

JOURNAL OF COMPUTERS

ISSN: 1991-1599 Volume 31 Number 2 April 2020

CONTENTS

MRAS Speed Observer for Permanent Magnet Linear Synchronous Motor based on RBF Neural Networks	1
<i>Qi-Yong Chen, Rong-Kun Wang, Fei Man, Kai Peng, Bing-Tao Hu, Dong Yan</i>	
Facial Expression Recognition Based on Deep Residual Network	12
<i>Junsuo Qu, Ruijun Zhang, Zhiwei Zhang, Jeng-Shyang Pan</i>	
Construction of Joint Simulation Platform and Model Identification for Water Storage Air Conditioning System	20
<i>Yong-Shun Wang, Dong Wei, Kun Liu</i>	
The Three-dimensional Panning Method for Reconstructing Sound Field with the Listening Angle	28
<i>Ao-Ao Yang, Cong Zhang, Song Wang, Han-Chieh Chao</i>	
Research on Hybrid Artificial Intelligence Optimization Algorithm for Grain Transportation	35
<i>Yiting Zhen, Kang Zhou, Haocheng Fang, Long Hu, Zhuo'er Dai, Wanying Liang, Sisi Zhou</i>	
Adaptive Gabor Filtering for Fabric Defect Inspection	45
<i>Ling Chen, Shan Zeng, Quansheng Gao, Biao Liu</i>	
Mining Association Rules between Education, Family Background and Earning	56
<i>Chih Yen Chang, Ming Sang Chang</i>	
Complex Analysis on Dual Channel Green Supply Chain with Consistent Pricing Strategy	70
<i>Shan Chen, Xu Wang, Yingbo Wu, Fuli Zhou, Jianhui Du</i>	
Research on Default Risk of Peer-To-Peer Online Lending Based on Data Mining Algorithm	83
<i>Xiao-feng Li, Chang Zhang, Xu-chen Lin, Ting-jie Lv, Lin-lin Liu</i>	
Research on the Public Opinion Early Trend Prediction Based on the Trend Similarity of Emergency	101
<i>Fu-Lian Yin, Xiao-Wei Liu, Bei-Bei Zhang</i>	
Novel Feature Representation and Enhanced Metric Learning for Person Re-identification	114
<i>Zhuochen Lei, Wanggen Wan, Xiaoqing Yu</i>	

Big Data Analysis Based on Hadoop Cluster and Spark Cluster on Linux Platform	127
<i>Kangxu Liu, Guangming Li</i>	
Joint-based Hand Gesture Recognition Using RealSense	141
<i>Yun Wu, Dong-chen Huang, Wei-Chang Du, Meng-ke Wu, Chun-Zhe Li</i>	
Ultra-Large Last-Level Cache (UL³C) of Phase Change Memory	152
<i>Hai-Xin Li, Wei-Liang Jing, Ji-Peng Guo, Yuan Du, Zhi-Tang Song, Bomy Chen</i>	
A Safety and Efficient Speech Biological Hashing Algorithm	168
<i>Qiuyu Zhang, Gaili Li, Si-bin Qiao, Yong-bing Zhang</i>	
An Efficient Task Scheduling Algorithm Based on Particle Swarm Optimization with Self-Learning Strategy and Neighbor Heuristic Mechanism on the Cloud	180
<i>Lili Fan, Minggang Dong, Chao Jing</i>	
Opportunistic Mobile Network Routing Protocol Based on Multiple-level Social Network	197
<i>Bi-Tao Peng, Juan Wang</i>	
Camera Pose Self-calibration-based View-invariant Trajectory Analysis with Monocular Vision	212
<i>Mo-Yi Zhang, Qiu-Yu Zhang, Hong-Xiang Duan, Hui-Yi Wei</i>	
Analysis and Exploration of Open Source Data in Traffic Network Based on Shared Bicycle Arrangement Model	227
<i>Xia Hu, Jingjing Cheng, Wenjie Zhong</i>	
A BERT Based Single Document Extractive Summarization Model	241
<i>Wei Liu, Pei-Ran Song, Rui-Li Jiao</i>	
Variational Bayesian-based Multiple-model Algorithm Combined with Auxiliary Knowledge	250
<i>Jing Liu, Gao-De Qin, Quan-Hui Wang, Xue-zhu Na, En Fan</i>	
Moving Target Detection and Tracking Based on Improved Mean Shift Algorithm	264
<i>Lin Zhang, Xiao-ping Li, Fan-bo Zhang, Xu-long Ren</i>	
Application of Knowledge Distillation in Representation Learning Person Re-identification Model	277
<i>Chang Liu, Hang Ma, Jun-Jie Jin, Xin-Lun Zhou, Wen-Bai Chen</i>	
Competition and Influence Models of Message Transmission in Social Networks	287
<i>Xue-Bin Li, Dong-Xing Jiang, Juan-Chen, Ling-Yan Kong, Shao-Chun Han, Xing-Ren</i>	
Abdominal Needle Assisted Robotic Arm Motion Control and Trajectory Planning	298
<i>Ying-Gang Xie, Guang-Jun Liu, Jiang-Yu Lan, Bo-Bin Gao</i>	