The Advance Program of the 21st International Conference on Mobility, Sensing and Networking (MSN 2025)

Track 1: Mobile & Wireless Sensing and Networking

T1-1: UAV trajectory finding

(Session Chair: Prof. Pengzhan Zhou)

Title: Hybrid Routing for UAV Swarms with Free-Space Optical and Radio Frequency Links

Xiang Li (Nanjing University of Aeronautics and Astronautics, China)

Xiaojun Zhu (Nanjing University of Aeronautics and Astronautics, China)

Chao Dong (Nanjing University of Aeronautics and Astronautics, China)

Title: K-ViFSSO: An Hierarchical Jamming-Resilient Trajectory Design Scheme for UAV-Aided ECNs

Xingchen Wei (Academy of Military Science, China)

Jinshu Su (National University of Defense Technology, China)

Congxi Song (Academy of Military Science, China)

Title: 3D Obstacle-Avoiding Trajectory Design for Data Collection and Worst-Case Secure Transmission in UAV Networks

Xiongyu Zhong (Southwest University, China)

Yang Yang (Southwest University, China)

Cheng Zhan (Southwest University, China)

Liang Liu (Chongqing University of Posts and Telecommunications, China)

Pengya Duan (Southwest University, China)

T1-2: Machine learning for mobile objects

(Session Chair: Prof. Yuben Qu)

Title: DRL-Based Dynamic Multi-Modal Network Handover for Low-Altitude UAVs

Junhui Mi (Nanjing University of Aeronautics and Astronautics, China)

Yuben Qu (Nanjing University of Aeronautics and Astronautics, China)

Min Zhang (Nanjing University of Posts and Telecommunications, China)

Chao Dong (Nanjing University of Aeronautics and Astronautics, China)

Lei Zhang (Nanjing University of Aeronautics and Astronautics, China)

Qihui Wu (Nanjing University of Aeronautics and Astronautics, China)

Title: Deep Reinforcement Learning based Multi-Robot Search for Mobile Targets

Shujin Ye (Guang Dong Polytechnic Normal University, China)

You Li (Guang Dong Polytechnic Normal University, China)

Hai Liu (The Hang Seng University of Hong Kong, Hong Kong)

Title: Draft2Fine: Autonomous Driving Trajectory Prediction via Graph Initialization and Diffusion Correction

Kaixin Gao (Chongqing University, China)

Pengzhan Zhou (Chongqing University, China)

Fang Qu (Chongqing University, China)

Ziyi Li (Chongqing University, China)

Youyu Luo (Chongqing University, China)

Li Gao (Chongqing University, China)

T1-3: *Neural network-based machine learning applications*

(Session Chair: Prof. Zheng Yang)

Title: Attention-Driven CNN-Transformer Fusion Network Architecture for End-to-End Hybrid Precoding in FDD Massive MIMO-OFDM Systems

Peilun Jia (Beijing Jiaotong University, China)

Haoran Yang (Beijing Jiaotong University, China)

Yuyang Ke (Beijing Jiaotong University, China)

Xiaofei Di (Beijing Jiaotong University, China)

Xiaoping Che (Beijing Jiaotong University, China)

Title: ConaVSR: A Content-aware and Adaptive Super-resolution for energy-effective Video Surveillance

Shuhong Zhang (University of Electronic Science and Technology of China, China)

Linqi Liu (University of Electronic Science and Technology of China, China)

Xinyan Wang (University of Electronic Science and Technology of China, China)

Rong Cong (Southwest Jiaotong University, China)

Zhiwei Zhao (University of Electronic Science and Technology of China, China)

Title: Federated Learning–Based Cooperative Caching for 6G Small Cell Networks

Guowei Wu (Dalian University of Technology, China)

Zhaolong Zheng (Dalian University of Technology, China)

Xiaoying Xu (Hebei Vocational University of Technology and Engineering, China)

Sessi Alida Gbeto (Dalian University of Technology, China)

Track 2: Edge Computing, IoT and Digital Twins

T2-1: Machine learning model-based inference services

(Session Chair: Prof. Weifa Liang)

Title: Mulreact: Dynamic Token Reactivation for Efficient Multi-Turn LLM Inference on Resource constrained Devices

Qingfeng He (Tsinghua University, China)

Zhui Zhu (Tsinghua University, China)

Xu Wang (Tsinghua University, China)

Title: Generalization-Aware Distributed Minimax Optimization for Large-Scale Models on Resource-Limited Devices

Mingyi Li (Shandong University, China)

Xiao Zhang (Shandong University, China)

Yuan Yuan (Shandong University, China)

Yifei Zou (Shandong University, China)

Shaoyong Guo (Beijing University of Posts and Telecommunications, China)

Xiuzhen Cheng (Shandong University, China)

Dongxiao Yu (Shandong University, China)

Title: Maximizing Profit for Delay-Sensitive DNN Inference in Edge Computing with GNN and Reinforcement Learning

Juan Fang (Beijing University of Technology, China)

Jianbin Ma (Beijing University of Technology, China)

Nan He (Beijing University of Technology, China)

Ziyi Teng (Beijing University of Technology, China)

Yaxin An (Beijing University of Technology, China)

T2-2: Resource optimization in edge computing

 (Session Chair: Prof. Qiufen Xia)

Title: A Reliable and Interpretable Data Augmentation Framework for Predicting Power Grid States

Zhengrui Su (Shandong University, China)

Shuolin Zhang (Shandong University, China)

Pengfei Song (State Grid Xinjiang Electric Power Co., Ltd, China)

Pengpeng Kang (State Grid Xinjiang Electric Power Co., Ltd, China)

Jiongcheng Yan (Shandong University, China)

Wenhui Zhai (State Grid Xinjiang Electric Power Co., Ltd, China)

Guowei Fan (State Grid Xinjiang Electric Power Co., Ltd, China)

Defu Liu (State Grid Xinjiang Electric Power Co., Ltd, China)

Mengbai Xiao (Shandong University, China)

Dongxiao Yu (Shandong University, China)

Title: The Optimization of Container Cold Start Latency in Serverless Computing by Nested Architecture

Luqi Sun (Dalian University of Technology, China)

Qiufen Xia (Dalian University of Technology, China)

Zhen Feng (Jinan Inspur Data Technology Co., Ltd, China)

Title: Short Video Cooperative Caching at the Mobile Edge via Collaborative Filtering and Bankruptcy Game

Lin Yao (Dalian University of Technology, China)

Xinyu Chu (BYD Company Limited, China)

Xiaoxiong Zhong (Peng Cheng Laboratory, China)

Zhaolong Zheng (Dalian University of Technology, China)

Guowei Wu (Dalian University of Technology, China)

T2-3: Resource allocation in edge computing

  (Session Chair: Prof. Bo Gu)

Title: TSHRL: Adaptive Caching and Pricing in Mobile Edge Computing without User-Sensitive Information

Xingyuan Hu (Sun Yat-sen University, China)

Yiming Chen (Sun Yat-sen University, China)

Chengwu You (Sun Yat-sen University, China)

Shimin Gong (Sun Yat-sen University, China)

Bo Gu (Sun Yat-sen University, China)

Title: Geometry-Targeted Joint Multipath Separation and Localization for Robust Multipath-assisted Indoor Positioning

Ning Li (Xiamen University, China)

Ao Peng (Xiamen University, China)

Xuemin Hong (Xiamen University, China)

Title: DTCR: Enhancing Unsupervised Sentence Representations via Dual-Track Cognitive Reasoning

Jun Feng (Hohai University, China)

Haiyue Tong (Hohai University, China)

Jiamin Lu (Hohai University, China)

Xueyi Liu (Hohai University, China)

Track 3: Security, Privacy, Trust and Blockchain

T3-1: LLM based Security and Privacy

(Session Chair: Prof. Fan Xu)

Title: An Efficient and Secure Certificateless Aggregate Signature Scheme for VANETs

Zhen Huang (Harbin Institute of Technology Shenzhen, China)

Jie Zhao (Southwest Petroleum University, China)

Chonglin Gu (Harbin Institute of Technology Shenzhen, China)

Yinxing Zhang (Kunming University of Science and Technology, China)

Hejiao Huang (Harbin Institute of Technology Shenzhen, China)

Title: LLM-RD: Multi-Dimensional Lightweight Ransomware Detection Using LLMs Based on Kernel-Level Events

Fan Xu (Shanghai Jiao Tong University, China)

Yating Gao (State Grid Information & Telecommunication Co., Ltd., China)

Wei Hu (State Grid Information & Telecommunication Co., Ltd., China)

Xiao Yang (Shanghai Jiao Tong University, China)

Jin Pang (State Grid Information & Telecommunication Co., Ltd., China)

Gaolei Li (Shanghai Jiao Tong University, China)

Jianhua Li (Shanghai Jiao Tong University, China)

Title: VoS: Practical Verifiable Voting with Trustless Aggregation and Minimal On-chain Footprint

Ge Gao (Harbin Institute of Technology, China)

Haining Yu (Harbin Institute of Technology, China)

T3-2: Machine Learning based Security

(Session Chair: Prof. Philippe Lalanda)

Title: SGSAD: Semantic-Aware and Graph-Based Successful Attack Detection for Real-World Alert Reduction

Jing Zhao (Chinese Academy of Sciences; University of Chinese Academy of Sciences, China)

Xi Huang (Chinese Academy of Sciences; University of Chinese Academy of Sciences, China)

Wei Wan (Chinese Academy of Sciences; University of Chinese Academy of Sciences, China)

Yawei Liu (Chinese Academy of Sciences; University of Chinese Academy of Sciences, China)

Guanyao Du (Chinese Academy of Sciences; University of Chinese Academy of Sciences, China)

Chen Zhang (Chinese Academy of Sciences; University of Chinese Academy of Sciences, China)

Chun Long (Chinese Academy of Sciences; University of Chinese Academy of Sciences, China)

Title: Clover: A Collaborative In-Network Framework for Real-Time Link-Flooding Attack Detection and Traceback

Di Wang (Zhejiang University, China)

Jiayu Luo (Zhejiang University, China)

Xinyue Jiang (Zhejiang University, China)

Xun Zhou (Zhejiang University, China)

Yutong Sun (Harbin University of Science and Technology, China)

Zijiao Zou (Chinese Academy of Social Sciences, China)

Title: Dual-Layer Index for Efficient Traceability Query of Spatiotemporal Keyword Transactions in Supply Chains Based on Blockchain

Xiliang Pang (Inner Mongolia University, China)

Meiju Yu (Inner Mongolia University, China)

Dan Qin (Inner Mongolia University, China)

Pantong Wang (Inner Mongolia University, China)

Guiquan Zheng (Inner Mongolia University, China)

Bo Wu (Inner Mongolia University, China)

T3-3: Authentication and attack detection based on federated learning frameworks

(Session Chair: Prof. Fan Xu)

Title: ActiveTrap: Leveraging AI Agents and Federated Graph Learning for Active APT Trapping

Yi Xie (Shanghai Jiao Tong University, China)

Xiao Yang (Shanghai Jiao Tong University, China)

Xiaoyu Yi (Shanghai Xiaoyuan Innovation Center, China)

Guihua Gu (Shanghai Xiaoyuan Innovation Center, China)

Xiuzhen Chen (Shanghai Jiao Tong University, China)

Gaolei Li (Shanghai Jiao Tong University, China)

Jianhua Li (Shanghai Jiao Tong University, China)

Title: EMVFLR: Efficient Multi-Party Vertical Federated Linear Regression in Smart Grid

Haiquan Liang (Guilin University of Electronic Technology, China)

Changsong Yang (Guilin University of Electronic Technology, China)

Zhen Liu (Guilin University of Electronic Technology, China)

Yueling Liu (Guilin University of Electronic Technology, China)

Ruwen Zhao (Guilin University of Electronic Technology, China)

Yong Ding (Guilin University of Electronic Technology, China)

Title: Authentication and Secure Aggregation for Federated Learning with Dual Servers

Yinghui Zhang (Xi'an University of Posts and Telecommunications, China)

Yida Wang (Xi'an University of Posts and Telecommunications, China)

Jiangang Shu (Guangzhou University, China)

Wei Liu (Xi'an University of Posts and Telecommunications, China)

Hongyan Di (Xi'an University of Posts and Telecommunications, China)

T3-4: Attack detections

(Session Chair: Prof. Emil Robert Kaburuan)

Title: ECDMD: Effective Continuous Detection for Malicious DoH in Low-Positive-Rate Environments

Mingyu Huang (Chinese Academy of Sciences, China)

Ning Li (Chinese Academy of Sciences, China)

Zekai Song (State Grid Shandong Information & Telecommunication Company, China)

Yunpeng Li (Chinese Academy of Sciences, China)

Dan Du (Chinese Academy of Sciences, China)

Yuling Liu (Chinese Academy of Sciences, China)

Dongxu Han (Chinese Academy of Sciences, China)

Title: BLADE: Behavior-Level Anomaly Detection Using Network Traffic in Web Services

Zhibo Dong (Zhengzhou University, China)

Yong Huang (Zhengzhou University, China)

Shubao Sun (Zhengzhou University, China)

Wentao Cui (Zhengzhou University, China)

Zhihua Wang (Zhengzhou University, China)

Title: PCShield:A Deep Detection Model for Smart Contract Ponzi Schemes Based on Multimodal Code Representation Fusion

Tong Sun (University of Jinan, China)

Youqiang Sun (University of Jinan, China)

Zhenxiang Chen (University of Jinan, China)

Yeqing Ren (University of Jinan, China)

Chenyang Liang (University of Jinan, China)

T3-5: Attack detection

(Session Chair: Prof. Weifa Liang)

Title: XLedger: A Scalable Data Synchronization Protocol for Multi-chain Weak Consistency Scenarios

Delong Li (Tianjin University, China)

Xiulong Liu (Tianjin University, China)

Liyuan Ma (Tianjin University, China)

Hao Xu (Tianjin University, China)

Keqiu Li (Tianjin University, China)

Title: RDD: Real-time Dynamic Detection of APT Attacks Based on Provenance Graph Matching

Yuzhang Tian (Taiyuan University of Technology, China)

Guohua Xin (Tianjin University, China)

Cong Wang (Tianjin University of Science and Technology, China)

Tuoyu Chen (Tianjin University, China)

Yuebin Wei (Tianjin University of Science and Technology, China)

Jianhua Wang (Taiyuan University of Technology, China)

Title: A Novel Framework for Detecting Third-Party Libraries with Mitigation of Deceptive Code Reuse

Shengjia Chang (Beijing University of Posts and Telecommunications, China)

Baojiang Cui (Beijing University of Posts and Telecommunications, China)

Shaocong Feng (Beijing University of Posts and Telecommunications, China)

Haoran Yu (Beijing University of Posts and Telecommunications, China)

T3-6: Machine learning based information encryption

(Session Chair: Prof. Shunquan Tan)

Title: EMI-Agent: A Cognitive Agent for Natural-Language-Guided Exploration of Sensor Electromagnetic Vulnerabilities

Shuoyang Liu (Chinese Academy of Sciences, China)

Shichao Lv (Chinese Academy of Sciences, China)

Haoyu Liu (Chinese Academy of Sciences, China)

Shiquan Dong (Chinese Academy of Sciences, China)

Weidong Zhang (Chinese Academy of Sciences, China)

Zhi Li (Chinese Academy of Sciences, China)

Limin Sun (Chinese Academy of Sciences, China)

Title: Prompt-Free Steganography: Utilizing Conditional Diffusion Model for Secure Message Hiding

Ruihuan Wang (Shenzhen University, China)

Hongji Liu (Shenzhen City Polytechnic, China)

Shunquan Tan (Shenzhen MSU-BIT University, China)

Title: SpiralSeer: A Stage-Wise Risk Prediction Framework for Algorithmic Stablecoins in DeFi

Minrui Wu (Huazhong University of Science and Technology, China)

Jiang Xiao (Huazhong University of Science and Technology, China)

T3-7: Security-aware applications

(Session Chair: Prof. Philippe Lalanda)

Title: A Unified Knowledge-Driven Framework for Encrypted DNS Threat Awareness

Qiming Bao (Harbin Institute of Technology, China)

Hao Tang (Harbin Institute of Technology, China)

Jiawei Yan (Harbin Institute of Technology, China)

Hui He (Harbin Institute of Technology, China)

Weizhe Zhang (Harbin Institute of Technology, China)

Hongwei Yang (Harbin Institute of Technology, China)

Title: A BFT Protocol with Adaptive Cyber Defense for UAV-Enabled Permissioned Blockchains

Zhun Zhang (Sun Yat-sen University, China)

Han Wang (Peng Cheng Laboratory, China)

Xin Yang (China University of Petroleum (East China), China)

Wenyuan Yang (Sun Yat-sen University, China)

Zhenwei Xiao (Peking University, China)

Hui Li (Peking University, China)

Title: Ensuring Security and Availability in Dynamic Vehicle Platooning: A Dual-Detection Vehicle Platooning Service Offloading Algorithm

Hanzhi Chang (University of International Relations, China)

Xin Tang (University of International Relations, China)

Jing Bai (University of International Relations, China)

Yingying Yao (Beijing Jiaotong University, China)

Jiangang Shu (Guangzhou University, China)

Yixiang Wang (The First Research Institution of Ministry of Public Security of PRC, China)

T3-8: Security protocols

(Session Chair: Prof. Emil Robert Kaburuan)

Title: FIADD: Intelligent Attack Detection and Defense in FANET

Yuan Zhao (Beijing University of Posts and Telecommunications, China)

Xu Zhang (Beijing University of Posts and Telecommunications, China)

Dongbin Wang (Beijing University of Posts and Telecommunications, China)

Title: DSCO: Boosting Transferability of Adversarial Attacks on Face Recognition

Yihang Wang (Nanjing University of Science and Technology, China)

Zhichao Lian (Nanjing University of Science and Technology, China)

Title: SMPC-Enhanced ALADIN for Privacy-Preserving Distributed OPF

Xihui Liang (Qilu University of Technology (Shandong Academy of Sciences), China)

Chensheng Liu (Qilu University of Technology (Shandong Academy of Sciences), China)

Xin Wang (Qilu University of Technology (Shandong Academy of Sciences), China)

Ming Yang (Qilu University of Technology (Shandong Academy of Sciences), China)

Xiaoming Wu (Qilu University of Technology (Shandong Academy of Sciences), China)

Track 4: Big Data and AI

T4-1: LLM tuning and inference

(Session Chair: Prof. Jie Wu)

Title: Insight Rumors: A Novel Fine-grained Rumor Detection Model

Bin Ma (Qilu University of Technology, China)

Yifei Zhang (Qilu University of Technology, China)

Jian Xu (Shandong University of Finance and Economics, China)

Qi Li (Qilu University of Technology, China)

Linna Zhou (Beijing University of Posts and Telecommunications, China)

Gongxun Miao (Zhongfu Information Co., Ltd., China)

Title: Memory-Efficient On-Device Fine-Tuning of LLMs with Dual-Adapter Side Networks

Yuchu Chen (Hohai University, China)

Tianfu Pang (Hohai University, China)

Jiawen Xue (Hohai University, China)

Yanyan Wang (Hohai University, China)

Yingchi Mao (Hohai University, China)

Xiaoming He (Nanjing University of Posts and Telecommunication, China)

Jie Wu (Temple University, United States)

Title: Efficient LLMs Inference via Similarity-Aware KV Cache Merging with Bias Calibration

Yukai Cheng (Hohai University, China)

Wenxuan Zhou (Hohai University, China)

Zhizhou Li (Hohai University, China)

Zhihao Qu (Hohai University, China)

Baoliu Ye (Nanjing University, China)

T4-2: Machine learning

(Session Chair: Prof. Elliott Wen)

Title: Mind the Gap: Revealing Inconsistencies Across Heterogeneous AI Accelerators

Elliott Wen (The University of Auckland, New Zealand)

Sean Ma (The University of Auckland, New Zealand)

Evan Tempero (The University of Auckland, New Zealand)

Bruce Sham (The University of Auckland, New Zealand)

Yousong Sun (The University of Auckland, New Zealand)

Hong Jia (The University of Auckland, New Zealand)

Daniel Luo (The Hong Kong Polytechnic University, Hong Kong)

Jiayi Hua (The Hong Kong Polytechnic University, Hong Kong)

Jens Dietrich (Victoria University of Wellington, New Zealand)

Kaiqi Zhao (Harbin Institute of Technology, China)

Jiaxing Shen (Lingnan University, Hong Kong)

Title: Unsupervised Concept Drift Detection via Generative Distribution Alignment

Haowen Tan (Guangdong University of Technology, China)

Shuaishuai Tan (Guangdong University of Technology, China)

Jiaxiong Chen (Guangdong University f Technology, China)

Title: MSTA: Multi-Scale Spatio-Temporal Attention Network with Intention-Aware Fusion for Vehicle Trajectory Prediction

Renlong Zheng (Chang'an University, China)

Jianhui Zhang (Chang'an University, China)

Xiaofei Wu (Chang'an University, China)

Yanan Yu (Chang'an University, China)

Xuan Liu (Chang'an University, China)

Chen Mu (Chang'an University, China)

T4-3: Big data analytics

   (Session Chair: Prof. Zhifang Liao)

Title: ODS-Net: Orthogonal Disentangled Synergy Network for Multimodal Cancer Survival Prognosis

Weilan Zhang (Chang'an University, China)

Yanan Yu (Chang'an University, China)

Xiaofei Wu (Chang'an University, China)

Jianhui Zhang (Chang'an University, China)

Chen Mu (Chang'an University, China)

Shumei Liu (Chang'an University, China)

Title: BRAIN: A Cross-Network Correlation Analysis Method

Zhifang Liao (Central South University, China)

Zhenyu Yang (Central South University, China)

Rong Zhang (University of Defense Technology, China)

Yucheng Song (Central South University, China)

Title: Adaptive Feature-Similarity Clustered for Federated Learning under Extreme Data Heterogeneity

Peng Liu (Guangxi Normal University, China)

Kaicheng Peng (Guangxi Normal University, China)

Peng Wang (Guangxi Normal University, China)

Taizhi Su (Guangxi Normal University, China)

T4-4: Transformer based learning

((Session Chair: Prof. Zhihao Qu)

MCKG: Advancing Attack Knowledge Graph Construction via Multi-Source Cross-Modal Threat Intelligence

Xiaoming Wu (Qilu University of Technology (Shandong Academy of Sciences), China)

Zedong Shen (Qilu University of Technology (Shandong Academy of Sciences), China)

Chao Mu (Qilu University of Technology (Shandong Academy of Sciences), China)

Ming Yang (Qilu University of Technology (Shandong Academy of Sciences), China)

Xin Wang (Qilu University of Technology (Shandong Academy of Sciences), China)

Title: Two-Stage Image Deraining with Transformer-Based Hybrid Multi-Scale Feature Fusion

Xiaofen Wang (Wuhan City Polytechnic, China)

Zhihong Sun (Naval Engineering University, China)

Ming Cheng (Wuhan City Polytechnic, China)

Shigang Wang (Wuhan City Polytechnic, China)

Mithun Mukherjee (Birla Institute of Technology and Science, Dubai Campus, United Arab Emirates)

Title: Flow Enhanced Dual Transformer for Video Inpainting

Peng Zhang (Chaohu University, China)

Yang Bai (Durham University, United Kingdom)

Jie Su (Zhejiang Univerisity of Technology, China)

Lin Zhou (Zhejiang Polytechnic University of Mechanical and Electrical Engineering, China)

Yujie Weng (Hangzhou Yiyi Fabric, China)

Bingzhang Hu (Chinese Academy of Sciences, China)

Yang Long (Durham University, United Kingdom)

Track 6: AIoT, Crowd Sensing & Computing

T6-1: Smart City and edge intelligence

    (Session Chair: Prof. Yao Zhang)

Title: Freshness-Aware and Cost-Efficient Continual Learning for Multi-Scene AI Services via End-Edge-Cloud Collaboration

Jiaxi Wang (Huazhong University of Science and Technology, China)

Rui Wang (Huazhong University of Science and Technology, China)

Long Hu (Huazhong University of Science and Technology, China)

Min Chen (South China University of Technology, Pazhou Laboratory, China)

Title: Towards Versatile Human-Machine Collaboration: Multi-Dimensional Preference Learning via Gaussian Bandits

Yao Zhang (Northwestern Polytechnical University, China)

Liang Wang (Northwestern Polytechnical University, China)

Zhiwen Yu (Harbin Engineering University, Northwestern Polytechnical University, China)

Hui Wang (Harbin Engineering University, China)

Jiaqi Liu (Northwestern Polytechnical University, China)

Bin Guo (Northwestern Polytechnical University, China)

Title: Imitating human behavior to annotate key points for yak

Zhijiang Chen (Southwest Minzu University, China)

Fei Wang (Southwest Minzu University, China)

Lijun Yang (Southwest Minzu University, China)

Jiabo Wang (Southwest Minzu University, China)

Wei Zhou (Southwest Minzu University, China)

Dongming Tang (Southwest Minzu University, China)

T6-2: Machine Learning for predictions

(Session Chair: Prof. JeongGil Ko)

Title: CVaR-Quantified Risk Perception for Explainable End-to-End Motion Planning

Tengyun Luo (Northwestern Polytechnical University, China)

Junteng Liu (Northwestern Polytechnical University, China)

Yunji Liang (Northwestern Polytechnical University, China)

Bin Guo (Northwestern Polytechnical University, China)

Zhiwen Yu (Northwestern Polytechnical University, China)

Title: DLQP: A Dual-Branch Neural Network for Volatility-Aware LoRa Link Quality Prediction

Jingyao Liu (Beijing University of Posts and Telecommunications, China)

Yu Fan (Beijing University of Posts and Telecommunications, China)

Yucheng Zhang (Beijing University of Posts and Telecommunications, China)

Xiaolong Zheng (Beijing University of Posts and Telecommunications, China)

Liang Liu (Beijing University of Posts and Telecommunications, China)

Pengjin Xie (Beijing University of Posts and Telecommunications, China)

Title: Passive Gait Recognition using RFID in Frequency-Hopping Spread Spectrum

Weiping Zhu (Wuhan University, China)

Wanli Huang (Wuhan University, China)

Yingchi Feng (Wuhan University, China)

T6-3: Wireless Communication

   (Session Chair: Prof. Jiadi Yu)

Title: Toward mmWave-based 360 degree Human Skeleton Reconstruction

Shangda Sui (Shanghai Jiao Tong University, China)

Haoran Cao (Shanghai Jiao Tong University, China)

Jiadi Yu (Shanghai Jiao Tong University, China)

Title: Robust Mapping of Virtual Anchors in Multipath Propagation for Bandwidth-Limited Single-Antenna Systems

Yu Qin (Xiamen University, China)

Ao Peng (Xiamen University, China)

Xuemin Hong (Xiamen University, China)

Title: Joint Optimization of Beamforming and Reflection in Commensal Symbiotic Radio Networks

Lumin Ye (Zhejiang University of Technology, China)

Yanjun Li (Zhejiang University of Technology, China)

Yuzhe Chen (Zhejiang University of Technology, China)

Chung Shue Chen (Nokia Bell Labs, France)