

The following sessions have an updated session chair

4J: Intelligent Driving and Sensing

New Chair is **Richard Capraru**, Nanyang Technological University and A*STAR

V8: Transportation and Vehicles

New Chair is **Daohong Shen**, Tsinghua University

The following papers have moved to the virtual program.

Satellite Networks I

Optimizing Aerial Nodes Placement for Minimized Outage in Satellite-Ground FSO Links

Neha Tiwari, Swades De, Indian Institute of Technology Delhi; Dharmaraja Selvamuthu, IIT Delhi

Moved to V10-7

Optimizing Heterogeneous Data Transmission under Narrow Time Windows in Space-Air Networks: A Game-Theoretic Matching Approach

Bingda Wu, Hui Yang, Qiuyan Yao, Zhe Niu, Sentian Yin, Beijing University of Posts and Telecommunications; Buzheng Wei, China Unicom Research Institute; Jie Zhang, Beijing University of Posts and Telecommunications

Moved to V10-8

Satellite Networks III

Physical Layer Security Enhancement for Satellite Downlink Transmission via Hybrid RIS

Yuhang Li, Guocheng Lv, School of Electronics, Peking University, Beijing, China.; Ye Jin, School of Electronics, Peking University

Moved to V7-8

Transportation Systems

Data Requirements for Tire-Road Monitoring: A Roadmap for Data Collection, Processing, and Decision Making

Mustafa Demetgül, Jiawen Meng, Sanja Lazarova-Molnar, Karlsruhe Institute of Technology; Alexey Vinel, Karlsruhe Institute of Technology

Moved to V8-7

Advanced Techniques in Communication I

Joint Power Allocation and Beamforming for 6G ISAC Systems against Multipath Interference

Hanglong Chen, Bingpeng Zhou, Wen Zhan, Sun Yat-sen University; Jiahuan Wang, South China Normal University; Xiaoyang Li, Shenzhen Research Institute of Big Data; You Li, Wuhan University; Zheng Yang, Southwest Jiaotong University

Moved to V0-10

RIS I

Uplink Transmission of Low-Rate Local RIS Data Using Orthogonal Polarizations

Fumin Wang, Nanjing University of Posts and Telecommunications; Hao Huang, Nanjing University of Posts and Telecommunications; Guan Gui, Nanjing University of Posts and Telecommunications; Marco Di Renzo, CentraleSupélec, Paris-Saclay University; Hikmet Sari, Nanjing University of Posts and Telecommunications

Moved to V0-7

Beamforming/Channel Modelling

Heterogeneous Array Based XL-MIMO Channel Sounder: OTA Calibration and Field Validation for 6G Urban Scenarios

Zeyu Li, Chongqing University of Posts and Telecommunications

Moved to V0-3

Low-Complexity Beamforming Design for Null Space-based Simultaneous Wireless Information and Power Transfer Systems

Cheng Luo, University of Electronic Science and Technology of China; Jie Hu, University of electronic science and technology of China; Luping Xiang, University of Electronic Science and Technology of China; Kun Yang, University of Essex

Moved to V11-9

Off-to-In Body Channel Modeling for a Practically Feasible Energy Efficient Implantable BAN

Sameeksha Chaudhary, Anirudh Agarwal, The LNM Institute of Information Technology, Jaipur; Deepak Mishra, University of New South Wales (UNSW) Sydney; Santosh Shah, The LNM Institute of Information Technology, Jaipur

Moved to V12-8

RIS, M-MIMO, Beamforming and Channel Estimation

Differential Modulation-Based Beamforming for Full-Duplex SIMO Systems

Zhentaoy Zhang, Harbin Institute of Technology (Shenzhen); Fu-Chun Zheng, Harbin Institute of Technology (Shengzhen) & The University of York

Moved to V0-2

Near-Field Beamforming for IRS-Assisted Secure Wireless Powered Communication Network

Han Shuai, Jiahang Xu, Chenyu Wu, Chenguang He, Weixiao Meng, Harbin Institute of Technology

Moved to V7-9

Preamble-based Successive Channel Estimation for Multiuser Massive MIMO LoRaWAN with Asynchronous Packets

Khai The Nguyen, Ebrahim Bedeer, University of Saskatchewan

Moved to V0-6

Advanced Techniques in Communication II

Performance Analysis of RSRP Measurement for Low Power Synchronization Signal

Xiuju Lv, Beijing University of Posts and telecommunications; Congxi Liu, Hang Long, Beijing University of Posts and Telecommunications

Moved to V0-5

IoT and MTC II

CPLoRa: Parallel LoRa Backscatter Communications Compatible with Commodity LoRa Receivers

Zelong Li, Shimin Gong, Lanhua Li, Sun Yat-sen University; Bin Lyu, Nanjing University of Posts and Telecommunications; Feng Li, Shandong University; Dusit Niyato, Nanyang Technological University

Moved to V0-8

Experience-Driven Spatial-Temporal Graph Attention for Clustering IoT Traffic in Wireless Networks

Hongyi Zheng, Beijing Institute of Technology; Che Chen, Bo Gu, Lanhua Li, Sun Yat-sen University; Bin Lyu, Nanjing University of Posts and Telecommunications; Shimin Gong, Sun Yat-sen University

Moved to V11-8

Security and Privacy II

Dual-Domain Constraints: Designing Covert and Efficient Adversarial Examples for Secure Communication

Tailai Wen, Da Ke, Xiang Wang, Zhitao Huang, National University of Defense Technology

Moved to V5-8

Network Performance I

Cloud-Edge-End Collaborative Surveillance Video Transmission with Object-Guided Video Super-Resolution

Wenwen Zhou, Yiping Duan, Xiaoming Tao, Weikun Kong, Qiyuan Du, Tsinghua University

Moved to V5-9

Network Performance II

Research on Optimal Coding Rates of Polar Codes in BEC

Mengyao Li, Jiaqi Li, Beijing Jiaotong University of Electronic and Information Engineering

Moved to V2-9

Advanced Techniques in Communication III

A Scattering-aware Point Cloud Neural Network (SPointNet) Driven Propagation Graph Method for Time-Varying Indoor Channel Modeling

Haoyu Yin, Institute of Computing Technology; Hanxiao Yu, Chinese Academy of Sciences; Jinglin Shi, Institute of Computing Technology, Chinese Academy; Yiqing Zhou, Chang Liu, Institute of Computing Technology; Ningzhe Shi, University of Chinese Academy of Sciences; Haiwei Shi, Institute of Computing Technology, Chinese Academy of Sciences

Moved to V0-9

Advanced Techniques in Communication IV

GRTD-Net: Lightweight Convolutional Neural Network for Gesture Recognition on Terminal Device

Haoyu Yin, Institute of Computing Technology; Hanxiao Yu, Chinese Academy of Sciences; Jinglin Shi, Institute of Computing Technology, Chinese Academy; Yiqing Zhou, Chang Liu, Institute of Computing Technology; Ningzhe Shi, University of Chinese Academy of Sciences; Haiwei Shi, Institute of Computing Technology, Chinese Academy of Sciences

Moved to V4-9

Aerial Networks

Joint Method for XPIC, Equalization and IQ Imbalance Compensation in Space-Air-Ground Broadband Dual-Polarized Systems

Haoran Wang, Shili Wang, Gen Luo, Qi He, Yezhou Lu, Kai Yang, Beijing Institute of Technology

Moved to V10-9

Security and Privacy III

Detection and Mitigation of False Data Injection in Cooperative Vehicular Scenarios

Luis Javier Puente Lam, Cister Research Centre/ISEP; Pedro M. Santos, Universidade de Aveiro, CISTER Research Centre; Luis Almeida, FEUP - Universidade do Porto, Portugal

Moved to V5-7

Satellite, Aerial, and V2X

Fuzzy Logic Based Decoupling under Full-Duplex in Cellular-Connected UAV Communications

Lifeng Lai, Harbin Institute of Technology (Shenzhen); Fu-Chun Zheng, Harbin Institute of Technology (Shengzhen) & The University of York

Moved to V3-8

Waveform Design and Modulation

Improved Initial Time Synchronization for OTFS

Yu-Hsuan Huang, Wei-Ting Lin, National Taiwan University; Wei-Chang Chen, National Taipei University of Technology; Char-Dir Chung, National Taiwan University

Moved to V2-8

Communication Hardware and Data Processing

A Near-Field Source Localization Algorithm Based on Fast Fourier Transform

Chao Zhu, Southeast University

Moved to V0-1

Security and Privacy V

Anomaly Detection in Real-Time Networks Using Asynchronous Traffic Shaping

Philipp Meyer, Teresa Lübeck, Timo Häckel, Franz Korf, Thomas Schmidt, Hamburg University of Applied Sciences

Moved to V1-8

Aerial and Vehicular Networks I

A Blockchain-Based Reputation-Enhanced Vehicle Selection (REVS) for Computation Offloading

Sharifah Fayi, University of Sussex; Ferheen Ayaz, City University; Zhengguo Sheng, University of Sussex

Moved to V8-8

Autonomous and Cooperative Driving

Importance of Intent-Sharing for V2X-based Maneuver Coordination

Rafael Molina-Masegosa, Universidad Miguel Hernandez de Elche (UMH); Sergei S. Avedisov, Toyota North America R&D - InfoTech Labs; Miguel Sepulcre, Javier Gozálviz, Universidad Miguel Hernandez de Elche (UMH); Yashar Zeinyali Farid, Toyota North America R&D - InfoTech Labs; Onur Altintas, Toyota Motor North America R&D

Moved to V8-9

PPO-Meta-Aided Real-Time Path-Planning Optimization for Autonomous Driving Systems

Estifanos Tilahun Mihret, National Taiwan University of Science and Technology; Huei-Wen Ferng, National Taiwan University of Science and Technology

Moved to V6-8

Resource Allocation and Scheduling IV

Joint Power and Bandwidth Optimization in CoMP-Enabled URLLC Networks Under Imperfect CSI

Yunan Guo, Harbin Institute of Technology (Shenzhen); Fu-Chun Zheng, Harbin Institute of Technology (Shenzhen) & The University of York; Bing Shi, Harbin Institute of Technology (Shenzhen)

Moved to V0-4

Network Performance II

Synthetic Wi-Fi Fingerprint Generation Using a Diffusion Probabilistic Model

Imangali Zhumangali, Shinnazar Seytnazarov, Nazarbayev University

Moved to V5-10

Beamforming/MIMO/mmWave

A CNN-LSTM Based Beam Tracking Scheme for Next-generation Sub-7GHz and mmWave Integrated Wi-Fi Networks

Yangyang Lv, Li Yan, Xuming Fang, Southwest Jiaotong University; Liuming Lu, Chaoming Luo, Guangdong OPPO Mobile Telecommunications Corp

Moved to V9-10

Resource Allocation and Scheduling IV

IBR-MAPPO-based Task Offloading in Space-Air-Ground Integrated Vehicular Networks

Zixuan Liao, Nanjing University of Post and Telecommunications; Bo Xu, Nanjing University of Posts and Telecommunications; Haotong Cao, The Hong Kong Polytechnic University; Zixuan Shu, Jinlong Sun, Haitao Zhao, Nanjing University of Posts and Telecommunications

Moved to V3-9

The following papers have moved to a different session.

Satellite Networks I

Scalable Grid-Based Design of Highway-in-the-Sky Networks with OD-Agnostic Optimization Airborne and Maritime Mobile Systems and Services

Li Zhang, Bhagyashri Tushir, New Global Systems; Yogesh Dalal, Carnegie Mellon University

Moved from 1E-3 to 7B-5

Resource Allocation and Scheduling II

Low-Latency Relay Selection for Ocean Monitoring in Buoy-Based Maritime Wireless Networks

Hanni Yu, Lijia Wang, Yi Zhang, Yinchao Chen, Xiamen University

Moved from 7I-4 to 2B-4

Communication Hardware and Data Processing

A LoRa Radio Frequency Fingerprint Extraction Scheme Against Variable Channel Characteristics

Yanbing Chen, Aiqun Hu, Linning Peng, Jiangtao Wang, Tianshu Chen, Southeast University

Moved from 4F-1 to 7F-1

The following papers have been withdrawn.

Characterization of Doppler Shift for Links Between LEO Satellites and High-Speed Railways Airborne and Maritime Mobile Systems and Services

Jiachi Zhang, School of Police Information, Shandong Police College; Dongmei Liu, Shandong Police College; LiuLiu, Beijing Jiaotong University; Lu Li, Tongji University; Rongchen Sun, Harbin Engineering University; Kai Wang, Beijing Jiaotong University