

## Day 1 – Oct, 15, 2022

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| <b>Day 1 – Oct, 15, 2022</b>   |   |
| <p><b>9:00 – 9:30      <u>Opening session</u></b></p> <p><b>9:30 – 10:20      Keynote Speech</b><br/>         Prof. Kun Yang, University of Essex, UK<br/> <b>Title:</b> Computation in Modern Mobile Communication Networks</p>   | <p><b>ROOM A</b><br/> <b>ID: 456-5586-2672</b><br/> <b>Password: 202210</b></p>   |
| <p><b>ROOM A</b><br/> <b>ID: 456-5586-2672</b><br/> <b>Password: 202210</b></p>  | <p><b>ROOM B</b><br/> <b>ID: 632-7591-7002</b><br/> <b>Password: 202210</b></p>   |
| <p><b>Session1 (Federated Learning and application)</b><br/> <b>10:30 – 12:10</b></p> <p>FedFR: Evaluation and Selection of Loss Functions for Federated Face Recognition</p> <p>FedCL: An Efficient Federated Unsupervised Learning for Model Sharing in IoT</p> <p>Edge Federated Learning for Social Profit Optimality: A Cooperative Game Approach</p> <p>MetaEM: Meta Embedding Mapping for Federated Cross-Domain Recommendation to Cold-Start Users</p> <p>A Reliable Service Function Chain Orchestration Method Based on Federated Reinforcement Learning</p> | <p><b>Session2 (Edge Computing &amp; Collaborative working)</b><br/> <b>10:40 – 12:10</b></p> <p>A Context-aware Approach to Scheduling of Multi-Data-Source Tasks in Mobile Edge Computing</p> <p>Secure and Private Coding for Edge Computing against Cooperative Attack with Low Communication Cost and Computational Load</p> <p>Availability-Constrained Application Deployment in Hybrid Cloud-Edge Collaborative Environment</p> <p>EBA: An Adaptive Large Neighborhood Search-based Approach for Edge Bandwidth Allocation</p> <p>System Completion Time Minimization with Edge Server Onboard Unmanned Vehicle</p> |
| <p><b>Session3(Edge Computing &amp; Collaborative working)</b><br/> <b>13:30 – 15:10</b></p> <p>An approach to the Synchronization</p>   | <p><b>Session4(Recommendation System)</b><br/> <b>13:30 – 15:10</b></p> <p>A Negative Sampling-based Service</p>  |

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| <p>of Dynamic Complex Network<br/>Combining Degree Distribution and<br/>Eigenvector Criteria</p> <p>An Energy-Saving Strategy for 5G<br/>Base Stations in Vehicular Edge<br/>Computing</p> <p>An efficient scheduling strategy for<br/>containers based on Kubernetes</p> <p>NOMA-Based Task Offloading and<br/>Allocation in Vehicular Edge<br/>Computing Networks</p> <p>A Collaborative Graph<br/>Convolutional Networks and<br/>Learning Styles Model For Courses<br/>Recommendation</p>  | <p>Recommendation Method</p> <p>A flow prediction model of bike-sharing based<br/>on cycling context</p> <p>Knowledge Graph Enhanced Web API<br/>Recommendation via Neighbor Information<br/>Propagation for Multi-service Application<br/>Development</p> <p>Expertise-oriented Explainable Question<br/>Routing</p> <p>An API Recommendation Method based on<br/>Beneficial Interaction</p>  |
| <p><b>Session5(Blockchain applications)<br/>15:30 – 17:10</b></p> <p>FAV-BFT:An Efficient File<br/>Authenticity Verification Protocol<br/>for Blockchain-based File-Sharing<br/>System</p> <p>Incentive Mechanism Design for<br/>Uncertain Tasks in Mobile Crowd<br/>Sensing Systems Utilizing Smart<br/>Contract in Blockchain</p> <p>Research on the Update Method of<br/>CP-ABE Access Control Strategy<br/>based on Smart Contract</p> <p>Effective Blockchain-based<br/>Asynchronous Federated Learning<br/>for Edge-computing</p> <p>One-Time Anonymous<br/>Certificateless Signcryption Scheme<br/>Based on Blockchain</p> | <p><b>Session6(Security and Privacy Protection)<br/>15:30 – 17:10</b></p> <p>A Novel Risk Assessment Method Based on<br/>Hybrid Algorithm for SCADA</p> <p>A Visual Tool for Interactively Privacy<br/>Analysis and Preservation on Order-Dynamic<br/>Tabular Data</p> <p>Prevention of GAN-based Privacy Inferring<br/>Attacks towards Federated Learning</p> <p>ACS: An Efficient Messaging System With<br/>Strong Tracking-resistance</p> <p>A Privacy-Preserving Lightweight Energy<br/>Data Sharing Scheme based on Blockchain for<br/>Smart Grid</p> |

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| <b>Day 2– Oct, 16, 2022</b>  |   |
| <b>ROOM A</b><br><b>ID: 456-5586-2672</b><br><b>Password: 202210</b>   | <b>ROOM B</b><br><b>ID: 632-7591-7002</b><br><b>Password: 202210</b>  |
| <p><b>Session7 (Security and Privacy Protection)</b><br/><b>8:30 – 10:10</b></p> <p>Anti-Clone: A Lightweight Approach for RFID Cloning Attacks Detection</p> <p>Dynamic Trust-Based Resource Allocation Mechanism for Secure Edge Computing</p> <p>A Stochastic Gradient Descent Algorithm Based on Adaptive Differential Privacy</p> <p>Evading Encrypted Traffic Classifiers by Transferable Adversarial Traffic</p> <p>A Secure Auction Mechanism for Task Allocation in Mobile Crowdsensing</p> | <p><b>Session8 (Edge Computing &amp; Collaborative working)</b><br/><b>8:30 – 10:10</b></p> <p>Analysis of the Impact of Structural Holes on the Value Creation in Service Ecosystems</p> <p>AtNet: A Novel Anti-tracking Network with Multi-party Judgement Capability based on Cross-domain Small-world Topology</p> <p>Learning Dialogue Policy Efficiently Through Dyna Proximal Policy Optimization</p> <p>Self-Gated FM: Revisiting the Weight of Feature Interactions for CTR Prediction</p> <p>Heterogeneous Graph Neural Network-based Software Developer Recommendation</p> |
| <p><b>Session9 (Deep Learning and application)</b><br/><b>10:30 – 12:10</b></p> <p>A Pareto-Efficient Task-Allocation Framework based on Deep Reinforcement Learning Algorithm in MEC</p> <p>An Adaptive Ensembled Neural Network-based Approach to IoT Device Identification</p> <p>Fine-grained Head Pose Estimation</p>   | <p><b>Session10 (Collaborative working)</b><br/><b>10:30 – 12:10</b></p> <p>Semantic SLAM for mobile robot with Human-In-the-Loop</p> <p>Incorporating Feature Labeling into Crowdsourcing for More Accurate Aggregation Labels</p> <p>Cost Performance Driven Multi-Request Allocation in D2D Service Provision Systems</p> <p>Collaborative Mobile Edge Computing</p>   |

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| <p>Based on 6D Rotation Representation with Multi-regression Loss</p> <p>Purpose Driven Biological Lawsuit Modeling and Analysis Based on DIKW</p> <p>Research on Depth-adaptive Dual-arm Collaborative Grasping Method</p>  | <p>through UPF Selection</p> <p>Deep Reinforcement Learning for Multi-UAV Exploration under Energy Constraints</p>   |
| <p><b>ROOM A</b><br/> <b>ID: 456-5586-2672</b><br/> <b>Password: 202210</b></p>  | <p><b>ROOM B</b><br/> <b>ID: 632-7591-7002</b><br/> <b>Password: 202210</b></p>  |
| <p><b>Session11(Collaborative working)</b><br/> <b>13:30 – 15:10</b></p> <p>Optimization of Large-Scale Knowledge Forward Reasoning Based on OWL 2 DL Ontology</p> <p>ITAR: A Method for Indoor RFID Trajectory Automatic Recovery</p> <p>A Longitudinal Measurement and Analysis of Pink, a Hybrid P2P IoT Botnet</p> <p>VT-GAT: A Novel VPN Encrypted Traffic Classification Model Based on Graph Attention Neural Network</p> | <p><b>Session12(Images processing and recognition)</b><br/> <b>13:30 – 15:10</b></p> <p>Landmark Detection Based on Human Activity Recognition for Automatic Floor Plan Construction</p> <p>Facial Action Unit Detection by exploring the weak relationships between AU labels</p> <p>An improved dual-subnet lane line detection model with a channel attention mechanism for complex environments</p> <p>Facial Expression Recognition Based on Deep Spatio-temporal Attention Network</p> |