

IIHMSP 2024 - Accepted Papers

	<i>Paper Title</i>	<i>Authors</i>
1	DustGAN: Unpaired Learning for Dust Image Simulation Based on ASM with GANs	Yuxin Guo, Pengfei Cao, Yang Chen, Fuquan Zhang, Zhuoli He, Manying Shen, Jiayan Huang, and Chuansheng Wang
2	Benchmarking Single Image Dedusting	Tianlin Fu, Fuquan Zhang, Pengfei Cao, Yang Chen, Zhuoli He, Jiayan Huang, and Xinxin Xu
3	Deep Learning Application for Egg Quality Detection in Ephestia kuehniella	Dong-Wei He and Chao-Huang She
4	A Global Optimization Algorithm for 3D Point-Set Registration Based on Quantum Particle Swarm Algorithm	Ying Li and Dingfei Jin
5	Efficient Architecture Search for Super-Resolution Residual Dense Networks via Heuristic Optimization	Shu-Chuan Chu, Ruhai You, Jeng-Shyang Pan, and Pei Hu
6	Discriminate the Authenticity of High-Resolution Videos Based on Deep Learning	Jeng-Shyang Pan, Wei Wang, Shu-Chuan Chu, and Bin Yan
7	Fitness-distance balance based Tumbleweed Algorithm	Jeng-Shyang Pan, Yingying Wang, Shu-Chuan Chu, and Junzo Watada
8	Improved Compact Gannet Optimization Algorithm with Auxiliary Particles	Bing Sun, Shu-Chuan Chu, Li Zhang, and Jeng-Shyang Pan
9	Optimizing the Drug Discovery Pipeline: A Multi-Objective Approach with Genetic Algorithms	Thi-Kien Dao, Li Ting, Shaowei Weng, Thi-Xuan-Huong Nguyen, Trong-The Nguyen
10	An Impact of Watermarking Technology on Digital Forensics and Copyright Enforcement	Trong-The Nguyen, Longcun Wang, Shaowei Weng, Tiancong Zhang, Thi-Xuan-Huong Nguyen, Thi-Thu-Thuy Nguyen
11	AI-Driven Strategies for Effective Disaster Management and Mitigation: Innovations, Challenges, and Resilience Building	Usman Ahmad Usmani, Junzo Watada, and Abdullah Yousuf Usmani
12	Harmonizing Sustainability and Efficiency: Innovations in Energy Management and Green Engineering for a Greener Tomorrow	Usman Ahmad Usmani, Junzo Watada, and Abdullah Yousuf Usmani
13	The 1-Fair Domination Problem on Extended Supergrid Graphs	De-Yu Wang, Ruo-Wei Hung, Jong-Shin Chen, and Fu-Hsing Wang
14	A Privacy-Preserving E-ticketing Protocol using Blockchain Technology	Sue-Chen Hsueh and Shuang-Chiao Wan
15	A Ticketing System with Non-Fungible Token-Enabled Social Sharing	Sue-Chen Hsueh and Pin-Yun Yeh
16	Construction of Course Intelligence Feature Matrix Based on Multiple Intelligences and LLM and Its Application in Cluster Analysis	Tzu-Chuen Lu and Yu-Che Chien
17	Integration of Conversational AI and Voice Synthesis for Enhanced Interactive Virtual Characters	Shih-Hung Wu, Ping-Hsuan Lee, Wen-Kai Shen, Chi-Min Chou
18	Review of the Reversible Data Hiding in Encrypted Image	Chin-Feng Lee and Zi-Yi Huang
19	A Deep Learning Sentiment Analysis for Depression Detection Using Chinese Social Media Comments	Li-Hua Li and Yung-Cheng Chuang
20	Impact of Fragile Watermarking on Object Detection Accuracy under Image Tampering A YOLOv7-Based Study	Chin-Feng Lee, Tong-Ming Li, and Iuon-Chang Lin
21	Real-time Detection of Rear Moving Objects in a Traffic Scene using Yolo models	Ibrahim Yahaya Garta and Rung-Ching Chen
22	Embedding Digital Signature into CSV Files Using Data Hiding	Akinori Ito
23	A Topological Gradient Induced Sorting Approach For Multi-objective Optimization	Vaclav Snasel, Shu-Chuan Chu, Lingping Kong
24	No-Reference Quality Assessment of Light Field Images using Four-stream Convolutional Neural Network	Junbo Wang, Jian Ma, Cheng Jin, Ping An, and Deyang Liu
25	An enhanced five phases algorithm based on fitness-distance balance selection	Xiaopeng Wang, Vaclav Snasel, Seyedali Mirjalili, Shu-Chuan Chu, and Rizk M. Rizk-Allah

26	Design and Analysis of Voltage Source Inverters with Robust and Intelligent Tracking Scheme	En-Chih Chang, Yeong-Jeu Sun, and Chun-An Cheng
27	Design a TCP/AQM controller using an improved red-tailed hawk algorithm	Weimin Zheng, Jia Li, Yanxin Li
28	The Tracker Based on Informer	Chunyu Chen, Kaiyang Xing, Yulong Qiao, and Wantong Sun
29	SwinAGI: Advancing SwinIR's Global Information Modeling for Enhanced Image Super-Resolution Representation	Lianguo Liu, Jian Ma, Sheng Chen, and Guoming Xu
30	A Coupled SVM-CEEMDAN-BiLSTM Model for Improving Daily Precipitation Prediction: The Case Study in Poyang Lake Basin, China	Liyang Xiao, Yongcheng Guo, Pinggen Wang, Ming Ling, Yuxiang Chen and Yinying Tang
31	Hybrid Strategy-Improved Dung Beetle Optimization Algorithm	Tien-Wen Sung, Binbin Wu, and Yuzhen Chen
32	A Novel Image Compression Scheme Based on Decision Tree Structure	Chun-Hsiu Yeh, Hui-Ching Chang, Yi-Teng Lin, and Yung-Chen Chou
33	Ship Detection in SAR Images Using DETR With Feature Pyramid Network	Chao Wang, Jianglei Gong, and Baolong Guo
34	Research on Small Face Detection Algorithm Based on Lightweight Intra-group Attention Mechanism and Multi-scale Feature Fusion	Zhe Yuan, Jianglei Gong, Baolong Guo, and Jiawei Song
35	Research on Classification and Recognition of the She Ethnic Group Clothing Pattern Based on Convolutional Neural Network	Ming-Yue Chen and Ke-Ke Sun
36	Design and Analysis of Intelligent Wheelchair Structure with Climbing and Obstacle Crossing Function	Kai Li and Yi-Jui Chiu
37	Music Genre Classification Using Orthogonal Feature Fusion and Orthogonal Projection Loss	Pei-Chun Chang, Yong-Sheng Chen, and Chang-Hsing Lee
38	A Study on the Using Blockchain to Compress the Driving Data for the Internet of Vehicle Application	Chuan-Sheng Hung, Shi-Huang Chen, and Chun-Hung Richard Lin
39	Development of a Bus Driver Driving Hours Management System Based on Blockchain and the Internet of Vehicles (IoV)	Chuan-Sheng Hung, Shi-Huang Chen, and Chun-Hung Richard Lin
40	Research on the Knowledge Graph of Synthetic Biology Industry Development in Changzhou City	Ning He, Xiaohua Zou, and Xinghua Meng
41	Method for Generating Deceptive Bait in Industrial Control Systems Based on Software Simulation	Fanghui Sun, Shuo Zhang, Zuofu Liu, Tingyue Yu, Zihong Chen, and Shen Wang
42	A Generalized Fuzzing Framework for Unknown Network Protocols	Fanghui Sun, Boyu Zhang, Tingyue Yu, Zihong Chen, and Shen Wang
43	ArchInfer: An Automatic Protocol Format Inference Algorithm Based on Dynamic Program Analysis	Kehan Wang, Fanghui Sun, Tingyue Yu, Zihong Chen, Zhengze Wu, and Shen Wang
44	Depth-Guided Multimodal Fusion Network for Enhanced Light Field Saliency Detection	Jiaxin Han, Tao Zhang, Huihui Bai, and Yao Zhao
45	Application of Binary Adaptive Fish Migration Optimization Algorithm to Identify Parkinson's Disease	Wei-Min Zheng, Qing-Wei Chai, Jeng-Shyang Pan, Lili Xu, Zhuang Geng
46	A compact Black Hole Algorithm for localization of mobile sensor network	Yan Xia, Wei-Min Zheng, Shi-Lei Xu, Qing-Wei Chai, Pei Hu
47	Intelligent Multimodal Fusion-Stream Network for Robust Motion Planning in Autonomous Vehicles	Chao-Yang Lee, Abida Khanum
48	The Prediction of Digital Engagement on Psychological Well-being in Older Adults in Taiwan	You-Te Lu, Tien-Wen Sung