maochun Du, Ao Chen

Global path planning for amphibious robots based on improved Q-learning, pp.6546-6551 WeiLai Jiang,Bo Chen,Feng Tu,YaoNan Wang

Chattering-Free Sliding Mode Control Based Sampled-Data Consensus for Heterogeneous Multi-Agent Systems with Disturbances, pp.6552-6557 Te Sun,Hanwen Xu,Wencheng Zou,Ji Zou

Nonlinear wave equation-based PD control for course deployment of unmanned surface vehicles, pp.6558-6563 Xiushun Chen, Jiaqi Zhong, Jiajia Tan

Analyzing the Correlation between Student Learning Behaviors and Academic Performance in Blended Learning Environments, pp.6564-6569

Ying Zhang,Kang Chen,Zhezhuang Xu,Ye Lin,Qingbo Zeng

Pointer Meter Reading under Noise Based on Virtual Data Generation, pp.6570-6574 Jinyang Zhu,Zhezhuang Xu,Ye Lin

Motion Control for Hydraulic Steel Grab Excavator Based on Contour Compensation, pp.6575-6580 Weijie Jiang, Hongpeng Yin, Jiajun Chen

Delta Operator Sliding Mode Speed Control of Permanent Magnet Synchronous Motor, pp.6581-6586 Zhimeng Yao,Yunlong Liu,Na Ding,Bingxu Wang

An oversampling fault detection method for unbalanced industrial process data based on improved SVM, pp.6587-6592 Yanzeng Liu, Jianyong Tuo, Youqing Wang, Chenyang Li

LLM-Augmented Deep Reinforcement Learning For Complex Task Planning, pp.6593-6598 Wentao Du,Haoming Wang,Ziming Hao,Changyu Wang,Zhongmin Cai,Yunpeng Song

Data-Driven Economic Predictive Control for Coordinated Control System of Coal-fired Units, pp.6599-6604 Qiangqiang Zhao,Xinyu Zhang,Zhongyang Han,Jun Zhao,Wei Wang

Heat Transfer Coefficient Estimation of Shell-Tube Heat Exchanger Using Recursive Least Squares Method, pp.6605-6609 Zhonghua Cheng, Zhe Dong, Junyi Li, Yunlong Zhu

Distributed Event-Triggered Resilient Control of Multigent Systems With Scaling Denial-of-Service Attacks, pp.6610-6615 Haixin Ma,Yukun Shi,Youqing Wang

Prescribed-Time Bipartite Consensus of High-order Multi-Agent Systems based on Barrier Lyapunov Function, pp.6616-6620 Shaojun Zhou,Yingjiang Zhou,Yu Wang,Yuanzheng Wei,Ming Lu

Optimization Scheduling of Virtual Power Plants with Electric Vehicles Based on Moth-flame Optimization Algorithm, pp.6621-6626 Jianyu Zhou, Jiachuan Shi, Lianheng Zhang, Sining Hu, Liu Hao

Event-Triggered Self-Organizing T-S Fuzzy Neural Network Controller for Furnace Temperature in Municipal Solid Waste Incineration Process, pp.6627-6632 Xichao Fang,Xi Meng,Junfei Qiao

Alchao Fang, Al Meng, Juniel Qiao

Experimental Comparsion between NeRFs and 3D Gaussian Splatting for Underwater 3D Reconstruction, pp.6633-6638 Wen Yang, Yongliang Lin, Chun Her Lim, Zewen Tao, Jianxing Leng

A Joint Prediction Method of Multi-Agent to Reduce Collision Rate, pp.6639-6644 Mingyi Wang,Hongqun Zou,Yifan Liu,You Wang,Guang Li

Transition Flight Control of the Distributed Propulsion Tilt-rotor Aircraft, pp.6645-6650 Yunjie Yang,Jinlai Deng,Wenan Liao,Zhihui Du,Zhidan Liu,Jihong Zhu

Path Planning Based on Improved A * Algorithm , pp.6651-6655 Kai Liu, Qinjun Zhao, Changjun Xiao, Jin Zhao

Language Reasoning in Vision-Language-Action Model for Robotic Grasping, pp.6656-6661 Lingling Fan,Kang Chen,Zhezhuang Xu,Meng Yuan,Ping Huang,Weibing Huang

Interference Suppression for Geomagnetic Sensors Based on Empirical Modal Decomposition and Feature Clustering, pp.6662-6667 Songnan Yang,Xiaohui Zhang,Yirong Lan,Xingming Li,Wenqi Bai,Haoxuan Tang *Short-term load forecasting for buildings based on dynamic weighted edRVFL model*, pp.6668-6673 Junwei Xie,Meng yuan,Zhezhuang Xu,Chi Liu,Yuxiong Xia

Multi-stage Optimal Service Matching Framework for the Logistic Service Combination Problem with Spatio-temporal Constraints, pp.6674-6681 Tian Ran,Chang Longlong,Lian Jitong

Transformer-Based Sequence Modeling with Action Discretization for Robotic Grasping, pp.6682-6686 Yaokun Hou,Song Zheng,Zhezhuang Xu,Meng Yuan,Ping Huang,Weibing Huang

Analysis on Orbit Defense and Control Strategy of USA Advanced Extremely High Frequency (AEHF) Satellite System, pp.6687-6692 Xinglong Wang,Ran Wang,Yuzhong Zhao

Demagnetization Prediction Method of Permanent Magnet Synchronous Motor Based on Digital TwinModel, pp.6693-6698 Zheng Zhang

A New Initial Alignment Algorithm Without Latitude For SINS On In-motion Condition, pp.6699-6704 Xiaoying Jiang, Jiaxiang Li,Chengyi Liao, Yue Lian

Data-driven Speed Control for Permanent Magnet DC Motors of Sewing Machines, pp.6705-6710 Feifei Dai,Huarong Zhao,Yutong Chen,Li Peng

Robust Path Planning for Quadruped Robots in Dynamic and Challenging Environment, pp.6711-6715 Shizong Zhang, Zhenning Li, Wentao Ding, Xiuye Wang, Qinqin Sun

A UUV Traversal and Obstacle Avoidance Search Algorithm Based on Adaptive Ocean Current Direction, pp.6716-6719 Linlin Wang,Xuepu Li,Yazhen Du,Shuangning Yu,Jun Li

Three-Dimensional Cooperative Guidance Against Aerial Target for Unpowered Glide Vehicle, pp.6720-6725 Bocun Li,Ling Li,Huaming Zhang,Yichuan Zhu

Attention-based variational encoding regression method for predicting turbofan engine remaining useful life, pp.6726-6731 Chang Yang,Bi Xiaoyang,Hou Dongming,Yuran Luo

SAM-assisted 3D Reconstruction: A Novel Framework for Unseen Object Modeling in Unknown Environments, pp.6732-6737 Hongqiang Qu,Ying Zhang,Cui-Hua Zhang,Ming Huang,Changchun Hua

Wood Surface Discoloration Defect Detection Based on Improved HRNet, pp.6738-6742 Haoran Zhang,Zhezhuang Xu,Yuhang Zhu,Ye Lin

A Fault Diagnosis Method for Rolling Bearings Based on Improved Snake Swarm Optimization and Support Vector Machine, pp.6743-6747

Siyu Chen, Xiaopeng Chang, Xiyu Zhang, Bangcheng Zhang, Zhi Gao

Optimizing Autonomous Navigation scheme for Smart Vehicle Platform, pp.6748-6753 Xiqing Min,Wenchao Zheng,Yuexiu Xing,Shanshan Cao,Wei Ben,Xiaoming Tang

Joint Optimization of Energy Consumption and Truck Transfer by Stack Allocation in Steel Warehouses, pp.6754-6759 Hongwei Wang,Zhezhuang Xu,Jinlong Wang,Boyu Chen,Qingdong Zhang,Xiuren Wu,Yuxiong Xia

Semi-supervised learning with GAN for Semantic Segmentation of Wood Defect image, pp.6760-6764 Kunxin Zheng,Song Zheng,Zhezhuang Xu,Ye Lin,Yuhang Zhu

Distributed Stochastic Averaging Gradient Algorithm Over Directed Graph, pp.6765-6770 Jiahong Zhao, Wenhua Gao

KPNDepth: Depth Estimation of Lane Images under Complex Rainy Environment, pp.6771-6776 Zhengxu Shi,Xiwei Liu

Advanced Hierarchical Missile Guidance Strategies Based on Temporal Forecasting and Deep Reinforcement Learning, pp.6777-6783 Zetian HU,Xuefeng LIANG,Jun ZHANG,Xiaochuan YOU,Chengcheng MA

Hybrid-Based Relightable 3D-Aware Generative Model, pp.6784-6789 Yiran Li,Xueqian Wang,Wensen Feng

Event-Triggered Observer-Based Adaptive Fuzzy Control of Uncertain Multi-agent Systems, pp.6790-6795 Konghao Xie,Xiujuan Zhao

Design of nonlinear global nite-time observers with high gain technique, pp.6796-6800 Yunyan Li

Wheelchair Tai Chi Teaching System Based on Real-Time Vision Motion Capture, pp.6801-6805 Fan Li,Wanghui Bu,Jianwen Zhang

Model Predictive Control for Trajectory Tracking of the Spherical Robot Based on the Koopman Theory, pp.6806-6811 Xiaoqing Guan,Pengyang Fu,Junjie An,Xiaomeng Kang,You Wang,Guang Li

Judgment of Sound Source Location in Semi-enclosed Space Based on Sound Field Simulation, pp.6812-6817 Zhe Chen,Wanghui Bu,Zhaohe Wang

Nonlinearity Identification of Main Steam Control Valves in Thermal Power Plants Subject to Dynamic Behavior Variations, pp.6818-6822 Qiuying Wang, Xiaotong Xing, Jiandong Wang

Image Encryption Algorithm Based on Matrix Semi-tensor Product in DWT Domain, pp.6823-6828 Jinwei Yu,Junhai Zeng,Man Li,Wei Xie,Langwen Zhang,Yindong Lian Dynamic Event-triggered H∞ Sliding Mode Control for Multi-agent Systems Using a Dual Hidden Markov Model, pp.6829-6834 Ying Zheng, Huixia Cui, Junyi Wang

Building Intrinsically Interpretable Deep Neural Networks: A Survey, pp.6835-6842 Wenyan Zhang, Lianmeng Jiao, Quan Pan

A Method for Establishing a "Life-like Health Check Quantification System" Based on a Multi-task State GNC Subsystem with Identical Configuration, pp.6843-6846 Kun Xiang, Hongxing Zhang

Identification of Aerodynamic Coupling during Vertical Takeoff and Landing of Tilt-rotor Aircraft, pp.6847-6852 Wenan Liao, Jihong Zhu, Yunjie Yang, Xiangyang Wang, Jinlai Deng, Xiaming Yuan

Robust Extended Kalman Filter for Nonlinear Singular System, pp.6853-6858 Kexin Mu, Chenjian Ran

Optimization of Cold Rolling Jobs under Time-of-Use Electricity Prices Based on Multi-Objective Genetic Algorithm and Power Prediction, pp.6859-6864

Hui Xiao, Wenshan Hu, Hong Zhou, Bo Wang, Guo-Ping Liu, Xinran Wen

A Subspace Gradient Descent Method for High-Dimensional Simulation-based Optimization, pp.6865-6869 Yuhang Zhu, Xiaoliang Lv, Qing-shan Jia, Xiaohong Guan

Multi-View Human Pose Estimation with Geometric Projection Loss, pp.6870-6875 Yipeng Huang, Jiachen Zhao, Geng Han, Jiaqi Zhu, Fang Deng

Multi-objective optimization method for crane scheduling in steelmaking workshop, pp.6876-6881 Jingxin Wang,Guoliang Lu

Dolphin 1 Ship Trajectory Prediction based on Ivy-multi-output Least Squares Support Vector Regression, pp.6882-6887 Lichao Jiang,Hai Fang,Xiaobing Shang,Zhi Zhang ,Weihan Li,Wenxu Zhu

Design of a Secure Industrial Data Interaction System Based on International Data Space and Optimized KP-ABE Algorithm, pp.6888-6893

Qingqing Huang, Xiaofeng Ouyang, Haiqin Xie, Fusen Wu

A Deep Nonnegative Matrix Factorization Approach for Industrial Fault Diagnosis, pp.6894-6899 Yanxia Li,Xuemin Tan,Jining Liu

Large Language Models as Few-Shot Defect Detectors for Additive Manufacturing, pp.6900-6905 Qihang Fang,Gang Xiong,Fang Wang,Zhen Shen,Xisong Dong,Fei-Yue Wang

On-orbit Inspection scheduling strategy with multi-arm based on hybrid NSGA-II and MOPSO algorithm, pp.6906-6911 Wang Yifan, Ren Yi, Li Tong, Zhao Zhikai, Yu Longchang

Spatio-temporal wind speed prediction model based on multi-scale fusion MambaFormer, pp.6912-6917 Ce Li, Huizhong Chen, Luan Liang, Guohua Liu, Chaoyue Li, Zhiqiang Feng

Low-light Image Enhancement Algorithm Based on Adaptive Feature Decomposition and Parallel Dual Extractor, pp.6918-6923 Ce Li, ChaoYue Li, Kai Wang, RuiLong Jiang, HuiZhong Chen, Li Mei Xiao

Research on Improving The Accuracy of Force Sensor Through Hole Array Design, pp.6924-6929 Bowen Liu, Hua Wang

Optimization of Crane Scheduling Time for Steel Plate Outbound Operations Based on Backtracking Algorithm, pp.6930-6935 Jiang Xiang,Zhezhuang Xu,Jinlong Wang,Boyu Chen,Qingdong Zhang,Xiuren Wu,Yuxiong Xia

A Bayesian Optimization Approach via Iteratively Least Squares for High-Dimensional Black-Box Systems' Design Space Exploration, pp.6936-6941 Mingyuan Hou,Qiaozhu Zhai,Xiaoliang Lv,Yuzhou Zhou,Xiaohong Guan

Cloud-Aware Fusion of Infrared and RGB Images for Aerial Target Detection, pp.6942-6949 Dong Cao, Lianmeng Jiao, Quan Pan

Research on High-Precision Thrust Control Methods for Vertical Short Takeoff and Landing Aircraft, pp.6950-6955 Zhidan Liu,Zhihui Du,Xiangyang Wang,Chenzhou Xu,Yunjie Yang,Jihong Zhu

Driver-centric Predictive Risk Map Modeling via Deep Reinforcement Learning, pp.6956-6961 Danni Chen, Chao Lu, Jianwei Gong

ESO-based Adaptive Neural Network Control for Quadrotors under Multiple Uncertainties, pp.6962-6967 Xinyue Zhang, Jiajun Shen, Wei Wang, Zhenqian Wang

Prefabricated Pizza Defect Detection Algorithm Based on CNN and Transformer, pp.6968-6973 Fenghao Sun,Qiuxia Qu

Hydroponic Cultivation Control System Based on Multi-Sensor Parameter Inputs, pp.6974-6979 Liang Tao, Haojie Ji, Yuan Cheng, Guolu Zhang, Ben Zhang

Predefined time attitude control for quadrotor UAV with output constraints and input saturation, pp.6980-6984 Shuo Li, Hailong Pei

Simplified Fast Image Inpainting Method, pp.6985-6990 Xiqing Min, Wenchao Zheng, Yuexiu Xing

Contrastive Clustering Learning for Few-shot Image Classification, pp.6991-6996 Li Wang, Wencang Zhao

A hierarchical energy sharing strategy for multi-communities with heterogeneous prosumers, pp.6997-7004 Yan Yang,Fan Chen,Mian Hu,Huaiyu Wu,Yang Chen

Adaptive Hybrid Vision and Force Control for Dual-Arm Robotic Assembly Tasks, pp.7005-7010 Jinzhuo Liang, Jianliang Mao, Chuanlin Zhang

Weakly Supervised Semantic Segmentation Network Based on Feature Decoupling and Pixel Aggregation, pp.7011-7016 Xiangfu Ding, Wencang Zhao

A GRU-based Automatic Weighting Factors Optimization Strategy for PMSM, pp.7017-7022 Jiaao Li,Zhuang Liu,Jie Jin,Xiaoning Shen,Jianhua Zhang

Human Intention Based Fuzzy Variable Admittance Control for a Walking Aid, pp.7023-7028 Xurui Liu,Shanhai Jin,Xianli Sun

Stackelberg game-based optimal scheduling strategy for multi-microgrid systems with electricity-heat shared energy storage, pp.7029-7036 Chao Peng,Decai Zhang,Mian Hu,Huaiyu Wu,Yang Chen

Dyna-OpenVINS: Dynamic Environment Visual-Inertial Odometry with Object Removal via Multi-Scale Semantic Segmentation, pp.7037-7042

Zixuan Wang, Zhiming Ping, Fuzhang Han, Wenjun Huang

Fast and Stable UAV Exploration with Incorporating Localization Uncertainty, pp.7043-7048 Song Jiao,Ran Huang,Jun Wang

Fixed-Time Output Feedback Consensus Control for High-Order Nonlinear Multiagent Systems, pp.7049-7054 Xiaoting Li,Xiaotong Cao,Dexin Jiao,Chen Wang,An-Min Zou

An Effective Model Predictive Control with Self-Optimizing Deep Belief Network, pp.7055-7058 Kaize Zhuang,Chonggang Wang,Gongming Wang

Model-free dynamic event-triggered load frequency control for multi-area interconnected power systems, pp.7059-7064 Yuhao Chen,Huarong Zhao,Feifei Dai,Yutong Chen,Li Peng

Nonlinear Estimation Using Optimized Extension based Multiple Conversion Approach with Generalized Conversion for Target Tracking, pp.7065-7070 Ruiqing Xi,Jian Lan,Le Zhang

Predictive maneuver for UAV air combat confrontation based on game theory, pp.7071-7077 Changdi Chen, Jian Yang, Yunlong Li, Liangpei Wang, Jiale Han

Seek-and-Take Games of Heterogeneous Agent Teams With Large Language Model, pp.7078-7084 Haolin Li,Peng Yi,Dixiao Wei,Wenyan Bai

Filtered iterative learning control of the time-delay flexible manipulator system with slowly varying tracking trajectory, pp.7085-7092 Jianxiang Zhang, Liangjun Yin

Finite-time Convergence Guidance Law with Impact Angle Constraint in Active Aircraft Defense, pp.7093-7098 Jinglei Ren, Changping Wang, Zhenya Wang, Feng Fang

Neural network-based funnel adaptive surge motion tracking control of autonomous underwater vehicle with unknown deadzone, pp.7099-7103 Liru Han,Qiuzhen Yan,Jianping Cai,Siyuan Li

Modeling Markov Decision Process Elements Leveraging Language Models for Offline Multi-Agent Reinforcement Learning, pp.7104-7109 Zhuohui Zhang,Bin He,Bin Cheng

D2VT: Better Detection and Description of Local Features with Vision Transformers, pp.7110-7115 Yifei Yang,Zihao Wang,Zhen Li,Fang Deng,Yidian Huang

Asymptotic sampling behavior for a class of nonlinear robot systems in multirate case, pp.7116-7120 Cheng Zeng,Nan Chi

A Trusted Multiview SAR Target Recognition Algorithm for Seaward Targets Based on Pseudo View Enhancement, pp.7121-7124 Shaoqi He,Liangang Xiao,Shibo Gao

Synchronous Control of H-type Linear Motor System via Super-Twisting Sliding Mode, pp.7125-7130 Jiawei Liu,Xiaolei Li,Feilong Tang,Qixin Kui,Miodrag D. Spasic

EDFFF: Ensemble Distillation Framework based on Fourier Features, pp.7131-7136 Qinghao Zhang, Wencang Zhao

Exploration of Key Variables that Trigger Intelligent Emergent Behavior in ICSoS, pp.7137-7142 Pinjie Li,Tao Xue,Huangang Wang,Tao Zhang

3D Guidance for Maneuvering Targets With Terminal Angle Constraints: An Incremental Nonsingular Terminal Sliding Mode Approach, pp.7143-7148 Haonan Song,Mingjia Zhu,Jiao-Yang Zhang,Bo Wang,Lei Liu,Huijin Fan

A Two-Layer Ensemble Deep Learning Model for Acoustic Seabed Sediment Classification, pp.7149-7154 Ting Zhao, Renfeng Jia, Shuo Yang, Yuxin Zhao, Tian Zhou, Xiong Deng

Research on Prediction of Track Irregularity in Maglev Transportation System Based on BP Network, pp.7155-7160 Wang Hao,Ding Mingqiang,Liu Peibing,Zhang Yongtao,Long Zhiqiang A Style-Pooling Vision Transformer for Underwater Object Classification Based on Audio-Visual Image Fusion, pp.7161-7166 Sai Zhou, Shanling Dong, Meiqin Liu

CVaR-based Thompson Sampling for Factored Multi-agent Multi-Armed Risk-aware Bandit, pp.7167-7172 Jiahong Li,Huiyu Tian

Event-triggered adaptive control of switched nonlinear cyber-physical systems, pp.7173-7178 Manman

Enhancing Multimodal Sentiment Analysis with Dynamic Weight Adjustment and Adversarial Training, pp.7179-7184 Yilin Zhu, Xiwei Liu

Enhancing the adaptive capability of fuzzy Petri net by an improved whale optimization algorithm, pp.7185-7190 Shao-Qiang Ye,AZLAN MOHD ZAIN,Yusliza Yusoff,Wen-Jie Ruan

Spatio-temporal Transformer Network for Ship Trajectory Prediction with Adaptive Channel Frequency Enhancement, pp.7191-7196 Minghui Chen, Chen Li, Tenfei Wang, Rui Wang, Yinghao Tian, Ruiyao Li

Adaptive Neural Network Algorithm with Reinforcement Learning, pp.7197-7202 Yiying Zhang

Stability of Probabilistic Boolean Networks, pp.7203-7207 Jinfeng Pan

Research on Formation Configuration Optimization Method for Cooperative Navigation of Multiple Flight Vehicles, pp.7208-7214 SUN Fengyan, YOU Taihua, WANG Huixia, HUANG Zhiwei, ZHANG Yingbin

Complex Mission Planning for UAVs: A Multiple Objective Hybrid Neighborhood Search Approach, pp.7215-7220 Ming Zhao,Han-Lin Pi,Jiao-Yang Zhang,Bo Wang,Lei Liu,Huijin Fan

Requirements of risk warning and abductive for power system operation based on renewable energy accommodation enhancement, pp.7221-7225 Jinhao Wang,Yan Li,Fujia Han,Jiateng Li,Ji Qiao,Hongmin Yao

Requirements of power grid situation cognition and resilience assessment in extreme scenarios, pp.7226-7230 Xiao Chang,Yan Li,Fujia Han,Jiateng Li,Ji Qiao,Hao Jiao

Adaptive Tracking of Uncertain Markovian Jump Nonlinear Systems With Random Actuator Faults, pp.7231-7237 Jiao-Yang Zhang,Huijin Fan,Lei Liu,Bo Wang

State Estimation for Distribution Network based on Graph Neural Network Method, pp.7238-7243 Naiwang GUO,Mo FENG,Yan LI,Ji QIAO,Yun SU,Rui LIU

A Model Predictive Control Approach With Limited-Time Termination for Virtually Coupled Train Set, pp.7244-7249 Liqun Fan,Xiaobin Pu,Qiusheng Liu,Xiaolin Luo,Qingdong Jia,Kaixuan Li,Kun Zhang,Hongjie Liu

Target-reaching control with obstacle avoidance based future perception SAC for unmanned bicycle, pp.7250-7255 Benyan Huo,Hongfei Tang,Long Yu,Shiyu Sha,Yanhong Liu

An Adaptive Line-of-Sight Guidance Law for Path Following of AUV, pp.7256-7260 Shaobo Fu,Jia Wang,Hao Zhang,Xiaoxin Zhou,Xiawei Guan

Leveraging the Digital Economy to Drive Rural Industrial Transformation A Case Study of County-Level Economies in Southern Shaanxi, pp.7261-7266 Ting Guo,Zongming Li

Adaptive Utility Multi-Objective Reinforcement Learning for Optimizing Batch-Fed Fermentation Processes, pp.7267-7272 Ziqi Yang, Dazi Li, Jinglin Zhou

Voltage Sag State Estimation based on Hybrid Neural Network using One Dimensional CNN and GRU, pp.7273-7276 Yaping Deng, Jia Hao, Lin Shaojie, Tong Xiangqian, Li Feng, Fan Jinli

Obstacle avoidance parking based on improved deep reinforcement learning SAC algorithm, pp.7277-7282 Ting Liu,Changhao Piao,Ping Liu,Kyunghi Chang,Mingjie Liu

Alarm Monitoring for Condensate System in Thermal Power Plants Based on Bayesian Estimation, pp.7283-7288 Hanzhang Cheng,Sheng Jiang,Sanqin Tan,Lei Gu,Zhonggai Zhao

Robust Output Voltage Tracking with Prescribed Performance for Single-Phase UPS Inverters, pp.7289-7294 Jialei Luo,Wei Liu

Decentralized Impulsive Control for Stochastic Systems Interconnected over Graphs, pp.7295-7300 Xiaojuan Xue, Qinyang Liu, Zhengtao Ding, Hongxiao Hu, Yongfei Wu

Robust Control on Coupling Effects of a Hovering Underwater Vehicle, pp.7301-7306 Yunfeng Xie,Xiaomin Wang,Xueying Chen,Rui Yang

From ByteTrack to MCMOT: A Study of Multi-Category-Multi-Objective Tracking Methods, pp.7307-7311 Sixu Chen,Xinlei Zhou,Gangjian Wang

A Configurable Architecture Design for Autonomous Flight Software, pp.7312-7316 Jianhua Wang,Haixin Yu,Zhida Ma,Jingsong Li,Chuan Li,Tonglei Wang

Extracting and Predicting of Industrial Quality Knowledge with Relation Attention Networks, pp.7317-7322 Xinyu Yang,Xiaoying Zhang,Jinyan Liao,Dawei Zhang,Yong Chen,Longjie Zhang

Based on AHP Evaluation Model and Neural Network Backbone to Achieve Specialized and Integrated Talent Training, pp.7323-7328 Xiaoyu Chen, Xiangli Dong, Xiuming Yue, Li Shi

Personalized Glycemic Control Program for Patients with Type I Diabetes Mellitus, pp.7329-7333 Ying Zhou, Rui Zhuo Song, Qing Lai Wei

A polynomial approximation algorithm for the adaptive control of high-speed train, pp.7334-7338 Kaixiang Wang,Xiaohong Yin,Xue Lin

A Multimodel Breast Cancer Diagnosis Approach Based on EfficientNet and Hybrid Feature Selection, pp.7339-7343 Wenbin Liu,Hong Mo,Shili Zhao,Min Zhou

Seismic monitoring: a high-precision and versatile seismic signal recorder, pp.7344-7351 Yuru Geng,Shiyong Huang,Jie Jiang

Seismic monitoring: A seismic alarm system based on a configurable small isolated input/output digital logic array model, pp.7352-7358 Yuru Geng, Shiyong Huang, Jie Jiang, Yong Han

Quality-Related Fault Diagnosis Methods of Industrial Processes under Variable Operating Conditions: A Review, pp.7359-7364 Yibo Wu,Shuai Li,Zijun Li,Shijie Zhu

Simulation and Transfer of Physical Image Features Based on Recurrent Generative Adversarial Networks, pp.7365-7370 Yongxiang Dong,Feiyue Wu,Juncheng Jiang,Chaochao Qiu,Dong Wang,Wei Wang,Qinghui Pan,Jie Lian

Complex Fusion Structure Slow Dissociation Simulation Prediction Method, pp.7371-7374 Dongsheng Zhang,Yigeng Wang,Wanyi Huang

Carbon Emission Evaluation Method for Distribution Networks Based on Entropy Method, pp.7375-7378 Gang Zhang, Jing Peng, Jun Wang, Fujun Qi, Xinyue Jin, Xiangjin Xin

Adaptive Task Allocation for Multi-UAV Systems Using a Novel Dynamic Distributed Algorithm, pp.7379-7383 Cheng Zhou,Nuo Ii,Shuqi Yang,Lianbo Yu,Lei Lian,Dong Wang,Wei Wang

Requirement and practice of coal supply balance and energy dispatching risk analysis for large energy enterprises, pp.7384-7388 ShiShuai Zhang, Hailong Zhang, Aiming Chen, Gao Zuo, Chuang Chen, Pengbo Zhang

Requirement and practice of supply chain information monitoring and operation planning for large energy enterprises, pp.7389-7393 Zhen Kong, Hailong Zhang, Shishuai Zhang, Wei Xu, Zhelun Ding, Hongyan Wang

Multiple Static Target Hunting Based on the RRT and OSPA Distance, pp.7394-7399 Weifeng Liu,Shiwei Ren,Jiawei Tang,Zijun Su