

Day 1 – 15 November, 2024

Registration

**Xizha Tourist
Service Center of
Wuzhen**

Day 2 – 16 November, 2024

8:30 – 8:45 Opening session

9:00 – 10:00

Keynote 1: Prof. Kaizhu Huang

Title: Robust Adversarial Training Improves Trustworthy Artificial Intelligence

Keynote 2: Prof. Xiaofeng Tao

Title: Full-sensing Holographic Immersive Communications

ROOM A

**Di Shang Resort
Hotel Dong Zha
Halls 堤上东栅厅**

**Coffee Break
10:00**

ROOM A

**Di Shang Resort Hotel Dong Zha Halls
堤上东栅厅**

ROOM B

**Di Shang Resort Hotel Xi Zha Halls
堤上西栅厅**

Session 1 (Edge computing & Task scheduling)

10:30 – 12:00

Latency-Energy aware Heterogeneous Resource Allocation and Task Scheduling in Industrial Cloud-Edge Computing

Backpressure-based Federated Learning Model Scheduling in Edge Computing

Minimizing the Age of Knowledge in Application-oriented Mobile Edge Computing System with DRL-based Scheduling

Dependency-Aware Task Offloading in Dynamic Network Environment with D2D Collaboration

Delay Minimization for Downlink PD-NOMA Transmission with Index

Session 2 (Edge computing & Task scheduling)

10:30 – 12:00

Delay-and Cost-Aware Dynamic Service Migration in Collaborative Satellite Computing

Towards Efficient Scheduling in Large Clusters Leveraging the Small-World Network Model

A Dynamic Prioritization Task Offloading Strategy with Delay Constraints

Task Scheduling Strategy among Multiple Local Mobile Clouds in Pervasive Edge Computing

A Task Scheduling Strategy Based on Computing-Aware and Multi-Agent Collaborative Services in Pervasive Edge Computing

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| <p>Coding in Cache-Aided Wireless Networks</p> <p>Fast Adaptive Caching Algorithm for Mobile Edge Networks Based on Meta-Reinforcement Learning</p> | <p>Collaborative Vehicular Edge Cloud Computing Task Offloading Optimization Scheme Based on Deep Reinforcement Learning</p> |
| <p>Lunch 12:00 - 13:30</p> | |
| <p>Session 3 (Deep Learning and application) 13:30 – 15:50</p> <p>NL-ATD: Spatio-Temporal Few-Shot Learning via Attention Transfer and Denoising Model</p> <p>A GCN-based DRL Approach for task migration and resource allocation in Heterogeneous Edge-Cloud Environments</p> <p>A Multi-Document Summarization Method for Customer Feedback Based on Large Language Models</p> <p>KaRe: Towards Flexible and Effective Machine Unlearning with Knowledge Alignment and Repair</p> <p>SWGCNN-BiLSTM: A Method for Detecting Unknown Attack Traffic within Imbalanced Samples</p> <p>Two-stage workflow scheduling based on deep reinforcement learning</p> <p>GRASP-SLAM: Gmapping-augmented DRL for Active SLAM using Policy gradient</p> | <p>Session 4 (Deep Learning and application) 13:30 – 15:30</p> <p>WiLDID:Low-Collaboration WiFi-Based Person Identification Via A Lightweight Deep Neural Network</p> <p>Dialogue Summarization by Integrating Structural Features and Improving Factual Consistency through Post-Editing</p> <p>TransAware: An Automatic Parallel Method for Deep Learning Model Training with Global Model Structure Awareness</p> <p>A Reliability Enhancement Scheme for Distributed Cloud Service Systems Based on Deep Reinforcement Learning</p> <p>Contrastive Learning-Based Finger-Vein Recognition Using Frequency-Mixup Augmentation and Time-Frequency Feature Fusion</p> <p>BACE-RUL: A Bi-directional Adversarial Network with Covariate Encoding for Machine Remaining Useful Life Prediction</p> |
| <p>Coffee Break 15:30</p> | |
| <p>Session 5 (Blockchain applications) 16:00 – 17:20</p> <p>Enabling Authenticated Query Services on Multi-Dimensional Data in Collaborative Blockchain</p> | <p>Session 6 (Security and Privacy Protection) 15:40 – 17:20</p> <p>A Large-Scale Pretrained Model for Malicious URL Detection</p> |

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| <p>ORIC-Shard: A Scalable Blockchain Network with Sharding</p> <p>A blockchain-based approach to precise accountable resource sharing</p> <p>On and Off-chain Load Balancing Model Based on Stackelberg Game</p> | <p>CCAuth: Elevating Privacy and Security Elegance in a Continuous Covert Authentication Dance</p> <p>svRDMA: Securing an RDMA Network in Virtualization Environments</p> <p>S-TSG: Description Model of Transient Execution Attacks in Intel SGX</p> <p>FRBFT: A BFT Consensus Protocol Supporting Fault Removal for Industrial Internet of Things</p> |
| <p>Welcome banquet 17:30</p> | |

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| <p>Day 3 – 17 November, 2024</p> | |
| <p>ROOM A Di Shang Resort Hotel Dong Zha Halls 堤上东栅厅</p> | <p>ROOM B Di Shang Resort Hotel Xi Zha Halls 堤上西栅厅</p> |
| <p>Session 7 (Representation learning & Collaborative working) 8:30 – 10:30</p> <p>KAN-PPO: A Fast Convergence and Stable Proximal Policy Optimization Powered by Kolmogorovrnold Network</p> <p>ComplexAgents: Complex Code Generation Framework Based on Multi-Agents and Large Language Model</p> <p>Enhancing Molecular Property Prediction with Dual-Level Representation Learning</p> <p>Multi-Level Representation Learning with Neural Hawkes Process for Information Diffusion Prediction</p> <p>IoT-ILDI: Incremental Learning for Device Identification in IoT</p> <p>Worker-Quality Adaptive Task Assignment in Collaborative Crowdsourcing</p> | <p>Session 8 (Representation learning & Collaborative working) 8:30 – 10:30</p> <p>Towards Efficient Collaborative Data Transmission in JointCloud: A Dynamic Chunking Mechanism</p> <p>Critical Nodes Detection for Wireless Sensor Networks Based on Multi-Objective Optimization</p> <p>A Two-step Data Augmentation Method for Cross-lingual Sentiment Classification</p> <p>Load Balance Oriented Incentive Algorithm for Collaborative Scheduling on Intra-vehicle and Inter-vehicle</p> <p>An Enhanced STAR-RIS Air-Space Integrated Network with Collaborative Task Offloading</p> |

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| | FaCa: Fast Aware and Competition-Avoided Balancing for Data Center Network |
| Coffee Break 10:30 | |
| <p>Session 9 (Graph neural networks & Recommendation systems) 10:40 – 12:20</p> <p>Time-aware Recommendations with Motif-Enhanced Graph Learning</p> <p>Spatial-Temporal Graph Attention Networks Based on Novel Adjacency Matrix For Weather Forecasting</p> <p>Repository-Level Code Generation Method Enhanced by Context-Dependent Graph Retrieval</p> <p>DGSR: Dual-Graph Sequential Recommendation with Gated and Heterogeneous GNNs</p> <p>Disentanglement-enhanced User Representation via Domain-level Clusters for Cross-Domain Recommendation</p> | <p>Session 10 (Graph neural networks & Recommendation systems) 10:40 – 12:00</p> <p>Adaptive Web API Recommendation via Matching Service Clusters and Mashup Requirement</p> <p>Multi-channel Heterogeneous Graph Transformer based Unsupervised Anomaly Detection Model for IoT Time Series</p> <p>CBR-FIF: A Novel Dynamic Graph Node Embedding Computation Framework</p> <p>KG-ASI: A Knowledge Graph Enhanced Model-based Retriever for Document Retrieval</p> |
| Lunch 12:00 | |
| <p>Session 11 (Federated Learning and application) 13:30 – 14:50</p> <p>Free-rider Attack Based on Data-free Knowledge Distillation in Federated Learning</p> <p>Client-Oriented Energy Optimization in Clustered Federated Learning with Model Partition</p> <p>FedUDA: Towards a Novel Unfairness Distribution Attack against Federated Learning Models</p> <p>Mal-GAT: A Method to Enhance Malware Traffic Detection with Graph Attention Networks</p> | <p>Session 12 (Federated Learning and application) 13:30 – 14:30</p> <p>A Federated Learning Framework with Blockchain and Cache Pools for Unreliable Devices in a Cloud-Edge-End Environment</p> <p>Model Similarity based Clustering Federated Learning in Edge Computing</p> <p>A Privacy-Preserving Edge Caching Algorithm Based on Permissioned Blockchain and Federated Reinforcement Learning</p> |
| Coffee Break & Closing Ceremony | |