## **JOURNAL OF COMPUTERS**

ISSN: 1991-1599 Volume 35 Number 1 February 2024

## **CONTENTS**

Wireless Sensor Networks Node Localization Algorithm Based on Range
Optimization and Graph Optimization1
Lei Wang, Ting-Ting Niu, Wei-Hao Qiao, Song Cui
ACANet: A Fine-grained Image Classification Optimization Method Based on
Convolution and Attention Fusion
Zhi Tan, Zi-Hao Xu
Beam Tracking Based on a New State Model for mmWave V2I
Communication on 3D Roads33
Yu Sun, Chen-Wei Feng, Xian-Ling Wang, Jiang-Nan Yuan, Lin Zhang
MR-SFAMA-Q: A MAC Protocol Based on Q-Learning for Underwater
Acoustic Sensor Networks51
Wei-Kai Sun, Xiao-Mei Wang, Bin Wang, Jia-Sen Zhang, Hai-Yang Du
<b>Efficient First-Price Sealed E-Auction Protocol Under Secure Multi-Party</b>
Computational Malicious Model65
Da-Wei Zhou, Su-Zhen Cao, Xiao Zhao, Dan-Dan Xing, Zheng Wang
End-to-end Visual Grounding Based on Query Text Guidance and Multi-stag
Reasoning83
Chao Wang, Wei Luo, Jia-Rui Zhu, Ying-Chun Xia, Jin He, Li-Chuan Gu
A Novel Deep Neural Network for Facial Beauty Improvement97
Xiao-Xiao Ge, Wen-Feng Wang, Lalit Mohan Patnaik
Robust Zero-Watermarking by Circular Features and 1-D NRDPWT
Transformation109
Hsiu-Chi Tseng, King-Chu Hung
Using Machine-Learning Technology to Implement a Nonhardware and
<b>Inexpensive Posture Detection System for Analyzing Body Posture Angles in</b>
Front Crawl Swimming131
Yu-Hung Hsu, Cheng-Hsiu Li

Small Object Detection in Remote Sensing Based on Contextual Inform	ation
and Attention	145
Hua-Ping Zhou, Jie Zhang, Ke-Lei Sun, Qiu-Fen Wen, Qi Zhao, Ying-Jie Guo	
Compressive Perception Image Reconstruction Technology for Basic M	ixed
Sparse Basis in Metal Surface Detection	159
Xiang-Yun Yi, Xiao-Bo Dong, Liang-Gui Zhang, Yan-Chao Sun, Wen-Tao Li, Ta	io Zhang
A Method for Industrial Robots to Grasp and Detect Parts of Instrument	nt
under 3D Visual Guidance	167
Qing-Chuan Liu, Xiao-Yang Zhang, Rui Fan, Wei-Min Liu, Jian-Fang Xue	
A Text Analysis Method for Student Learning Feedback on Network Te	aching
Platform Based on Natural Language Processing	177
Xue-Meng Du, Ji-Cheng Yang	
Design of Data Monitoring System for Intelligent Production Line System	m
Based on Digital Twin	185
Rui Fan, Wei-Min Liu, Jian-Fang Xue, Qing-Chuan Liu, Xiao-Yang Zhang	
<b>Deterministic Scheduling Algorithm Based on Proportional Conflict and</b>	i
Deadline in Industrial Wireless Networks	195
Xuan Zhao, Bo Shen, Maojie Zhang, Ying Liu, Guohua Shi, Peng Zhao, Zhiyuan	Zhang
Optimization Method for Robot Moving Object Recognition and Grasp	U
Strategy Based on Binocular Vision	207
Xiao-Yang Zhang, Rui Fan, Wei-Min Liu, Jian-Fang Xue, Qing-Chuan Liu	
Optimization of Ship Power Supply Network and Intelligent Energy	
Management Strategy Under Multiple Energy Modes	217
Bo-Wei Zhou, Yong Huang, Bin Jiang, Fei Geng	
Research on Real Time Data Monitoring Method for Intelligent Factory	7
<b>Equipment Based on Ethernet Communication</b>	227
Jian-Fang Xue, Qing-Chuan Liu, Xiao-Yang Zhang, Rui Fan, Wei-Min Liu	
Research on Strategies for Improving the Quality of English Blended To	eaching
in Vocational Colleges through Network Informatization Resources	235
Guang-Hua Li, Tian-Hua Lu	
Research on Vehicle Task Management Based on TBMADDPG	243
Zhao-Nian Li, Yao-Chen Zhang, Zhen-Jiang Zhang, Wen-Hui Wang, Mao-Jie Z	hang,
Guo-Hua Shi	
<b>Retinal OCT Image Classification Based on CNN-RNN Unified Neural</b>	
Networks	255
Xue-Feng Jiang, Ken-Cheng, Zhi-De Li	