| Day 3 – November 16th, 2025 (Sunday) | | | |
|---|---|---|---|
| **Paper ID** | **Title** | **Meeting Room** | **Session Chair** |
| **1 AIoT For Smart Cities, Agriculture, and Forestry** | | | |
| 8 | TCAN-AgriCloud: A Cloud-Enabled IoT-Integrated Deep Learning Framework for Spatio-Temporal Crop Yield Prediction | Meeting Room 2 (1st Floor of Library) 2:00PM - 5:00PM | Arun Kumar Sangaiah |
| 19 | Quality of Experience Assessment of Cloud Storage Services in Smart Cities | | |
| 25 | Privacy-Aware Engagement Prediction via Federated Attention-LSTM in IoST and Digital Twin-Based Smart Heritage Tourism | | |
| 65 | A Personalized Smart Insole System for Plantar Pressure Monitoring and Balance Training | | |
| 96 | HRL-ViT: Human–Robot Collaborative Vision Transformer for AIoT-Enabled Leaf Disease Detection in Precision Agriculture | | |
| 103 | TwinSnake: A ZTN-Orchestrated Architecture for Secure AIoT Model Training with Digital Twins and Bio-Inspired Snake Learning in Smart Cities | | |
| 119 | Interpretable AI for Built Environment Digital twins: The Role of Tsetlin Machines | | |
| 139 | A Lyapunov Optimization Framework for Green Satellite Communications | | |
| 175 | Efficient Object Detection in Smart Cities Using a Lightweight DETR Model | | |
| 206 | SmartIntent: A Serverless LLM-Oriented Architecture for Intent-Driven Building Automation | | |
| 7 | Smart City IoT Security Approach through Fuzzy-Tuned Intelligent Edge-based Image Steganography | | |
| **2 Secure and Efficient Distriuted Machine Learning in Cloud Computing** | | | |
| Keynote Speech | **Human-in-the-Loop Learning: Taming Agency and Incentives for Smart Cities** **Lingjie Duan** | Meeting Room 3 (715 of Library) 2:00PM - 5:00PM | Runan Wang |
| 10 | Construction of Content Platform Data Analysis Model Based on Cloud Computing SOA | | |
| 28 | HERO: Hierarchical Efficient Reduction Optimization for Distributed Learning Systems | | |
| 112 | Multi-modal Feature Fusion Distance Gating 3D Imaging Based on Edge Computing | | |
| 126 | Communication-Efficient Scheduling for Cost- and Deadline-Aware Data Transfers in Support of Distributed Machine Learning | | |
| 130 | An Energy-Efficient Tree-Chain Data Sharing Scheme with NDN for UAV Networks | | |
| 193 | Deep Reinforcement Learning-Based Resource Allocation Method for Heterogeneous Satellite Networks | | |
| 210 | Cooperative Resource Optimization in Wireless Multi-UAV networks: A Teammate-Advisory Reinforcement Learning Approach | | |
| 222 | Combinatorial Multi-Armed Bandit-based Incentives in Privacy-Preserving Federated Crowdsourcing | | |
| 182 | Vectorization Of Narrow Matrix Multiplication for Ascend AI Inference Acceleration | | |
| **3 Sustainable Blockchain Systems on Distributed Clouds** | | | |
| Keynote Speech | **AI for Web3 Finance: Challenges and Opportunities** **Jiachi Chen** | Meeting Room 4 (802 of Library) 2:00PM - 5:00PM | Hongzhou Chen |
| 17 | Airdrop Hunter Detection via PageRank-Augmented Multimodal Graph Neural Networks | | |
| 30 | Byrd-Katyusha: Accelerated and Memory-Efficient Byzantine-Resilient Federated Learning | | |
| 55 | From Tweets to Trades: An Investigation into the Impact of NFT Project Twitters on Market Liquidity | | |
| 59 | No One Left Behind: Boosting Tail Labels via Dependency-aware Extreme Multi-label Learning | | |
| 104 | Scaling Efficiency and Incentive Mechanism Optimization in the Bitcoin Lightning Network | | |
| 184 | Blockchain-Enabled Pricing Mechanism in Energy Markets: Survey and Vision | | |
| 207 | Topology-Matched P2P Broadcasting Protocol: A Collaborative Optimization Solution for Blockchain CAP Trilemma | | |

| 4 Semantic Communication in Cloud Computing | | | |
|---|---|---|---|
| **Keynote Speech** | **Goal-Oriented Semantic Communications in the 6G Era**<br>**Nan Li** | Meeting Room 5<br>(536 of Main Building)<br>2:00PM - 5:00PM | Li Zhou |
| 5 | KAN-lite: Semantic Reasoning for Intent-Aware UAV Swarm Recovery in 6G Networks | | |
| 83 | SREC: Encrypted Semantic Super-Resolution Enhanced Communication | | |
| 84 | KGRAG-SC: Knowledge Graph RAG-Assisted Semantic Communication | | |
| 189 | A Lightweight Codebook-Assisted Semantic Communication Architecture for UAV Image Transmission | | |
| 197 | Semantic Communication for Efficient Housekeeping Telemetry Data Transmission in Satellite Networks | | |
| 280 | Channel-Adaptive Semantic Communication via SNR-Parameterized Diffusion Models | | |
| 5 Privacy and Security Mechanisms for Federated Learning in IoT Systems | | | |
| 26 | Spatial Distribution and Transport Patterns of Surface Sediments in Adjacent Nearshore and Offshore Waters of Xiangshan, East China Sea | Meeting Room 6<br>(544 of Main Building)<br>2:00PM - 5:00PM | Jingwei Li |
| 27 | A Taihu Lake Sediment Accumulation Prediction Model Based on Bi-LSTM and Causal Attention Mechanism | | |
| 34 | Flow-Aware Dynamic Fusion for Video Inpainting Detection | | |
| 37 | DAFN: A Robust Dual-Modal Framework for Online Video Source Platform Identification | | |
| 38 | Frequency-Enhanced Multi-Scale Progressive Detection for Document Image Manipulation | | |
| 302 | Privacy Preservation and Fair Payment Method Based on Blockchain and Federated Learning | | |
| 322 | AMAKA: A Blockchain-Fortified Framework for Anonymous Mutual Authentication and Key Agreement in IoT | | |
| 6 Affective Computing in Cloud-Edge Environments | | | |
| **Keynote Speech** | **Stance Detection in the LLM AGE**<br>**Ruifeng Xu** | Meeting Room 7<br>(1303 of Main Building)<br>2:00PM - 5:00PM | Shijie Zhang |
| 141 | A High-Order Semantic Text Sentiment Analysis Model Based on BERT and Hypergraph Dual Attention | | |
| 181 | Optimizing Data Center Resource Management: A Comparative Study of Virtual Machine and Container Orchestration Tools | | |
| 212 | Agentic AI for Knowledge Graph Construction and Evolution in Cloud-Edge Federated Environments | | |
| 300 | Performance Evaluation and Analysis of LLMs for Detecting Dangerous Speech in Emotional Disorder Data | | |
| 40 | A Hybrid Interoperability Reference Model for Multi-Cloud and Edge Computing Environments | | |