

QSHINE 2023 SCHEDULE

2023/10/8 Morning

8:30

Opening Session

9:00--9:15

Welcome (Main Venue, 9th Floor)

9:15-10:00

Keynote Speech 1 (Main Venue, 9th Floor)

10:00-10:45

Keynote Speech 2 (Main Venue, 9th Floor)

10:45-11:15

Coffee Break and Take Group Photos in Lobby on 1st Floor

**E-Health
Networks I**

11:15-11:30 Presentation

Conf. Rm 2 336024 Transfer Learning for Audio-based Speech Emotion Recognition in Chinese: Leveraging Pretrained Models for Improved Performance

11:30-11:45 Presentation

Conf. Rm 2 335833 Optimal Design of Hydraulic Fracturing Simulation Experiments for In-situ Stress Measurement

11:45-12:00 Presentation

Conf. Rm 2 336043 sentiment analysis based on social media — Early stress and depression detection

11:15-11:30 Presentation

Conf. Rm 1 335792 Automatic Depression Detection Using Attention-Based Deep Multiple Instance Learning

11:30-11:45 Presentation

Conf. Rm 1 337018 Analysis of Factors Related to Anxiety and Depression in Medical Students

11:45-12:00 Presentation

Conf. Rm 1 336050 Structural health monitoring of carbon fiber composite lamination using electrical resistance

11:15-11:30 Presentation

Main Venue 338486 Identification of Economic Factors for Mass Depression Based on Panel Study and Machine Learning

11:30-11:45 Presentation

Main Venue 336984 Review of Sleep Monitoring Research based on Wireless Sensor

11:45-12:00 Presentation

Main Venue 337000 Understanding Obsessive-Compulsive Disorder Through Human Skin Textures

2023/10/8 Afternoon

15:00-15:45

Keynote Speech 3 (Main Venue, 9th Floor)

15:45-16:15

Coffee Break

**Transportation
Networks I**

16:15-16:30 Presentation

Conf. Rm 2 335419 Design and implementation of traffic flow prediction model based on short and long time memory network

16:30-16:45 Presentation

Conf. Rm 2 335039 Research on Traffic Sign Image Recognition Algorithms under Complex Weather Conditions

16:45-17:00 Presentation

Conf. Rm 2 334927 Deep Neural Network based on Sparse Auto-encoder for Road extraction

17:00-17:15 Presentation

Conf. Rm 2 336171 DECS: A Decentralized and Efficient Cross-chain Scheme in IoT System

	17:15-17:30 Presentation	Conf. Rm 2 335317 Enhancing IoT Security in Smart Grids with Quantum-Resistant Hybrid Encryption (QRHE-IoT): A Comprehensive Study
	17:30-17:45 Presentation	Conf. Rm 2 334538 "IoT Security Threats, Attack Defense and Attack Detection Analysis: A Review
	17:45-18:00 Presentation	Conf. Rm 2 334109 Artificial Intelligence model based security protection method for IoT applications
Reliability and Scalability	16:15-16:30 Presentation	Conf. Rm 1 337472 Research on String Stability in Vehicle Cooperative Control under Cyber-attack Conditions
	16:30-16:45 Presentation	Conf. Rm 1 337341 Detection and Tracking of UAVs: A Cellular-System-Assisted Architecture
	16:45-17:00 Presentation	Conf. Rm 1 336037 Wireless Charging Based Sensor Network Information Collection through Unmanned Aerial Vehicles (UAVs)
	17:00-17:15 Presentation	Conf. Rm 1 336200 Task Prediction based Computation Offloading over multi-UAV MEC network
	17:15-17:30 Presentation	Conf. Rm 1 336032 Bandwidth Resource Allocation and Uplink Optimization in MEC system based on Multi-UAV Collaboration
	17:30-17:45 Presentation	Conf. Rm 1 338450 Visible Light Two-way Communication Method for Vehicle-road Collaboration
	17:45-18:00 Presentation	Conf. Rm 1 336000 Studies on Vehicle Object Detection and Tracking in UAV Aerial Data
E-Health Networks II	16:15-16:30 Presentation	Main Venue 336292 Investigating the EEG Embedding by Visualization
	16:30-16:45 Presentation	Main Venue 336123 Identifiable EEG Embeddings by Contrastive Learning from Differential Entropy Features
	16:45-17:00 Presentation	Main Venue 336126 Contrastive Learning Consistent and Identifiable Latent Embeddings for EEG
	17:00-17:15 Presentation	Main Venue 334048 SEVGGNet-LSTM: a fused deep learning model for ECG classification
	17:15-17:30 Presentation	Main Venue 336035 Fast Convergence Federated Learning with Adaptive Gradient: an Application to Mental Healthcare Monitoring System
	17:30-17:45 Presentation	Main Venue 336201 A System Based on COTS UWB for Human Motion Perception

	17:45-18:00 Presentation	Main Venue 338463 Skeleton Prototype Contrastive Learning with Multi-Level Graph Relation Modeling for Unsupervised Person Re-Identification
	2023/10/9 Morning	
	8:30	Opening Session
	9:00-9:45	Keynote Speech 4 (Main Venue, 9th Floor)
	9:45-10:05	Coffee Break
Artificial Intelligence and Machine Learning I	10:05-10:20 Presentation	Conf. Rm 2 333981 Research on Handover Technology for 5G LEO Satellite Network based on ns-3
	10:20-10:35 Presentation	Conf. Rm 2 337340 Deep Transfer Learning Empowered 5G-Enabled Smart City
	10:35-10:50 Presentation	Conf. Rm 2 337336 Joint Delay and Energy Optimization for WPT-MEC System Based on Immune Algorithm
	10:50-11:05 Presentation	Conf. Rm 2 337137 An Abnormal Detection Method based on the Device Interaction Behavior in the Internet of Things
	11:05-11:20 Presentation	Conf. Rm 2 336748 A QoS and Load Balancing Prediction Model Based on LSTM and Random Forest Regression in SDN Network
	11:20-11:35 Presentation	Conf. Rm 2 336286 Extraction of frequently active areas of ships based on advanced grid density peak clustering
	11:35-11:50 Presentation	Conf. Rm 2 336197 Trusted Personalized Federated Learning based on Differential Privacy
Networks and Applications I	10:05-10:20 Presentation	Conf. Rm 1 335987 An Online Big-Data Driven Design of Reading and Writing Test
	10:20-10:35 Presentation	Conf. Rm 1 335699 Research on Feature Extraction and Recognition of Inverter Fault Data Based on Neural Networks
	10:35-10:50 Presentation	Conf. Rm 1 337182 Short Text Data Mining Based on Incremental AP Clustering
	10:50-11:05 Presentation	Conf. Rm 1 336536 A Novel Method for Semantic Segmentation on Lidar Point Clouds
	11:05-11:20 Presentation	Conf. Rm 1 336392 Forward Secure Searchable Encryption over Medical Cloud Data
	11:20-11:35 Presentation	Conf. Rm 1 336323 Wireless Network Topology Discovery Based on Spectrum Data by Convolutional Neural Network

	11:35-11:50 Presentation	Conf. Rm 1 336203 Semi-Supervised Learning based Trust Evaluation for Underwater Wireless Sensor Networks
Networks and Applications II	10:05-10:20 Presentation	Main Venue 336541 Application and optimization of blockchain technology in supply chain
	10:20-10:35 Presentation	Main Venue 336547 Use blockchain technology to improve the efficiency of school asset management
	10:35-10:50 Presentation	Main Venue 336545 The application and value of blockchain technology in enterprise digital transformation
	10:50-11:05 Presentation	Main Venue 336041 RPBFT: A Scalable Consensus Mechanism for Large Blockchain Systems
	11:05-11:20 Presentation	Main Venue 336026 KNN-based Collaborative Filtering for Fine-Grained Intelligent Grad-School Recommendation System
	11:20-11:35 Presentation	Main Venue 336019 Load Balancing of Software-Defined Networking Based on Particle Swarm Optimization
	11:35-11:50 Presentation	Main Venue 335597 An improved genetic algorithm for college course scheduling
	2023/10/9 Afternoon	
Artificial Intelligence and Machine Learning II	14:00-14:15 Presentation	Conf. Rm 2 336199 TGDSN: Cross-domain Aero-engine Remaining Useful Life Prediction Based on Temporal Graph Domain Separation Networks
	14:15-14:30 Presentation	Conf. Rm 2 336195 Unsupervised Multi-Source Dynamic Domain Adaptation for Bearing Fault Diagnosis
	14:30-14:45 Presentation	Conf. Rm 2 336058 Research on a High Efficiency Work Flow for Automated Mail Sending
	14:45-15:00 Presentation	Conf. Rm 2 336005 Solving Traveling Salesman Problem with Deep Reinforcement Learning and Knowledge Distillation
	15:00-15:15 Presentation	Conf. Rm 2 336004 Wireless Parallel Reinforcement Learning An Actor-Critic Approach
	15:15-15:30 Presentation	Conf. Rm 2 335950 Proactive Hybrid Autoscaling for Container-based Edge Applications in Kubernetes
	15:30-15:45 Presentation	Conf. Rm 2 335698 Hybrid Platoon Control Based on Driving Characteristics
	14:00-14:15 Presentation	Conf. Rm 1 336051 Application of variable fractional Scott-Blair model in the deformation of PDMS composite materials

Robustness	14:15-14:30 Presentation	Conf. Rm 1 336023 Research and design of hidden trouble target reconfirmation and repeated hidden trouble target filtering technology in transmission line online monitoring
	14:30-14:45 Presentation	Conf. Rm 1 336020 UCAT: User Centric Adaptive Transmission for Meeting Diverse Network Demands
	14:45-15:00 Presentation	Conf. Rm 1 335919 A new rolling bearing work condition monitoring method based on Back Propagation network
	15:00-15:15 Presentation	Conf. Rm 1 336086 Vectorized Colorization of Icon Line Art Based on Closed Contour Extraction
	15:15-15:30 Presentation	Conf. Rm 1 334510 SOH Prediction in Lithium-ion Battery Energy Storage System in Power Energy Network
	15:30-15:45 Presentation	Conf. Rm 1 334038 Adaptive Control Scheme for Clustering of Nodes Based on the Signs of Connections in Dynamical Signed Networks
Network Security and Privacy	14:00-14:15 Presentation	Main Venue 336033 Entrofuse: Clustered Federated Learning through Entropy Approach
	14:15-14:30 Presentation	Main Venue 336018 M2F: Multi-Center Fairness-Aware Federated Learning Framework
	14:30-14:45 Presentation	Main Venue 335914 Federated Learning Optimization Algorithm based on Dynamic Client Scale
	14:45-15:00 Presentation	Main Venue 335362 Enhancing Task Efficiency in Vehicular Fog Computing: Leveraging Mobility Prediction and Min-Max Optimization for Reduced Latency
	15:00-15:15 Presentation	Main Venue 335341 Cyber Physical System modeling and analysis in typical scenarios based on the theory of autonomous transportation system
	15:15-15:30 Presentation	Main Venue 334017 Research on domain specific Chinese named Entity Recognition based on RTBC algorithm
	15:30-15:45 Presentation	Main Venue 333866 A multi-factor water quality prediction method based on wavelet transform and LSTM
	15:45-16:15	Coffee Break
Quality of Service (QoS) and Quality of Experience (QoE)	16:15-16:30 Presentation	Conf. Rm 1 336022 Optimizing Computing Job Scheduling and Path Planning with Multi-Objectives
	16:15-16:30 Presentation	Conf. Rm 1 333842 Research on Task Scheduling Algorithms for Cloud-Edge Collaboration
	16:30-16:45 Presentation	Conf. Rm 1 333824 Stress Analysis of Welding Seam of Throttling Flowmeter Used in Power Plant Boiler
	16:45-17:00 Presentation	Conf. Rm 1 333819 An Improved Model for Sap Flow Prediction based on Linear Trend Decomposition

	17:00-17:15 Presentation	Conf. Rm 1 333755 Prediction of the Short-term PM2.5 Concentration Based on Informer
	17:15-17:30 Presentation	Conf. Rm 1 333316 Monte Carlo Reinforcement Learning for Cooperative Spectrum Sensing in Decision Fusion
Artificial Intelligence and Machine Learning III	16:15-16:30 Presentation	Main Venue 336011 Research on Fine-Grained Classification of Small Sample Marine Organism Images
	16:15-16:30 Presentation	Main Venue 335995 A Dual Attention-based Task Offloading Approach in Computing Power Networks for Object Detection
	16:30-16:45 Presentation	Main Venue 335868 Dual-Branch Differentiated Similarity Network for Semi-Supervised Medical Image Segmentation
	16:45-17:00 Presentation	Main Venue 335374 PIDNet: Prohibited Items Detection Network and Fine-Coarse Encoder Module
	17:00-17:15 Presentation	Main Venue 335334 Multiple People Tracking Based on Improved SiameseFC Combined with Lightweight YOLO-V4
	17:15-17:30 Presentation	Main Venue 335035 Research on Image Stitching for Parking Assistance System,
	17:30-17:45 Presentation	Main Venue 335962 Unsupervised Multi-Source Adaptive Pedestrian Re-recognition: Based on Target Domain Prioritization and Multi-Dimensional Edge Features
18 : 30-20 : 30	Closing Ceremony and Dinner (No.1 Dining Hall)	