	IIHMSP 2024 Accepted Papers	
No.	Title	Authors
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	Efficient Architecture Search for Super-Resolution Residual Dense Networks via Heuristic Optimization	Shu-Chuan Chu, Ruhai You, Jeng-Shyang Pan, and Pei Hu
5	Discriminate the Authenticity of High-Resolution Videos Based on Deep Learning	Jeng-Shyang Pan, Wei Wang, Shu-Chuan Chu, and Bin Yan
6	Fitness-distance balance based Tumbleweed Algorithm	Jeng-Shyang Pan, Yingying Wang, Shu-Chuan Chu, and Junzo Watada
7	Improved Compact Gannet Optimization Algorithm with Auxiliary Particles	Bing Sun, Shu-Chuan Chu, Li Zhang, and Jeng-Shyang Pan
8	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
9	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
10	AI-Driven Strategies for Effective Disaster Management and Mitigation: Innovations, Challenges, and Resilience Building	Usman Ahmad Usmani, Junzo Watada, and Abdullah Yousuf Usmani
11	Harmonizing Sustainability and Efficiency: Innovations in Energy Management and Green Engineering for a Greener Tomorrow	Usman Ahmad Usmani, Junzo Watada, and Abdullah Yousuf Usmani
12	The 1-Fair Domination Problem on Extended Supergrid Graphs	De-Yu Wang, Ruo-Wei Hung, Jong-Shin Chen, and Fu-Hsing Wang
13	A Privacy-Preserving E-ticketing Protocol using Blockchain Technology	Sue-Chen Hsueh and Shuang-Chiao Wan
14	A Ticketing System with Non-Fungible Token-Enabled Social Sharing	Sue-Chen Hsueh and Pin-Yun Yeh
15	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
16	Integration of Conversational AI and Voice Synthesis for Enhanced Interactive Virtual Characters	Shih-Hung Wu, Ping-Hsuan Lee, Wen-Kai Shen, Chi-Min Chou

17	Review of the Reversible Data Hiding in Encrypted Image	Chin-Feng Lee and Zi-Yi Huang
18	A Deep Learning Sentiment Analysis for Depression Detection Using Chinese Social Media Comments	Li-Hua Li and Yung-Cheng Chuang
19	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
20	Real-time Detection of Rear Moving Objects in a Traffic Scene using Yolo models	Ibrahim Yahaya Garta and Rung-Ching Chen
21	Embedding Digital Signature into CSV Files Using Data Hiding	Akinori Ito
22	A Topological Gradient Induced Sorting Approach For Multi-objective Optimization	Vaclav Snasel, Shu-Chuan Chu, Lingping Kong
23	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
24	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
25	Design and Analysis of Voltage Source Inverters with Robust and Intelligent Tracking Scheme	En-Chih Chang, Yeong-Jeu Sun, and Chun-An Cheng
26	Design a TCP/AQM controller using an improved red-tailed hawk algorithm	Weimin Zheng, Jia Li, Yanxin Li
27	The Tracker Based on Informer	Chunyu Chen, Kaiyang Xing, Yulong Qiao, and Wantong Sun
28	SwinAGI: Advancing SwinIR's Global Information Modeling for Enhanced Image Super-Resolution Representation	Lianguo Liu, Jian Ma, Sheng Chen, and Guoming Xu
29	A Coupled SVM-CEEMDAN-BiLSTM Model for Improving Daily Precipitation Prediction: The Case Study in Poyang Lake Basin, China	Liying Xiao, Yongcheng Guo, Pinggen Wang, Ming Ling, Yuxiang Chen and Yinying Tang
30	A Novel Image Compression Scheme Based on Decision Tree Structure	Chun-Hsiu Yeh, Hui-Ching Chang, Yi-Teng Lin, and Yung-Chen Chou
31	Ship Detection in SAR Images Using DETR With Feature Pyramid Network	Chao Wang, Jianglei Gong, and Baolong Guo
32	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
33	Research on Classification and Recognition of the She Ethnic Group Clothing Pattern Based on Convolutional Neural Network	Ming-Yue Chen and Ke-Ke Sun
34	Design and Analysis of Intelligent Wheelchair Structure with Climbing and Obstacle Crossing Function	Kai Li and Yi-Jui Chiu

35	Music Genre Classification Using Orthogonal Feature Fusion and Orthogonal Projection Loss	Pei-Chun Chang, Yong-Sheng Chen, and Chang-Hsing Lee
36	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
37	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
38	Research on the Knowledge Graph of Synthetic Biology Industry Development in Changzhou City	Ning He, Xiaohua Zou, and Xinghua Meng
39	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
40	A Generalized Fuzzing Framework for Unknown Network Protocols	Fanghui Sun, Boyu Zhang, Tingyue Yu, Zihong Chen, and Shen Wang
41	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
42	Depth-Guided Multimodal Fusion Network for Enhanced Light Field Saliency Detection	Jiaxin Han, Tao Zhang, Huihui Bai, and Yao Zhao
43	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
44	A compact Black Hole Algorithm for localization of mobile sensor network	Yan Xia, Qing-Wei Chai, Shi-Lei Xu, and Wei-Min Zheng
45	Parallel Compact Dandelion Optimizer Algorithm	Weimin Zheng, Liying Zhang, Ning Liu
46	Intrusion Detection in IEC-61850 with LSTM and Focal Loss Regulation	Yu-Xiang Lin, Chin-Shiuh Shieh, Mong-Fong Horng, Lawton Liao, and Prasun Chakrabarti
47	Deep Learning Under Siege: Identifying Security Vulnerabilities and Risk Mitigation Strategies	Jamal Al-Karaki, Muhammad Al-Zafar Khan, Mostafa Mohamad, Dababrata Chowdhury