

Paper ID: ICGEC-2023-A01

Paper Title: Analysis on the Influence of Regional Agricultural Planting Factors on Grain Yield Based on Genetic Feedback Process Neural Network

Author(s): Yuan Tian, Yongquan Liang

Paper ID: ICGEC-2023-A02

Paper Title: Analysis of the coordination of highway network in urban agglomerations based on fractal theory

Author(s): Meng-Jun Mei, Ding Chen, Zhe-Ming Lei, Bin Hu

Paper ID: ICGEC-2023-A03

Paper Title: Path Planning Based on YOLOX and Improved Dynamic Window Approach

Author(s): Xin Zhang

Paper ID: ICGEC-2023-A04

Paper Title: The Role of Reputation–Aspiration in the Evolution of Cooperation

Author(s): Xin Ge, Yue Liu, Lili Li

Paper ID: ICGEC-2023-A05

Paper Title: A New Membrane Algorithm based on Quasi-Affine TRansformation Evolution for Optimization Problems

Author(s): Xiaopeng Wang, Václav Snášel, Seyedali Mirjalili, Shu-Chuan Chu, Hisham A. Shehadeh

Paper ID: ICGEC-2023-A06

Paper Title: UAV Path Planning Based on Improved QUATRE Algorithm in Different Environments

Author(s): Xin Zhang, Gengfeng Zheng, Haolong Chen, Song Chen

Paper ID: ICGEC-2023-A07

Paper Title: A Hybrid Algorithm ACS-GA for Solving the Traveling Salesman Problem

Author(s): Zhonghai Bai, Václav Snášel, Vo Bay, Lingping Kong, Xiaopeng Wang

Paper ID: ICGEC-2023-A08

Paper Title: Efficient Weighted Sequence Pattern Mining

Author(s): Shaotao Chen, Jiahui Chen, Shicheng Wan

Paper ID: ICGEC-2023-A09

Paper Title: Exploring the Integration of Neural Networks in Quality-Oriented Education for Undergraduates: Evolutionary Computing-Based Personalized Learning Path Recommendation

Author(s): Xiaoyu Dong, Miaomiao Zhao

Paper ID: ICGEC-2023-A10

Paper Title: Evaluation of Deep Clustering for Assessing Undergraduate Understanding in Ideological and Political Education: Data-Driven Analytics

Author(s): Miaomiao Zhao, Xiaoyu Dong

Paper ID: ICGEC-2023-A11

Paper Title: Lightweight Dialog State Tracking Methods Based on RoBERTa for Resource Constrained Dialog Systems

Author(s): Dapeng Li, Shuliang Wang, Boxiang Zhao, Zhiqiang Ma, Xin Xin

Paper ID: ICGEC-2023-A12

Paper Title: An ETC missed transaction data restoration approach for expressways considering multiple scenario features

Author(s): Zhaoyi Zhou, Fumin Zou, Qiqin Cai

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Author(s): Jingxiu Xu, Albert A. Vinluan

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Author(s): Ta-Wen Kuan, Xiaodong Yu, Shunlian Luo, Yuh-Chung Lin, Ying Chen, Yanze Wang

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Author(s): Ta-Wen Kuan, Xiaodong Yu, Qi Wang, Yihan Wang

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Author(s): Zhen Song, Yufeng Wu, Longfei Zhang, Wenting Tao, Lijie Li, Gangyi Ding

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Paper Title: Deep learning-based speed limit information recognition

Author(s): Xu Luo, Fumin Zou, Sijie Luo, Feng Guo

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Paper Title: Vehicle identification model of expressway service area based on ETC transaction data

Author(s): Fumin Zou, Yi You, Qiqin Cai, Feng Guo

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Author(s): Connor Little, Salimur Choudhury, Kai Salomaa

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Author(s): Chuan-Sheng Hung, Shi-Huang Chen, Chun-Hung Richard Lin

Paper ID: ICGEC-2023-B01

Paper Title: Binary Growth Optimizer: for Solving Feature Selection Optimization Problems

Author(s): Shu-Chuan Chu, Zhi-Chao Dou, Jeng-Shyang Pan, Lingping Kong, Tien-Szu Pan

Paper ID: ICGEC-2023-B02

Paper Title: A New Coati Optimization Algorithm for Binary Optimization

Author(s): Gui-Ling Wang, Shu-Chuan Chu, Jeng-Shyang Pan, Dongqiang Yang, Chin-Shiuh Shieh

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Author(s): Hao-Jie Shi, Jeng-Shyang Pan, Shu-Chuan Chu, Lingping Kong, Václav Snášel

Paper ID: ICGEC-2023-B04

Paper Title: Generalization of Relay Node Deployment Problem for Wireless Sensor Network on jMetal

Author(s): Lingping Kong, Petr Gajdos, Jeng-Shyang Pan, Václav Snášel

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Author(s): Han Gao, Weimin Zheng, Minghui Zhu

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Author(s): Ting Ye, Fumin Zou, Feng Guo

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Author(s): Wenyu Chen, Fumin Zou, Feng Guo

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Author(s): Xinrui Zhao, Fumin Zou, Feng Guo, Sirui Jin

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Author(s): Daming Xu, Kelin Gao, Zhongbao Hou, Li Zhang, Zhipei Wei, Qi Li, Yuzhu Ding

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Author(s): Yang-Zhi Chen, Ruo-Bin Wang, Hao-Jie Shi, Rui-Bin Hu, Lin Xu

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Author(s): Hao-Jie Shi, Feng Guo, Yang-Zhi Chen, Lin Xu, Ruo-Bin Wang

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Author(s): Wei Zong, Dawei Luo

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Author(s): Juan Luo

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Author(s): Yen-Deng Huang, Simon Wu, Xue-Fei Yuan

Paper ID: ICGEC-2023-B41

Paper Title: Proposal of a DDoS Attack Detection Method Using the Communication Interval

Author(s): Kosei Iwasa, Shotaro Usuzaki, Kentaro Aburada, Hisaaki Yamaba, Tetsuro Katayama, Mirang Park, Naonobu Okazaki

Paper ID: ICGEC-2023-B42

Paper Title: Study of an image-based CAPTCHA that is resistant to attacks using image recognition systems

Author(s): Sojiro Nishikawa, Shotaro Usuzaki, Kentaro Aburada, Hisaaki Yamaba, Tetsuro Katayama, Mirang Park, Naonobu Okazaki

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Author(s): Nay Chi Lynn, Yosuke Sugiura, Tetsuya Shimamura

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Author(s): Swe Nwe Nwe Htun, Shusaku Egami, Duan Yijun, Ken Fukuda

Paper ID: ICGEC-2023-B45

Paper Title: Proposal of Fill in the Missing Letters CAPTCHA Using Associations from Images

Author(s): Hisaaki Yamaba, Muhammad Nur Firdaus Bin Mustaza, Shotaro Usuzaki, Kentaro Aburada, Masayuki Mukunoki, Mirang Park, Naonobu Okazaki

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Paper Title: Digital Transformation (DX) Solution for Monitoring Mycoplasma Infectious Disease in Calves: A Worldwide Health Challenge

Author(s): Cho Nilar Phy, Pyke Tin, Hiromitsu Hama, Thi Thi Zin

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Paper Title: AI Driven Movement Rate Variability Analysis Around the Time of Calving Events in Cattle

Author(s): Wai Hnin Eaindrar Mg, Pyke Tin, Masaru Aikawa, Ikuo Kobayashi, Yoichiro Horii, Kazuyuki Honkawa, Thi Thi Zin

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Author(s): Min-Xiang Chen, Po-Han Chen, Chia-Chi Tsai

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Author(s): Chao-Yang Lee, Abida Khanum

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Author(s): Xuan Zhang, Lixin Huang, Teng Fu, Yujia Wu

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Author(s): Xin Guo, YiChen Yang, Zilong Yin, Ying Chen, Yujia Wu

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Author(s): Ming Hui Zhang, Xu Yang, Ming Chao Zhang

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Author(s): Ming Hui Zhang, Wei Hong Yu, Ming Chao Zhang

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Author(s): Ming Chao Zhang, Ming Hui Zhang

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Author(s): Yaqing Zheng, Hongyuan Gao, Yulong Qiao

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Paper Title: Chewing Behavior Detection Based on Facial Dynamic Features

Author(s): Cheng-Zhe Tsai, Chun-Chih Lo, Lan-Yuen Guo, Chin-Shiuh Shieh, Mong-Fong Horng

Paper ID: ICGEC-2023-B62

Paper Title: Unknown DDoS Attack Detection using Open-Set Recognition Technology and Fuzzy C-Means Clustering

Author(s): Hao Kao, Thanh-Tuan Nguyen, Chin-Shiuh Shieh, Mong-Fong Horng, Denis Miu

Paper ID: ICGEC-2023-B63

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Author(s): Che-Wei Chou, Chang-Ang Lee, Shu-Wei Guo, Chin-Shiuh Shieh, Mong-Fong Horng

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Paper Title: PSO-based CI Agent with Learning Tool for Student Experience in Real-World Application

Author(s): Chang-Shing Lee, Mei-Hui Wang, Chih-Yu Chen, Che-Chia Liang, Sheng-Chi Yang, Mong-Fong Horng

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Author(s): Yeong-Chyi Lee, Tzung-Pei Hong, Yi-Chen Chiu, Chun-Hao Chen

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Author(s): Yuman Wang, Hongbin Wu, Yilei Wang, Zixiang Wang, Xinyue Zhu, Kexi-ang Qian

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Author(s): Neng-Chung Wang, Chao-Yang Lee, Ming-Fong Tsai, Hsu-Fen Fu, Wei-Jung Hsu

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Author(s): Haonan Li, Shu-Chuan Chu, Saru Kumari, Tsu-Yang Wu

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Paper Title: Barnacle Growth Algorithm (BGA): A new bio-inspired metaheuristic algorithm for

solving optimization problems

Author(s): Ankang Shao, Shu-Chuan Chu, Yeh-Cheng Chen, Tsu-Yang Wu