EAI ADHIP 2024

8th EAI International Conference on Advanced Hybrid Information Processing

September 20-22, 2024

Jiaxing, **Zhejiang, People's Republic of China**

Friday, 20th Sep. 2024	**08:30 - 20:00 Registration**
Saturday, **21th Sep. 2024** **09:00-12:00**	**09:00 - 10:00 Opening** **10:00 - 10:30 Keynote I-Xindong WU** **10:30 - 11:00 Keynote II-Chenggang Yan** **11:00 - 11:30 Keynote III-Tianyi Zhou** **11:30 - 12:00 Keynote IV-Guangjie Han**
Saturday, **21th Sep. 2024** **12:00-14:00**	**Lunch**
Saturday, 21th Sep. 2024 14:00-18:00 session 1 (Each slot has 10-15 minutes to present the stated topics in the format of presentation/poster/or the combination)	1. A Deep Learning and Neural Network Based Approach to Financial Risk Identification // A Deep Learning and Graph Neural Network Based Approach for Financial Image Quality Enhancement 2. Economic Information Fusion Methold of Internet of Things Based on Genetic Algorithm //A Deep Reinforcement Learning-Based Method for Economic Dispatch of Integrated Energy System 3. A Deep Recursive Reinforcement Learning Based Optimization Method for Campus Ecological Landscape Planning and Layout // Optimization of Urban Landscape Planning and Design Based on Three-dimensional Convolutional Neural Network Image Processing 4. A Deep Learning and Graph Neural Network Based Method for Fusion of Player Action Images for Volleyball Teaching and Training Matches // A Method for Automatic Generation of Decorative Patterns for Volleyball Training Uniforms Based on Generative Adversarial Networks 5. A Deep Reinforcement Learning-based Approach for Intelligent Recommendation of Digital Museums // Research on the Integration Method of Digitized Regional Cultural Resources Based on Fuzzy Clustering 6. An Intelligent Fault Prediction Method for Distribution Grid Transformers Based on Digital Twins and Deep Learning // A Method for Monitoring the Operational Status of Distribution Network Equipment by Integrating Digital Twin Technology and Association Rules 7. A Study on Optimal Motion Path Planning for Rural Logistics and Transportation Vehicles Based on Deep Reinforcement Learning // A Chaotic Mapping-based Approach for Privacy-encrypted Storage of Information in Storage and Transportation Logistics Databases 8. A Three-dimensional Point Cloud Fusion Method for Ceramic Artifacts Based on Graph Neural Networks // A Deep Reinforcement Learning-based Feature Extraction Method for Visually Communicated Images 9. An Approach to Integrating Micro-video English Teaching Resources Based on Improved Deep Learning // Evaluating the Effectiveness of the Application of an Interactive Teaching Model for English Courses in Undergraduate Colleges and Universities based on Graph Neural Networks 10. A Personalized Recommendation Method for Ideological and Political Resources Based on Reinforcement Learning and Evolutionary Computing // A Deep Learning and Graph Neural Network-based Approach to Sharing Quality Teaching Resources in Civics 11. A Multi-Objective Optimization Model for Joint Construction Parameters of Prefabricated Buildings Based on Improved Bee Colony Algorithm // A Deep Learning-based Obstacle Detection Method for Driverless New Energy Vehicles 12. The Design of an Online Teaching System for Independent Learning Network under Intelligent Cloud Architecture // The Design of a Deep Learning-based Recommendation System for Teaching Resources in Distance Education Microcourses

	13. Personalized Push of MOOC English Teaching Resources Based on Multi-source Information Fusion // A Study on the Clustering Method of Digital English Teaching Resources Based on Deep Learning 14. A Deep Learning Based Method for Detecting Outliers in a Database of Ideological and Political Education System // A Knowledge Graph-based Approach for Deep Fusion of Multi-source Heterogeneous Big Data in Chinese Medicine 15. A Study of Intelligent Recognition Algorithms for Korean Characters Based on Deep Learning to Improve Long and Short-term Memory // A Hybrid Swarm Intelligence Algorithm Based Approach for Information Integration of English Language Database Calls
Saturday, 21th Sep. 2024 14:00-18:00 session 2 (Each slot has 10-15 minutes to present the stated topics in the format of presentation/poster/or the combination)	1. Joint Visual and Text Prompting for Zero-Shot Object-Oriented Perception with Multimodal Large Language Models 2. Synergizing Motion and Deep Features for Enhanced Ship Type Classification Through Deep Learning Fusion on AIS Data // CAMF: A Cross-modal Attention and Multi-stage Fusion Network for Multi-modal Vessel Identification 3. A Study on Fuzzy Comprehensive Evaluation of Blended Teaching Quality Based on Multi-source Information Fusion // Intelligent Optimization Method for Charging Power of Electric Vehicle Charging Station Based on VSM 4. Research on Intelligent Fusion Method of Social Media News Information Based on Reinforcement Learning // A Multi-source Personalized News Page Information Fusion Approach Based on a Data-driven Strategy 5. A Study on Multi-source Fusion Methodology for Rural Revitalization and Development Data under Digital Governance // A Multi-source Fusion Collection Method of Digital Economic Development Data for Rural Revitalization 6. Research on Intelligent Location of Abnormal Signals in Wireless Networks Based on RSSI Verification // An Intelligent Prediction Method for Green Development Trend of Sports Industry by Integrating Multi-Channel Data 7. OCR Recognition of Text Images with Unbalanced Illumination Based on Depth Learning // A Keyword Extraction Method for Social Media Topics Based on Multi-source Information Fusion 8. Bi-LSTM Based Intelligent Prediction Method for Public Opinion Dissemination Effect of Emergencies // Designing an Intangible Cultural Heritage Information Recommendation System Based on Multi-source Information Fusion 9. A Personalized Resource Recommendation Method for Laboratory-Integrated Civics Teaching Based on Multi-source Heterogeneous Information Fusion // A Deep Integrated Learning Mining Algorithm for Digital Trade Talent Development Model Labeled Demand Information 10. An Intelligent Recommendation Method for Cross-border E-commerce with Multiple Collaborative Information Based on Deep Learning and Graph Neural Network // A Multi-Dimensional Early Warning Method for Digital E-commerce Supply Chain Risk Based on IoT Information Fusion 11. Cloud Monitoring Technology of Fish Pond Water Quality Based on Internet of Things Multi-source Data Collection // A Transient Response Control Method for Hybrid Wind and Solar Power Microgrids Based on Composite Information Fusion 12. An Internet of Things (IoT) Monitoring Method for Campus Behavior Based on Situational Awareness Data Fusion // A Cross-library Retrieval Method Based on the Fusion of Multi-source Information for Curriculum-based Civics and Politics Repositories 13. A Deep Support Vector Machine-based Outlier Detection Method for Ocean Buoy Data // A Multi-sensor Based Method for Anti-jamming Transmission of Ocean Buoy Data 14. Accurate Recommendation Method of Oral English Online Learning Resources Based on Multi-source Information Fusion // An Automatic English Online Translation Error Recognition Method Based on Reinforcement Learning and Evolutionary Computation 15. Research on the Integration of University Research Information Resources based on Multi-source Information Fusion // A Study on the Job Information Recommendation Method Based on Social Network Information Fusion
Saturday, 21th Sep. 2024 18:00-20:00	Dinner
Sunday, 22th Sep. 2024 9:00-12:30 session 3 (Each slot has 10-15 minutes to present the stated topics in the format of presentation/poster/or the combination)	1. Research on the Effectiveness Assessment Method of E-commerce-enabled Rural Revitalization Based on Convolutional Neural Network // Research on the Optimal Route Recommendation Method for Regional Tourism Based on Ant Colony Algorithm in Digital Economy Era 2. A Three-dimensional Geographic Information Fusion Method Based on a Cascade Forest Model for Railroad Engineering in the Monsoon Frozen Zone // A Graph Neural Network-based Deformation Monitoring Method for Supertall Buildings

	3. A Graph Neural Network-based Enhancement Method for Terahertz Spectral Imaging // A Filter-machine Learning-based Denoising Method for Terahertz Time-domain Spectral Signals 4. A Personalized and Accurate Push Method for Online Teaching Resources Based on Social Media Information Integration // Design of Network Training Teaching Platform Based on Feedforward Neural Network and Virtual Simulation 5. A Method for Optimizing the Layout of a Virtual Simulation Laboratory Based on Multi-input Feature Fusion // A Multi-feature Fusion Based Method for Extracting Data for Virtual Simulation Experimental Teaching and Learning 6. Native 3D Diffusion Networks Architectures, Optimization, and Emerging Trends in Generative Modelling 7. A Study of a Kalman Filter-based Data Fusion Method for Blended English Language Teaching and Learning // Research on English Teaching Data Location Based on Multi-Agent Hierarchical Reinforcement Learning 8. Research on Multiple Backup Method for Enterprise Financial Data Based on Active Learning Algorithm // A Financial Audit Data Integrity Verification Method Based on Differential Evolution Algorithm 9. Design of a Depth-separable Convolution-based System for Detecting // Anomalous Weak Signals in Video Capture Terminals for the Internet of Things Anomaly Detection for Massive Data of Network Transmission Time Series Based on Graph Neural Network 10. Data Intrusion Detection Method for Embedded Components of Power Terminal Based on Machine Learning // Research on the Method of Integration of Multimodal Pedagogical Data in the Course "Economic Law" in the Specialization of Finance and Commerce 11. A Study on the Optimization Method for Real-time Querying of Regionalized Project Data Based on Improved Genetic Algorithm // A Graph Neural Network-based Safety Assessment Method for High-Rise Building Construction 12. A Study on Adaptive Push of Agricultural Products Marketing Information Based on Combinatorial Neural Network // A Graph Neural Network-based Method for Intelligent Acquisition of Linguistic Features for English Translation 13. An Intelligent Prediction Method for Employee Turnover Propensity in Enterprises Based on Recurrent Neural Networks // An Algorithm for Spectral reconstruction of radar receiver Signals Oriented to Non-integer-cycle Sampling
Sunday, 22th Sep. 2024 9:00-12:30 session 4 (Each slot has 10-15 minutes to present the stated topics in the format of presentation/poster/or the combination)	1. Vital Signs Monitoring for Non-tight-fitting Garments and its Signal Processing 2. A Hierarchical Recurrent Genetic Algorithm-based Approach for Emotion Recognition of Physiological Signals in Badminton Players // Classification of Difficult Movements in Competitive Aerobics Based on Quantum Genetic Algorithm 3. Optimal Allocation Method of College Students' Ideological and Political Education Resources Based on PSO Algorithm // A Study of Collaborative Filtering-based Recommendation Algorithms for University Aesthetic Education Teaching Resources 4. A Study of Resource Sharing Methods for Teaching English Reading Based on Blockchain Technology // A Hybrid Teaching Resource Sharing Method for Higher Vocational English Based on Cloud Storage 5. A Real-time Control Method for Linked CNC Systems Based on Human-machine Hybrid Augmented Intelligence // Real-time Analysis of an Embedded CNC System Based on Information Fusion in the Internet of Things 6. A Method for Recognizing Foul Play in Sports Based on Image Feature Mining // The Digitalization Construction Path of Enterprise Financial Management Based on Cloud Computing Technology 7. A Health Remote Monitoring System for the Elderly Living Alone Based on Feature Fusion of Physiological Parameters // Ancient Building Surface Damage Detection Method Based on Artificial Intelligence Machine Vision Technology 8. A Graph Neural Network-based Method for Detailed Feature Enhancement of UAV Aerial Images // An Isolated Random Forest Based Intrusion Detection Method for Wireless Network Nodes 9. A Cross-border E-commerce Logistics Path Optimization Method Based on IoT Data Fusion A Deep Learning-based Method for Forecasting Retail Prices of Internationally Traded Goods 10. A Study of Algorithms for Deep Integration of Information on Teaching Resources of Aerobics Course in the Context of Curriculum Thinking and Politics // Data Topic Mining Method of Online English Teaching in Higher Vocational Colleges Based on LDA Model 11. Research on Image Detail Enhancement of Product Packaging Design Based on Mixed Information Fusion // Design of Visual New Media Generation Art Interaction System Based on Processing and GPU

	12. Enterprise Information Fusion and Security Audit Method Based on DBSCAN Clustering // A Balanced Scheduling Technique for Distributed Inference Resources Based on Edge Computing
Sunday, **22th Sep. 2024** **12:30-14:00**	Lunch
Sunday, **22th Sep. 2024** **14:00**	Closure