

IEEE Workshop on Advanced Techniques in Synergetic Digital Twins and Pervasive Intelligence for ISAC in Next-Gen Vehicular Networks

Date & Time: October 19, 2025 14:00 – 15:30

Venue: InterContinental Century City Hotel

Address: No. 88 CENTURY CITY BOULEVARD, Chengdu, Sichuan, China

Room: Shu San Room

Program Schedule:

Time	Program
13:55-14:00	Opening Remarks (Workshop Co-chairs)
14:00-14:15	Paper Presentation 1 (virtual) <i>Authors:</i> Ahmed Hmdan, Fatma Gamal, Assuit University; Mostafa Korashy, Mahmoud Elsaadany, Ghyslain Gagnon, Mohamed Cheriet, École de technologie supérieure Univeristy of Québec <i>Title:</i> Deep Active Learning-based Jamming Detection in Wireless IoT Networks
14:15-14:30	Paper Presentation 2 <i>Authors:</i> Tongzhou Yang, College of Communication Engineering, Jilin University; Qihao Li, Chongyang Guo, Mingyang Wang, Chao Liang, Jilin University; Hui Liang, Dongguan University of Technology <i>Title:</i> Digital Twin-enabled Intelligent Congestion Control for QUIC-based E2E Communication
14:30-14:45	Paper Presentation 3 <i>Authors:</i> Shaolong Zheng, Shanhao Zhan, Xiamen University; Zhibin Gao, Jimei University; Lianfen Huang, Xiamen University. <i>Title:</i> Energy Efficiency in 6G Native AI Networks: Task Schedule based on NOMA Transmission
14:45-15:00	Paper Presentation 4 <i>Authors:</i> Meihui Hua, Qixing Wang, Guangyi Liu, Tianjiao Chen, Juan Deng, Na Li, China Mobile Research Institute; Jiangzhou Wang, University of Kent; Tao Chen, MediaTek Inc. <i>Title:</i> HGSTA: Leveraging Hypergraph Computing for Effective Collaborative Perception Feature Fusion
15:00-15:15	Paper Presentation 5 <i>Authors:</i> Jixiang Wang, Fengye Hu, Zhuang Ling, Jilin University. <i>Title:</i> NOMA for Self-Powered Sensor in HSR Communication Systems: Intelligent Decision-Making and Resource Optimization
15:15-15:30	Paper Presentation 6 <i>Authors:</i> Tariq Qayyum, United Arab Emirates University; Asad Waqar Malik, Mississippi State University,; Asadullah Tariq, United Arab Emirates University; Mohamed Adel Serhani, University of Sharjah; Zouheir Trabelsi, United Arab Emirates University. <i>Title:</i> Optimizing Post-Quantum Secure Communication via DLBased KEM Selection in VANETs
15:30	Closing Remarks (Workshop Co-Chairs)

Workshop Organizers:

General Co-chairs:

Yu Cheng, Illinois Institute of Technology	Tom H. Luan, Xi'an Jiaotong University	Fengye Hu, Jilin University
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TPC Co-chairs:

Qihao Li, Jilin University	Qiang (John) Ye, University of Calgary, Canada	Hongliang Zhang, Peking University
Mushu Li, Lehigh University	Yanglong Sun, Jimei University	Zhuang Ling, Jilin University

Workshop Publicity Co-chairs:

Junling Li, Southeast University	Haixia Peng, Xi'an Jiaotong University
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