WCSP 2026

The 18th International Conference on
Wireless Communications and Signal Processing

Shenzhen, China | Nov. 12-14, 2026

CONFERENCE PROGRAM



WELCOME MESSAGE

On behalf of the executive committee, it is our great pleasure to invite you to participate in the 2026 International Conference on Wireless Communications and Signal Processing (WCSP 2026), which will be held in Shenzhen, China, during November 12-14, 2026.

WCSP is an annual International Conference on Wireless Communications and Signal Processing (WCSP). The aim of the conference is to provide an international forum that brings together researchers from academia and practitioners from industry to exchange advances in recent research work on all aspects of wireless communications and signal processing. With the support of all participants, the past seventeen events of the conference have been very successful. We are now organizing WCSP 2026, the eighteenth edition of the conference. You are cordially welcome to participate in and contribute to the conference in your valuable role.

Shenzhen is a testament to explosive growth. Once a small fishing village, it transformed into a global tech hub after becoming China's first Special Economic Zone in 1980. Today, it's known as the "Silicon Valley of Hardware," home to giants like Huawei and Tencent. The city blends futurism with tradition, where sleek skyscrapers stand alongside ancient villages. Its essence is a dynamic, innovative, and entrepreneurial spirit, attracting dreamers worldwide. Shenzhen embodies relentless progress and is a cornerstone of the Greater Bay Area, constantly shaping the future.

Thank you. Look forward to welcoming you in Shenzhen in November 2026!

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Organizers

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Symposium 1: AI/ML for Next-Generation Wireless Systems

Symposium Co-Chairs:

- **Xiao Chen,** Nanjing University of Information Science and Technology
- **Pengcheng Guo,** National Key Laboratory on Test and Evaluation for ElectroMagnetic Space Security
- **Huiyun Xia,** Nanjing University of Posts and Telecommunications

Symposium 2: Integrated Sensing, Communication, and Computing

Symposium Co-Chairs:

- **Sai Xu,** University College London
- **Zuohong Xu,** National University of Defense Technology
- **Ziyi Gong,** Purple Mountain Laboratories

Symposium 3: IoT and Massive Connectivity in 5G-Advanced and 6G

Symposium Co-Chairs:

- **Zijun Gong,** Hong Kong University of Science and Technology (GZ)
- **Jian Dang,** Southeast University
- **Jichong Guo,** Suzhou University of Science and Technology

Symposium 4: Wireless Access Technologies and Signal Processing

Symposium Co-Chairs:

- **Ruoyu Su,** Nanjing University of Posts and Telecommunications
- **Jinbao Zhang,** Beijing Jiaotong University
- **Tianming Ma,** Shanghai University of Engineering Science

Symposium 5: Network Architecture, Softwarization, and Management

Symposium Co-Chairs:

- **Ruofei Ma,** Harbin Institute of Technology (Weihai)
- **Bingying Wang,** Nanjing University of Information Science and Technology
- **Yuxiang Hu,** Information Engineering University

Symposium 6: Edge Intelligence, Computing, and Caching

Symposium Co-Chairs:

- **Junhui Zhao,** Beijing Jiaotong University
- **Xinyue Ni,** Shanghai Institute of Technical Physics, Chinese Academy of Sciences
- **Chuiyang Meng,** University of British Columbia
- Qifa Yan, Southwest Jiaotong University

Symposium 7: Security, Privacy, and Trust in Wireless Networks

Symposium Co-Chairs:

- **Zhangjie Peng,** Shanghai Normal University
- **Junjun Wang,** Beihang University
- **Deyue Zou,** Dalian University of Technology

Symposium 8: High-Frequency and Optical Wireless Communications

Symposium Co-Chairs:

- **Bingcheng Zhu,** Southeast University
- **Ziyuan Shi,** King Abdullah University of Science & Technology
- **Ru-Han Chen,** National University of Defense Technology

Symposium 9: Integrated Space-Air-Ground Networks

Symposium Co-Chairs:

- **Zhi Lin,** National University of Defense Technology
- **Heng Liu,** Beijing Institute of Technology
- **Wenbin Sun,** Northwestern Polytechnical University

Symposium 10: Green and Sustainable Wireless Technologies

Symposium Co-Chairs:

- **Yin Xu,** Shanghai Jiao Tong University
- **Wanlong Zhao,** Harbin Institute of Technology (Weihai)
- **Nuo Huang,** University of Science and Technology of China

Symposium 11: Emerging Applications and Systems Experiments

Symposium Co-Chairs:

- **Tao Jiang,** Huazhong University of Science and Technology
- **Ji Chen,** Southeast University
- **Zhaoyang Wang,** Zhengzhou University

Symposium 12: Reconfigurable Wireless Technologies and Fluid Antenna Systems

Symposium Co-Chairs:

- **Zhihao Jiang,** Southeast University
- **Xuanli Wu,** Harbin Institute of Technology
- **Hao Jiang,** Southeast University

Symposium 13: Recent Advances in Low Altitude Wireless System

Symposium Co-Chairs:

- **Weidang Lu,** Zhejiang University of Technology
- **Sheng Zhou,** Tsinghua University
- **Nan Zhao,** Dalian University of Technology

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International Advisory Committee Chair

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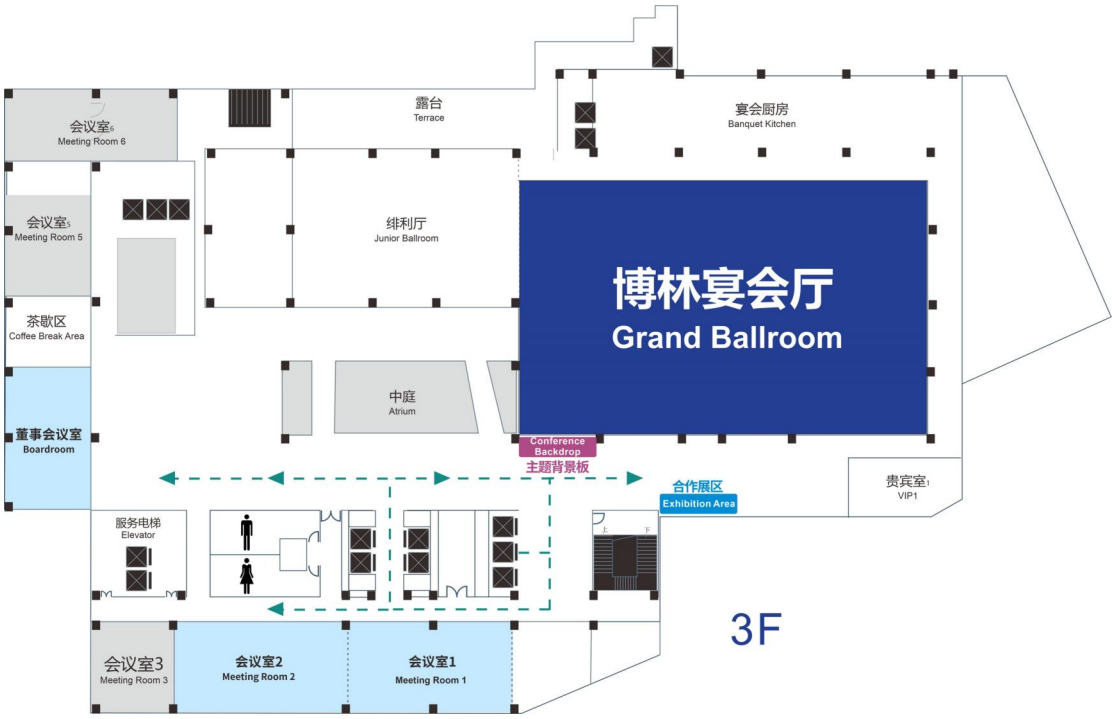
CONFERENCE VENUE

Sheraton Shenzhen Nanshan（深圳博林天瑞喜来登酒店）

Address: No 4088 Liuxian Boulevard, Nanshan District, Shenzhen, Guangdong, China

地址：深圳市南山区留仙大道 4088 号

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Junior Ballroom
博林宴会厅
Grand Ballroom
茶歇区
Coffee Break Area
中庭
Atrium
董事会议室
Boardroom
Conference Backdrop
主题背景板
合作展区
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VIP1
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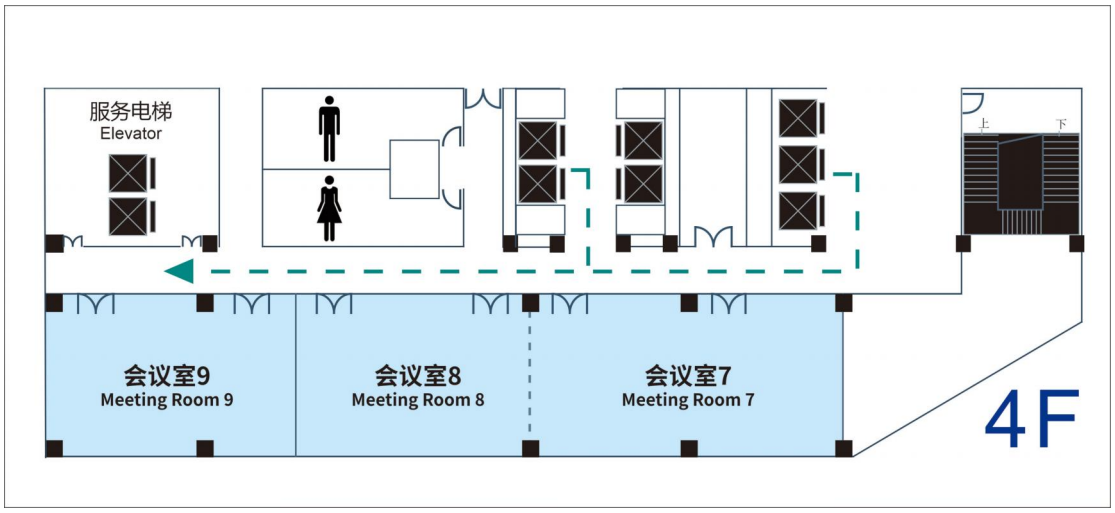
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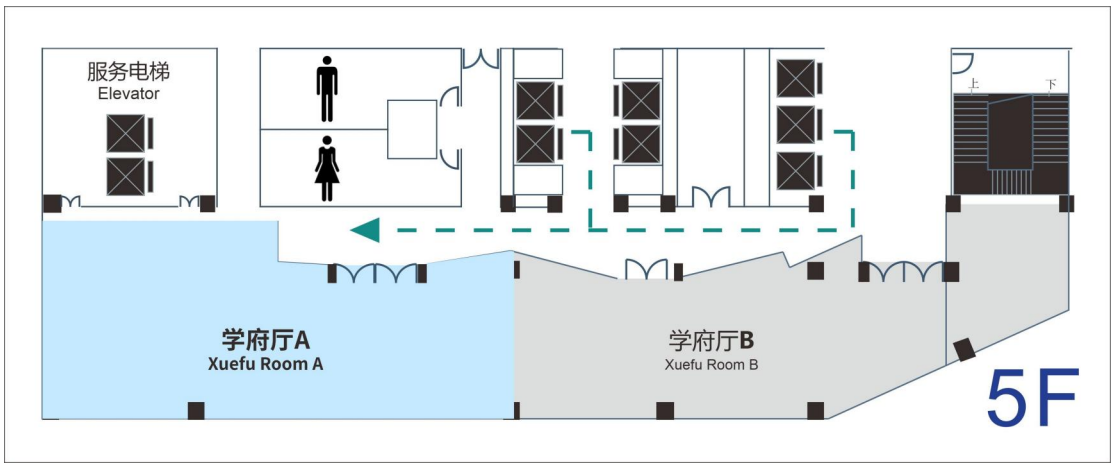
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CONFERENCE GUIDELINE

Oral Presentation

- The duration of a normal presentation slot is 15 minutes. Please target your lecture for a duration of about 12 minutes for the presentation plus about 3 minutes for questions from the audience.
- Your punctual arrival and active involvement in each session will be highly appreciated.
- Get your presentation PPT or PDF files prepared and backed up.
- Laptops, projector & screen, laser pointer will be provided by the conference organizer.

Security

- Please ensure that you take your belongings with you at all times when leaving a room. Do not leave bags or laptops unattended.

Name Badge

- For security purposes, delegates, speakers, exhibitors and staff are required to wear their name badge to all sessions and social functions. Entrance into sessions is restricted to registered delegates only. If you misplace your name badge, please replace at the registration counter.

Registration

Venue: Lobby of Sheraton Shenzhen Nanshan

AGENDA OVERVIEW

November 12, 2026

Time	Activities	Venue
09:30-09:45	**Opening Ceremony**	Grand Ballroom
09:45-10:30	Keynote Speech: China Computing Power Network and International Cooperation **Wen Gao,** Pengcheng Laboratory, Peking University	Grand Ballroom
10:30-11:00 / Break		
11:00-11:45	Keynote Speech: AI Edge Unleashed: A Pathway Towards Physical AI and Token Economy **Tony Q.S. Quek,** Singapore University of Technology and Design	Grand Ballroom
11:45-14:00 / Lunch		
14:00-15:30	**Oral Session 1:** Integrated Space-Air-Ground Networks-I	Boardroom
	Oral Session 2: Reconfigurable Wireless Technologies and Fluid Antenna Systems-I	Meeting Room 1
	Oral Session 3: AI/ML for Next-Generation Wireless Systems-I	Meeting Room 2
	Oral Session 4: Network Architecture, Softwarization, and Management-I	Meeting Room 7
	Oral Session 5: Wireless Access Technologies and Signal Processing-I	Meeting Room 8
	Oral Session 6: Integrated Sensing, Communication, and Computing-I	Meeting Room 9
15:30-16:00 / Break		
16:00-17:30	**Oral Session 7:** Integrated Space-Air-Ground Networks-II	Boardroom
	Oral Session 8: Reconfigurable Wireless Technologies and Fluid Antenna Systems-II	Meeting Room 1
	Oral Session 9: AI/ML for Next-Generation Wireless Systems-II	Meeting Room 2
	Oral Session 10: Network Architecture, Softwarization, and Management-II	Meeting Room 7
	Oral Session 11: Wireless Access Technologies and Signal Processing-II	Meeting Room 8
	Oral Session 12: Integrated Sensing, Communication, and Computing-II	Meeting Room 9
18:00 / Welcome Reception		

November 13, 2026

Time	Activities	Venue
09:00-09:45	Keynote Speech: Convergence of Communication and AI—Theory, Technologies and Field Trials **Ping Zhang,** Beijing University of Posts and Telecommunications	Grand Ballroom
09:45-10:15 / Break		
10:15-11:00	Keynote Speech: Probabilistic State-Space Enumeration: From Communication Networks to Neural Networks **Victor O.K. Li,** The Hong Kong University of Science and Technology (Guangzhou)	Grand Ballroom
11:00-11:45	Keynote Speech: Intelligent Network Management for 6G **Weihua Zhuang,** University of Waterloo	Grand Ballroom
11:45-14:00 / Lunch		
14:00-15:30	**Oral Session 13:** Integrated Space-Air-Ground Networks-III	Boardroom
	Oral Session 14: Reconfigurable Wireless Technologies and Fluid Antenna Systems-III	Meeting Room 1
	Oral Session 15: AI/ML for Next-Generation Wireless Systems-III	Meeting Room 2
	Oral Session 16: Edge Intelligence, Computing, and Caching-I	Meeting Room 7
	Oral Session 17: Wireless Access Technologies and Signal Processing-III	Meeting Room 8
	Oral Session 18: Integrated Sensing, Communication, and Computing-III	Meeting Room 9
15:30-16:00 / Break		
16:00-17:30	**Oral Session 19:** Integrated Space-Air-Ground Networks-IV	Boardroom
	Oral Session 20: Reconfigurable Wireless Technologies and Fluid Antenna Systems-IV	Meeting Room 1
	Oral Session 21: AI/ML for Next-Generation Wireless Systems-IV	Meeting Room 2
	Oral Session 22: Edge Intelligence, Computing, and Caching-II	Meeting Room 7
	Oral Session 23: Wireless Access Technologies and Signal Processing-IV	Meeting Room 8
	Oral Session 24: Recent Advances in Low Altitude Wireless System-I	Meeting Room 9
18:00 / Banquet		

November 14, 2026

Time	Activities	Venue
09:00-10:15	**Oral Session 25:** Integrated Space-Air-Ground Networks-V	Boardroom
	Oral Session 26: Reconfigurable Wireless Technologies and Fluid Antenna Systems-V	Meeting Room 1
	Oral Session 27: AI/ML for Next-Generation Wireless Systems-V	Meeting Room 2
	Oral Session 28: Edge Intelligence, Computing, and Caching-III	Meeting Room 7
	Oral Session 29: Wireless Access Technologies and Signal Processing-V	Meeting Room 8
	Oral Session 30: Recent Advances in Low Altitude Wireless System-II	Meeting Room 9
10:15-10:45 / Break		
10:45-12:00	**Oral Session 31:** Integrated Space-Air-Ground Networks-VI	Boardroom
	Oral Session 32: Reconfigurable Wireless Technologies and Fluid Antenna Systems-VI	Meeting Room 1
	Oral Session 33: Green and Sustainable Wireless Technologies-I	Meeting Room 2
	Oral Session 34: Edge Intelligence, Computing, and Caching-IV	Meeting Room 7
	Oral Session 35: Security, Privacy, and Trust in Wireless Networks-I	Meeting Room 8
	Oral Session 36: Recent Advances in Low Altitude Wireless System-III	Meeting Room 9
12:00-14:00 / Lunch		
14:00-15:30	**Oral Session 37:** High-Frequency and Optical Wireless Communications (HF-OWC)-I	Boardroom
	Oral Session 38: Emerging Applications and Systems Experiments-I	Meeting Room 1
	Oral Session 39: Green and Sustainable Wireless Technologies-II	Meeting Room 2
	Oral Session 40: IoT and Massive Connectivity in 5G-Advanced and 6G-I	Meeting Room 7
	Oral Session 41: Security, Privacy, and Trust in Wireless Networks-II	Meeting Room 8
	Oral Session 42: Recent Advances in Low Altitude Wireless System-IV	Meeting Room 9
15:30-16:00 / Break		

16:00-17:30	**Oral Session 43:** High-Frequency and Optical Wireless Communications (HF-OWC)-II	Boardroom
16:00-17:30	**Oral Session 44:** Emerging Applications and Systems Experiments-II	Meeting Room 1
	Oral Session 45: Green and Sustainable Wireless Technologies-III	Meeting Room 2
	Oral Session 46: IoT and Massive Connectivity in 5G-Advanced and 6G-II	Meeting Room 7
	Oral Session 47: Security, Privacy, and Trust in Wireless Networks-III	Meeting Room 8

KEYNOTE SPEAKER

09:45-10:30, November 12, 2026 @ Grand Ballroom



Wen Gao

- Director, Pengcheng Laboratory, China
- Boya Chair Professor, Peking University, China
- Fellow of IEEE Life
- Fellow of ACM

China Computing Power Network and International Cooperation

Abstract: The computing power network is an essential component of the national "Six Networks" development deployment. Just as electricity evolved into power grids, computing power is advancing toward a computing power network. This report first reviews the brief history of power grid development, then introduces the China Computing Power Network (ZPG Pilot Initiative) proposed by Pengcheng Laboratory and the vision of the ZPG Initiative. Via a new-type super-direct optical network, ultra-large-scale green computing power across regions of China can be delivered to users with ultra-broadband and low-latency performance, enabling green and high-quality coordinated development of computing power and energy. It also presents the progress of the ongoing China Computing Power Network Initiative, including but not limited to the Pengcheng CloudBrain series of super intelligent computing platforms, the Shenzhen–Guizhou direct optical link demonstration line, nationwide integrated computing power monitoring, the GSnet National Laboratory private network, as well as open-source open training grounds built upon the computing power network and relevant international cooperation.

Bio.: Professor Gao has long been engaged in cutting-edge research on artificial intelligence applications, multimedia technology, and intelligent computing. In the field of multimedia technology, he spearheaded the establishment of the AVS digital audio and video coding standard system, systematically advancing China's video industry from a blank slate in core technologies to an internationally leading position. In artificial intelligence, he has led the development of national independent computing infrastructure. His team developed the Pengcheng CloudBrain series of major scientific facilities. He also oversaw the top-level design and advancement of the China Computing Network strategic layout, laying the core technological foundation for national computing sovereignty. As the first completer, he has won 8 National Science and Technology Awards, as well as the Wu Wenjun Artificial Intelligence Highest Achievement Award and the IEEE Social Infrastructure Innovation Award.

KEYNOTE SPEAKER

11:00-11:45, November 12, 2026 @ Grand Ballroom



Tony Q.S. Quek

- IEEE Fellow, WWRF Fellow
- Fellow of Academy of Engineering Singapore
- Associate Provost (AI & Digital Innovation)
- Cheng Tsang Man Chair Professor
- ST Engineering Distinguished Professor
- Director, Future Comms R&D Programme, Singapore University of Technology and Design

AI Edge Unleashed: A Pathway Towards Physical AI and Token Economy

Abstract: Token Communication is a emerging paradigm, where intelligent agents such as small and large language models and general-purpose robots are connected through fundamental AI processing units known as tokens. These discrete units are semantic information employed by foundation models. On the other hand, there is a recent trend to explore the concurrent use of converged computer-and-communications infrastructure to run RAN and AI workloads, enhancing platform utilization and creating new monetization opportunities at the edge. This concept is known as AI-RAN, which natively implements AI-driven RAN functionalities, enabling site-specific RAN operations and improving KPIs at the edge. In this talk, we will provide an overview how token communications intersect with AI-RAN and we will also share some of our recent works in this area.

Bio.: Tony Q.S. Quek received the B.E. and M.E. degrees in Electrical and Electronics Engineering from Tokyo Institute of Technology, respectively. At Massachusetts Institute of Technology, he earned the Ph.D. in Electrical Engineering and Computer Science. Currently, he is the Associate Provost (AI & Digital Innovation) and Cheng Tsang Man Chair Professor with Singapore University of Technology and Design (SUTD). He also serves as the Director of the Future Communications R\&D Programme, and the ST Engineering Distinguished Professor. He is a co-founder of Silence Laboratories, NeuroRAN, and TokRAN. His current research topics include wireless communications and networking, network intelligence, non-terrestrial networks, open radio access network, AI-RAN, and 6G.

Dr. Quek was honored with the 2008 Philip Yeo Prize for Outstanding Achievement in Research, the 2012 IEEE William R. Bennett Prize, the 2015 SUTD Outstanding Education Awards -- Excellence in Research, the 2016 IEEE Signal Processing Society Young Author Best Paper Award, the 2017 CTTC Early Achievement Award, the 2017 IEEE ComSoc AP Outstanding Paper Award, the 2020 IEEE Communications Society Young Author Best Paper Award, the 2020 IEEE Stephen O. Rice Prize, the 2020 Nokia Visiting Professor, the 2022 IEEE Signal Processing Society Best Paper Award, the 2024 IIT Bombay International Award For Excellence in Research in Engineering and Technology, the IEEE Communications Society WTC Recognition Award 2024, and the Public Administration Medal (Bronze). He is an IEEE Fellow, a WWRF Fellow, an AIIA Fellow, a member of NAAI, and a Fellow of the Academy of Engineering Singapore.

KEYNOTE SPEAKER

09:00-09:45, November 13, 2026 @ Grand Ballroom



Ping Zhang

- Professor of Beijing University of Posts and Telecommunications, China
- Counsellor of the State Council
- Member of the Chinese Academy of Engineering
- Director of the State Key Laboratory of Networking and Switching Technology
- Editor-in-Chief of Journal on Communications
- Fellow of IEEE

Convergence of Communication and AI—Theory, Technologies and Field Trials

Abstract: In recent years, wireless communication systems have pursued performance gains by exploiting physical resources such as time, spectrum, power, and antenna dimensions, increasing channel capacity limits but raising concerns about long-term sustainability. Motivated by the integration of AI into wireless communications, a new ComAI paradigm converged communications and intrinsic native AI has emerged as a promising alternative, centered on semantic communications.

This report will first introduce ComAI, a new communication paradigm that converges communication and native AI. The system architecture of ComAI, inspired by human intelligence, and its key technologies will be subsequently provided, and then the its essences will also be discussed, elaborating the relationships among communication, intelligence, and semantic information.

Bio.: Ping Zhang is Professor of Beijing University of Posts and Telecommunications (BUPT), Counsellor of the State Council, Member of the Chinese Academy of Engineering (CAE), Director of the State Key Laboratory of Networking and Switching Technology. He is the Editor-in-Chief of Journal on Communications, and IEEE Fellow. He has long been committed to theoretical research and technological innovation in mobile communications. He has received many awards and honors including the Grand Prize for the National Science and Technology Progress Award. He is one of the most well-known key contributors to the development of China-pioneered mobile communication technologies, which have been widely adopted on a global scale. His research interests include next-generation mobile networks, semantic communications, and ComAI system.

KEYNOTE SPEAKER

10:15-11:00, November 13, 2026 @ Grand Ballroom



Victor O.K. Li

- Professor and Advisor to the President, The Hong Kong University of Science and Technology (Guangzhou), China
- Emeritus Professor, The University of Hong Kong, China
- Fellow of the Hong Kong Academy of Engineering
- Fellow of IEEE and HKIE

Probabilistic State-Space Enumeration: From Communication Networks to Neural Networks

Abstract: How can we reason about systems with exponentially many configurations without enumerating them all? This keynote connects our 1984 research on communication networks with unreliable components to a new perspective on neural computation in Transformer multilayer perceptrons (MLPs). We partition intermediate channels into groups and define an input-dependent distribution over binary inclusion configurations. With importance-corrected masked outputs, the dense MLP output is recovered exactly in expectation. NORDER-II enumerates configurations in decreasing joint probability without constructing or sorting the full state space. Truncating this enumeration yields an anytime, probability-weighted approximation that prioritizes configurations rather than individual channels. Experiments on Llama-3.2-1B and Gemma-2-2B demonstrate high-fidelity MLP-output approximation and small perplexity changes when selected layers are approximated. The talk explores a shared combinatorial perspective across communication and neural networks, illustrating how classical communications research can inspire new approaches to AI, with opportunities for adaptive inference, conditional computation, and budget-controlled trade-offs between computational effort and approximation quality.

Bio.: Victor OK Li is Professor and Advisor to the President at the Hong Kong University of Science and Technology (Guangzhou), and Emeritus Professor at the University of Hong Kong. Born Hong Kong and raised in Hong Kong, he pursued higher education in the United States and earned SB, SM, EE, and ScD in Electrical Engineering and Computer Science from the Massachusetts Institute of Technology (MIT).

Prof. Li began his academic career at the University of Southern California (USC) in 1981, where he became Professor of Electrical Engineering and Director of the Communication Sciences Institute. In 1997, he joined HKU as Chair Professor of Information Engineering, serving until 2025. He also held leadership positions including Head of Electrical and Electronic Engineering, Associate Dean of Engineering, and Cheng Yu-Tung Professor in Sustainable Development.

A distinguished researcher and innovator, Prof. Li has led major interdisciplinary initiatives in information technology, clean energy, environmental sustainability, and AI for Social Good. He co-founded the HKU AI to Advance Well-being and Society Research Lab and several HKU-Cambridge research platforms focused on AI, health, energy, and

neurodegenerative diseases. His team received a HKD 50 million RGC Theme-based Research Grant for AI-driven air pollution and health management research and won the US National Academy of Medicine Healthy Longevity Catalyst Award in 2021, 2022, 2023, and 2024.

Prof. Li is co-author of a dozen U.S. patents, Chairman and Co-Founder of Fano AI, Chairman and Co-Founder of ElohaX, and a strong advocate of technology transfer. He has chaired major IEEE committees and international conferences, served on numerous Hong Kong government advisory bodies, and received many honors, including the Bronze Bauhinia Star. A Fellow of the Hong Kong Academy of Engineering, IEEE, and HKIE, he has been recognized as a Clarivate Top 1% Most Cited Scholar from 2016 through 2025.

KEYNOTE SPEAKER

11:00-11:45, November 13, 2026 @ Grand Ballroom



Weihua Zhuang

- Professor and a University Research Chair of Electrical and Computer Engineering, University of Waterloo, Canada
- Fellow of IEEE
- Fellow of Royal Society of Canada
- Fellow of Canadian Academy of Engineering and Engineering Institute of Canada

Intelligent Network Management for 6G

Abstract: The 6G networks are expected to support a wide range of diverse use cases and applications, along with a significant increase in user data traffic. Artificial intelligence (AI) will be deeply embedded in the design and operation of the networks. Specifically, 6G will transition from an information-centric architecture, which connects people and devices, to intelligence-driven architectures that facilitate seamless data sharing, processing, and mining across devices, the edge, and the cloud within the network. This presentation will examine various aspects of integrating AI into network architecture and operations for intelligent network management and service provisioning. We will introduce a holistic network virtualization architecture designed to support AI functionalities and deliver customized services. Additionally, we will explore split learning for edge AI, which enhances data privacy by retaining raw data on user devices, reduces terminal computational burden through collaborative training with edge servers, and lowers communication overhead via partial on-device processing. We will conclude by discussing the challenges and opportunities associated with network management automation, harnessing the advancements in AI technology.

Bio.: Weihua Zhuang is a University Professor and a University Research Chair of Electrical and Computer Engineering at University of Waterloo, Canada. Her research focuses on network architecture, algorithms and protocols, and service provisioning in future communication systems. She was the Editor-in-Chief of the IEEE Transactions on Vehicular Technology from 2007 to 2013, General Co-Chair of 2021 IEEE/CIC International Conference on Communications in China (ICCC), Technical Program Chair/Co-Chair of 2017/2016 IEEE VTC Fall, and Technical Program Symposia Chair of 2011 IEEE Globecom. She served as the President of the IEEE Vehicular Technology Society in 2023-2024. Dr. Zhuang is a Fellow of the IEEE, Royal Society of Canada, Canadian Academy of Engineering, and Engineering Institute of Canada.

ORAL SESSIONS

Oral Session 1: Integrated Space-Air-Ground Networks-I

14:00, November 12, 2026 @ Boardroom

Session Chair: Chenyu Wu, Harbin Institute of Technology

Time	Paper Details
14:00	**#1571308110:** On an Intelligent Task Offloading Strategy in Space-Air-Ground Integrated Networks for Smart Grid Inspection **Authors: Feng Yiwen, Bomin Mao (Northwestern Polytechnical University, China); Gang Zhao (State Grid Xinjiang Electric Power Company, China); Hongzhi Guo (Northwestern Polytechnical University, China); Xuerui Zhang, Wei Hao (State Grid Xinjiang Electric Power Company, China)**
14:15	**#1571315305:** Service-Aware Multi-Agent Cooperative Group Handover Strategy for LEO Satellite Networks **Authors: Zhenshuo Liu, Liming Liang, Jinmei Liu, Xiao Xiao, Gaofeng Cui, Weidong Wang (Beijing University of Posts and Telecommunications, China)**
14:30	**#1571317881:** Dual-Sub-Agent Cooperative Learning for Joint Beam Hopping and Power Allocation in LEO Multi-Satellite Networks **Authors: Leqi Pan, Jinmei Liu, Liming Liang, Jiajun Zhao, Gaofeng Cui, Weidong Wang (Beijing University of Posts and Telecommunications, China)**
14:45	**#1571319660:** Link-Level Performance Evaluation for AFDM-Based Satellite-to-Ground Communications **Authors: Leilei Wu (The 54th Research Institute of China Electronics Technology Group Corporation, China); Ershuo Chen, Shuntian Tang (Beijing Institute of Technology, China); Shilei Zhou (The 54th Research Institute of China Electronics Technology Group Corporation, China); Xinyi Wang, Zesong Fei (Beijing Institute of Technology, China)**
15:00	**#1571321928:** Kalman-Filtered DRL for UAV Trajectory Optimization in Air-to-Ground Communication Networks **Authors: Zibo Zhou, Xudong Zhong; Qi Liu; Zhen Qin; Mengzhao Guo, Qijie Qian; Baoquan Ren (Academy of Military Science, China)**
15:15	**#1571326668:** LAMP: A Lifetime-Aware Adaptive Multipath Cooperative Transmission Strategy for LEO Satellite Internet **Authors: Yuanyuan Liu, Tong Liu, Weidan Liu (Huazhong University of Science Technology, China); Xin Miao, Xinyue Cao (Shanghai Satellite Network Research Institute Co., Ltd., China); Jiaxi Zhou (Huazhong University of Science and Technology, China)**

ORAL SESSIONS

Oral Session 2: Reconfigurable Wireless Technologies and Fluid Antenna Systems-I

14:00, November 12, 2026 @ Meeting Room 1

Session Chair: Zewei Jing, Xidian University

Time	Paper Details
14:00	**#1571331715:** Information-Bearing RIS-Assisted NOMA Cognitive Radio System **Authors: Shuai Han, Zeyang Sun (Harbin Institute of Technology, China); Sai Xu (University College London, United Kingdom); Peng Yu (China Academy of Space Technology, China); Yajun Zhao (ZTE Corporation, China); Khursheed Aurangzeb (King Saud University, Saudi Arabia)**
14:15	**#1571337882:** CSI Reconstruction in Fluid Antenna Systems Without Spatial Covariance Priors **Authors: Zhentian Zhang (The Hong Kong Polytechnic University, China); Kaitao Meng (University of Manchester, United Kingdom); Tuo Wu (South China University of Technology, China); Kai-Kit Wong (University College London, United Kingdom); Kin-Fai Tong (Hong Kong Metropolitan University, China); Pei Xiao (University of Surrey, United Kingdom); Liang Liu (The Hong Kong Polytechnic University, China); Hao Xu (Southeast University, China); Chao Wang (Xidian University, China)**
14:30	**#1571337979:** Power Minimization for IRS-Aided Multicarrier NOMA System with Frequency-Selective Phase Shift Errors **Authors: Yuhao Ge, Hong Wang, Heyi Li (Nanjing University of Posts and Telecommunications, China)**
14:45	**#1571338568:** Robust Joint Power and Geometry Optimization for 6DMA-Aided Uplink Cell-Free Communications **Authors: Kaiwei Li (Southeast University, China); Wen Wang (Purple Mountain Laboratories, China); Cheng Zhang, Yongming Huang (Southeast University, China)**
15:00	**#1571338671:** Max-Min Fair Resource Allocation in Intelligent Reflecting Surface Assisted NOMA Systems **Authors: Shiyong Yang, Liangdan Wu, Daifeng Zha (Jiujiang University, China)**
15:15	**#1571338680:** Deep Q-Network with Prioritized Experience Replay for FAS-Assisted Near-Field Anti-Eavesdropping Communication **Authors: Zhen Chen, Jinwen He (Jinan University, China); Jianqing Li (Macau University of Science and Technology, China); Pengjie Tan (Jinan University, China)**

ORAL SESSIONS

Oral Session 3: AI/ML for Next-Generation Wireless Systems-I

14:00, November 12, 2026 @ Meeting Room 2

Session Chair: Jiahui Wang, Tsinghua University

Time	Paper Details
14:00	**#1571336252:** Accelerating Score-Based Channel Estimation by Adaptive Step Budgeting and Index Refinement **Authors: Yiran Yin, Longyang Wang (Xi'an Jiaotong University, China); Xiaoyan Bi (Huawei Technologies, China); Jiang Xue (Xi'an Jiaotong University, China)**
14:15	**#1571337014:** Joint Beamforming and Resource Allocation Based on Multi-Task Deep Reinforcement Learning **Authors: Yingzhi Huang, Congcong Li, Jihu Zhang, Changwei Ge (China Mobile (Hangzhou) Information Technology Co., Ltd., China); Zhaohui Yang (Zhejiang University, China)**
14:30	**#1571337033:** ViT-DQN Based Allocation of UAV Resource for 6G Low-Altitude Communication Networks **Authors: Zongyuan Li, Han Zeng (Southeast University, China); Zaichen Zhang (Southeast University, China)**
14:45	**#1571337971:** Virtual-Anchor Transformation and Learned Entropy Model for Joint Compression of DoA and ToFin Channel Knowledge Maps **Authors: Yusu Wang, Lizhou Liu, Xiaohui Chen, Wenyi Zhang (University of Science and Technology of China, China)**
15:00	**#1571338582:** Automated Attack Trace Reconstruction from Incomplete Evidence via Dual-Branch Missing-Edge Evaluation **Authors: Zerui Liu (State Grid Shaanxi Electric Power Co., Ltd., China); MingJie Liu (Northwestern Polytechnical University, China); Chao Zhang (State Grid Shaanxi Electric Power Co., Ltd., China); Yijie Xun, Hongzhi Guo (Northwestern Polytechnical University, China); Xingjie Huang (State Grid Shaanxi Electric Power Co., Ltd., China); Bomin Mao (Northwestern Polytechnical University, China)**
15:15	**#1571339255:** DualCorr: Reconstruction-Constrained Correlation Learning for Unsupervised Spectrum Anomaly Detection **Authors: Yuan Yang, Rui Ding, Fuhui Zhou (Nanjing University of Aeronautics and Astronautics, China), Huanyu Wang (State Key Laboratory of Airliner Integration Technology and Flight Simulation Shanghai Aircraft Design & Research Institute, China); Qihui Wu (Nanjing University of Aeronautics and Astronautics, China)**

ORAL SESSIONS

Oral Session 4: Network Architecture, Softwarization, and Management-I

14:00, November 12, 2026 @ Meeting Room 7

Session Chair: Deyue Zou, Dalian University of Technology

Time	Paper Details
14:00	**#1571324196:** Topology-Aware Message Passing for Resource Unit Allocation in Multi-AP Coordinated WLANs under Contention-Induced Delays **Authors: Xinyu Liu, Xiaodong Xu, Xiaowei Qin (University of Science and Technology of China, China)**
14:15	**#1571337982:** Probabilistic Monitoring for Backbone Traffic Anomaly Detection: A Kalman-RMD Approach with Graph-Laplacian Prior **Authors: Youkang Chen, Qiuyue Li (China Agricultural University, China)**
14:30	**#1571338496:** DySPR: A Stochastic Network Calculus-Driven Closed-Loop Framework for Edge Performance Prediction and Resource Orchestration in Network Slices **Authors: Xi Wang, Shuo Shi, Zhenyu Xu, Chenyu Wu (Harbin Institute of Technology, China)**
14:45	**#1571339568:** Design and Evaluation of Shared-State-Aware Multithreaded Simulation in Simu5G **Authors: Jingxuan Wang, Tao Peng, Liwen Liu, Yichen Guo, Wenbo Wang (Beijing University of Posts and Telecommunications, China)**
15:00	**#1571339834:** Queue-Guided IPPO for Multi-BS Association and Resource Allocation in FD-RAN UAV Networks **Authors: Rong Fan, Zeyu Sun, Xin Zhang, Haibo Zhou (Nanjing University, China)**
15:15	**#1571342405:** A MADDPG-Based Multi-Hop Task Offloading and Resource Allocation Algorithm for Vehicular Networks **Authors: Yangguang Lu, Jun Zheng (Southeast University, China); Qilei Ren (Nanjing University of Posts and Telecommunications, China)**

ORAL SESSIONS

Oral Session 5: Wireless Access Technologies and Signal Processing-I

14:00, November 12, 2026 @ Meeting Room 8

Session Chair: Xinyi Hui, Nanjing University of Posts and Telecommunications

Time	Paper Details
14:00	**#1571322929:** SRPN: A Method Defense Against Black-Box Adversarial Example for Automatic Modulation Recognition **Authors: Hanshuo Chen, Xinhao Li, Zhexian Shen, Hongjun Wang (National University of Defense Technology, China)**
14:15	**#1571323297:** When Strong Augmentation Hurts: Fingerprint-Preserving Episodic Training for Few-Shot Specific Emitter Identification **Authors: Yefeng Tian, Wei Cheng, Xiaobai Li, Kaijun Zhang (Air Force Early Warning Academy, China)**
14:30	**#1571329692:** Instantaneous Trajectory Optimization for Secure UAV Communication in Multiple Users and Multiple Eavesdroppers Scenarios **Authors: Xinyi Hui, Zeyu Wang, Haitao Zhao, Weiheng Chen (Nanjing University of Posts and Telecommunications, China)**
14:45	**#1571332646:** Joint Chirp Selection and Cyclic Alignment for Banded LMMSE Detection in AFDM **Authors: Ziyue Qi (Southeast University, China); Xiaojun Wang (Southeast University & Purple Mountain Laboratories, China); Jingjing Liu (Southeast University, China); Yucai Yao (Nanjing Shenye Intelligent Technology Co., Ltd., China)**
15:00	**#1571335451:** CCDM-Constraint-Aided Column-Layered Scheduling for Non-Binary LDPC Codes **Authors: Jiayi Liu, Liyuan Song, Yi Wu (Fujian Normal University, China)**
15:15	**#1571336221:** Wideband Near-Field Beamforming for Uniform Concentric Circular Array **Authors: Zenghao Ge, Xiaoming Wang, Rui Jiang, Youyun Xu (Nanjing University of Posts and Telecommunications, China)**

ORAL SESSIONS

Oral Session 6: Integrated Sensing, Communication, and Computing-I

14:00, November 12, 2026 @ Meeting Room 9

Session Chair: Tong Zhang, Harbin Institute of Technology (Shenzhen)

Time	Paper Details
14:00	**#1571327020:** Joint Trajectory Tracking and Resource Allocation in Multi-Satellite Coordinated ISAC Systems **Authors: Mengqi Ding, Jian Jiao, Cheng Guo, Jianhao Huang (Harbin Institute of Technology (Shenzhen), China), Ye Wang (Pengcheng Laboratory, China), Qinyu Zhang (Harbin Institute of Technology (Shenzhen), China)**
14:15	**#1571337292:** Track Aware Multi RIS and Sensing Scheduling for V2X ISAC **Authors: Muhammad Jamal Ahmed, Zhiwen Pan (Southeast University, China)**
14:30	**#1571338548:** Adaptive Modulation and Bandwidth Design for FMCW-Based ISAC System **Authors: Jingjing Wei, Kehan Chen , Liang Wu, Zaichen Zhang (Southeast University, China)**
14:45	**#1571338567:** CM-QNN: A Covariance-Matching Quasi-Neural Network for Robust Indoor Localization **Authors: Yixing Tan, Shuai Yang, Tianyu Zhang, Dongheng Zhang (University of Science and Technology of China, China)**
15:00	**#1571338775:** Multi-Source Camouflage Enabled Robust Covert Communication in Active-RIS-Assisted RSMA-Enabled ISAC System **Authors: Yueyue Rong, Fuhao Liu, Yunshen Guo, Quanyu Chen, Jiansong Miao (Beijing University of Posts and Telecommunications, China)**
15:15	**#1571338840:** Joint Beamforming and Computation Offloading for Integrated Sensing, Communication, and Computing in Full-Duplex MIMO Systems **Authors: Haiyang Xu, Haonan Xing, Changhao Du (Beijing Institute of Technology, China)**

ORAL SESSIONS

Oral Session 7: Integrated Space-Air-Ground Networks-II

16:00, November 12, 2026 @ Boardroom

Session Chair: Chenyu Wu, Harbin Institute of Technology

Time	Paper Details
16:00	**#1571327704:** Surrogate-Assisted Analytical SINR Modeling for LEO Satellite Constellations **Authors: Jincheng Zhu, Zhiwen Pan (Southeast University, China)**
16:15	**#1571331480:** Delay-Aware Multipath Routing Algorithm for Satellite-Ground Cooperative Networks **Authors: Zhili Xia, Bomin Mao (Northwestern Polytechnical University, China); Gang Liang (State Grid Xinjiang Electric Power Company, China); Yijie Xun (Northwestern Polytechnical University, China); Gang Zhao, Xuerui Zhang (State Grid Xinjiang Electric Power Company, China)**
16:30	**#1571332927:** E2E Resource Optimization of UAV Networks in Low-Altitude Intelligent Networks **Authors: Liangqi Gan, Chao Dong, Kefeng Guo, Peilin Qi, Jiajing Wu (Nanjing University of Aeronautics and Astronautics, China)**
16:45	**#1571335438:** A Robust Time-Frequency Tracking Method for Low Earth Orbit Satellite Communications Under GNSS-Denied Environments **Authors: Zhanshuo Liang, Yijun Liu, Lin Ba, Mengjing Wu, Fawei Chen, Gaofeng Cui, Weidong Wang (Beijing University of Posts and Telecommunications, China)**
17:00	**#1571337628:** A Residual Dual-Path OAMP-Inspired Network for Channel Estimation in MU-OTFS LEO Satellite Systems **Authors: Peichuan Zhao, Shuntian Zheng, Haoge Jia, Sheng Wu, Ailing Xiao, Zhe Ji (Beijing University of Posts and Telecommunications, China)**
17:15	**#1571338032:** Federated MRL-Enabled Cross-Task Beamforming Adaptation for Distributed Multi-Satellite Networks **Authors: Jinsong Yu, Cunqing Hua, Jindi Chen (Shanghai Jiao Tong University, China); Lingya Liu (Shanghai Maritime University, China); Pengwenlong Gu (CNAM, France)**

ORAL SESSIONS

Oral Session 8: Reconfigurable Wireless Technologies and Fluid Antenna Systems-II

16:00, November 12, 2026 @ Meeting Room 1

Session Chair: Zewei Jing, Xidian University

Time	Paper Details
16:00	**#1571338688:** Power Minimization for IRS-Assisted Integrated Communication and Jamming **Authors: Guodong Xiao, Xingrong Guan, Zidong Ming, Weiwei Yang, Wendong Yang (Army Engineering University of PLA, China)**
16:15	**#1571338715:** Receiver-Side Constellation Synthesis via Active Reflection Modulation **Authors: Musen Liu, Haiyang Ding, Guoxi Song (National University of Defense Technology, China); Gang Yang (University of Electronic Science and Technology of China, China); Zhen Wen (National University of Defense Technology, China); Jules M. Moualeu (University of the Witwatersr, South Africa); Shilian Wang (National University of Defence Technology, China); Maged Elkashlan (Queen Mary University of London, United Kingdom); Haifan Yin (Huazhong University of Science and Technology, China)**
16:30	**#1571338931:** Near-Field Beamforming for RIS-Based Terahertz Transmitter **Authors: Jiayuan Wei, Wen Fang, Mengyuan Xu, Qingwen Liu, Bin He (Tongji University, China); Wen Chen, Qingqing Wu (Shanghai Jiao Tong University, China)**
16:45	**#1571339012:** Beamforming and Antenna Position Design for Movable Antenna-Assisted Integrated Sensing and Communication with Antenna Position Errors **Authors: Zeyuan Zhang, Yue Xiu (University of Electronic Science and Technology of China, China); Boyang Jia (Xidian University, China); Ning Wei (University of Electronic Science and Technology of China, China)**
17:00	**#1571339061:** Compact Ultra Massive Array (CUMA) with Multiple RF Chains for Massive Connectivity **Authors: Hanjiang Hong, Kai-Kit Wong, Xusheng Zhu, Chenguang Rao (University College London, United Kingdom); Kaitao Meng (University of Manchester, United Kingdom)**
17:15	**#1571339442:** RIS-Aided Multicell Multicarrier Uplink NOMA with Frequency-Selective RIS Responses **Authors: Huailiang Wu, Hong Wang, Heyi Li, Peiyu Wang (Nanjing University of Posts and Telecommunications, China); Youhong Feng (Anhui Normal University, China)**

ORAL SESSIONS

Oral Session 9: AI/ML for Next-Generation Wireless Systems-II

16:00, November 12, 2026 @ Meeting Room 2

Session Chair: Runxin Zhang, Tsinghua University

Time	Paper Details
16:00	**#1571339258:** Hop-Aware Curriculum-Guided Graph Reinforcement Learning for Large-Scale LEO Satellite Routing **Authors: Qishen Cai, Xin Xu, Xin Lin, Yikai Rong, Changhao Li, Bohan Zhang (Army Engineering University of PLA, China)**
16:15	**#1571339337:** Observable-Driven Fair Multi-UAV ISAC Control via Uncertainty-Aware Multi-Agent Reinforcement Learning **Authors: Jingjing Tan, Jun Xiong, Xiaoran Liu, Haijun Wang, Haitao Zhao (National University of Defense Technology, China)**
16:30	**#1571339481:** Large-Small Model Collaborative Resource Allocation for Heterogeneous QoS in Cell-Free Massive MIMO Systems **Authors: Haozhe Hu, Cheng Zhang (Southeast University, China); Yijie Chen (Purple Mountain Laboratories, China); Yongming Huang (Southeast University, China)**
16:45	**#1571339613:** Unrolling Beamforming and Sensing Scheduling in Edge Inference Empowered ISAC System **Authors: Xiaotong Gu, Yanpeng Dai, Ling Lyu (Dalian Maritime University, China)**
17:00	**#1571339651:** Adaptive Source-Channel Coding for Relay Semantic Communications **Authors: Wenhuan Gao (University of Electronic Science and Technology of China, China); Dongxu Li (University of Macau, China); Kai Yuan (University of Electronic Science and Technology of China, China); Ran Li (The Chinese University of Hong Kong, China); Chuan Huang (University of Electronic Science and Technology of China, China)**
17:15	**#1571345661:** GNN-Guided Topology Hardening for Jamming-Resilient Wireless Ad Hoc Networks **Authors: Zhanyang Zhou, Chen Han, Yingtao Niu, Xin Lin (National University of Defense Technology, China)**
17:30	**#1571339797:** A Deep Reinforcement Learning-Based CRB Minimization Method for User Localization in RIS-Assisted MIMO Systems **Authors: Sheng Hong, Yingfu Chen, Dou Che (Nanchang University, China)**

ORAL SESSIONS

Oral Session 10: Network Architecture, Softwarization, and Management-II

16:00, November 12, 2026 @ Meeting Room 7

Session Chair: Deyue Zou, Dalian University of Technology

Time	Paper Details
16:00	**#1571345128:** Lexicographic Batch Reconciliation of Elastic NFV Service-Chain Intents **Authors: Shuai Han, Jiaming Zhang, Yu Wang (Harbin Institute of Technology, China); Xingzong Jiang, Dianlong Wang (China Mobile Group Heilongjiang Co., Ltd., China)**
16:15	**#1571345158:** Service- and Load-Aware Hierarchical SFC Recovery in Dynamic Satellite-Terrestrial Networks **Authors: Shuai Han, Kaiwen Zheng; Yu Wang; Chenyu Wu; Zhiqiang Li (Harbin Institute of Technology, China); Xinfeng Li (China United Network Communications Co., Ltd., China)**
16:30	**#1571346039:** A Probabilistic Demand-Aware Routing Scheme for Real-Time Services in QKD Networks **Authors: Haijun Zheng, Yuxin Chen, Zhongxiang Cai, Jian Li (University of Science and Technology of China, China)**
16:45	**#1571346048:** DC-Agent: A Trajectory-Tuned Local Agent for Low-Latency Fault Recovery in Data Centers **Authors: Zongwei Han, Wei Zou, Zongyi Liu, Yi Zhang, Yu Sun, Haibo Zhou (Nanjing University, China)**
17:00	**#1571346627:** Cost-Aware Conflict Triage for xApp Control Conflicts in Open RAN **Authors: Abdul Wadud, Fatemeh Golpayegani, Nima Afraz (University College Dublin, Irel)**
17:15	**#1571349893:** Physics-Informed Koopman Autoencoder for Dynamical ISAC Channel Prediction **Authors: Zongtai Li, Rui Wang (Tongji University, China); Tianheng Xu (Shanghai Advanced Research Institute, Chinese Academy of Sciences, China); Jun Wu (Fudan University, China)**

ORAL SESSIONS

Oral Session 11: Wireless Access Technologies and Signal Processing-II

16:00, November 12, 2026 @ Meeting Room 8

Session Chair: Xinyi Hui,Nanjing University of Posts and Telecommunications

Time	Paper Details
16:00	**#1571337407:** Block OAMP for Distributed Random Multiplexing in Multi-Satellite Coordinated Transmission **Authors: Ziyang Wu, Jian Jiao, Yaosheng Zhang, Bowen Feng (Harbin Institute of Technology (Shenzhen), China); Yi Fang (Guangdong University of Technology, China); Qinyu Zhang (Harbin Institute of Technology (Shenzhen), China)**
16:15	**#1571337718:** Subcarrier Scheduling and Min-Max BER Power Allocation for Downlink Multiuser Random Multiplexing **Authors: Nan Jiang, Lei Liu, Hao Yan (Zhejiang University, China); Yuhao Chi (Xidian University, China); Zhaoyang Zhang (Zhejiang University, China)**
16:30	**#1571337729:** A Reciprocal Bidirectional Fusion Algorithm for Asynchronous Bistatic OFDM-ISAC Systems **Authors: Jiayao Shao, Zhendong Li, Wenjie Wang, Zhou Su, Tom H. Luan (Xi'an Jiaotong University, China); Kaitao Meng (University of Manchester, United Kingdom); Wen Chen (Shanghai Jiao Tong University, China)**
16:45	**#1571338251:** Residual-Synchronization-Aware Joint Payload Detection and Channel Tracking for LEO-OFDM Systems **Authors: Jianlun Bu, Hui Li (University of Science and Technology of China, China)**
17:00	**#1571338677:** LADE: Learning-Assisted Distributed Estimator **Authors: Jiahui Wang, Jiazhen Song (Tsinghua University, China); Linqi Song (City University of Hong Kong, China); Fanggang Wang (Beijing Jiaotong University, China); Jian Song, Zhenyu Liu (Tsinghua University, China)**
17:15	**#1571338678:** Joint Secure Beamforming Design for Satellite-Terrestrial ISAC Networks with Sensor-Aided Active IRS **Authors: Chongyang Tan, Shaochuan Yang, Yi Wang (Zhengzhou University of Aeronautics, China); Zheng Chu (University of Nottingham, Ningbo, China); Meng Hua (Imperial College London, United Kingdom); Junsheng Mu (Beijing University of Posts and Telecommunications, China)**
17:30	**#1571338717:** PDP-MPNet: A Variable-Path-Count PDP Completion Framework for Channel Path Maps **Authors: Tao Zhang, Haipeng Ji (National University of Defense Technology, China); Jing Wang (Aviation Unit 93303, China); Xiaoqiang Qiao, Jiang Zhang, Zhiqiang Xiao (National University of Defense Technology, China)**

ORAL SESSIONS

Oral Session 12: Integrated Sensing, Communication, and Computing-II

16:00, November 12, 2026 @ Meeting Room 9

Session Chair: Tong Zhang, Harbin Institute of Technology (Shenzhen)

Time	Paper Details
16:00	**#1571339010:** JointAntenna Position and Beamforming Optimization for RIS-Assisted MASecureISAC **Authors: Mingze Zhu, Zhendong Li, Zhou Su (Xi'an Jiaotong University, China); Wen Chen (Shanghai Jiao Tong University, China)**
16:15	**#1571339240:** A Physics-Guided Spatiotemporal Network for Zadoff-Chu Artifact Suppression in ISAC **Authors: Haoyang Li, Qingji Jiang, Zhifei Wang, Xiao Ji, Shuo Shen, Xiangyang Wang, Dongming Wang (Southeast University, China)**
16:30	**#1571339637:** RAMPS: Road-Anchored Multipath Probing and Selection for Vehicular ISAC Beam Tracking **Authors: Can Yu, Haibo Wang (Beijing Jiaotong University, China)**
16:45	**#1571339653:** Joint Optimization of PA-Assisted NOMA-ISAC Systems for Multi-Target Angle Estimation **Authors: Huailiang Wu, Hong Wang (Nanjing University of Posts and Telecommunications, China)**
17:00	**#1571339657:** Map-Free Joint Wall and Vehicle Sensing from Multipath Evolution in T-Junction ISAC **Authors: Jiawei Zeng, Zhaoyang Zhang, Zhaohui Yang (Zhejiang University, China)**
17:15	**#1571339685:** Tensor-Based User Localization for mmWave Massive MIMO Systems with Timing Offset **Authors: Tianyu Zhao (Nanjing Institute of Technology, China); Xuewen Luo (Northeastern University, China); Jie Yang (Nanjing Institute of Technology, China)**

ORAL SESSIONS

Oral Session 13: Integrated Space-Air-Ground Networks-III

14:00, November 13, 2026 @ Boardroom

Session Chair: Huiyun Xia, Nanjing University of Posts and Telecommunications

Time	Paper Details
14:00	**#1571338255:** Joint User Scheduling and Bandwidth Management for Efficient Space-Air-Ground Communications **Authors: Shutao Qi, Ying Fang, Yong Niu (Beijing Jiaotong University, China), Zhu Han (University of Houston, United States of America), Xingzheng Du (Beijing Jiaotong University, China)**
14:15	**#1571338427:** Task-Driven Sparse Role Activation and Deadline-Aware Data Delivery for Large-Scale LEO Remote-Sensing Constellations **Authors: Liyu Hao, Haiying Zhang, Zhichao Wang, Weixiao Meng (Harbin Institute of Technology, China); Sebastián E Godoy (University of Concepcion, Chile)**
14:30	**#1571338702:** Anti-Jamming Subnet Construction for UAV Swarms via Matching Game and Deep Reinforcement Learning **Authors: Han Liao, Wanyu Xiang, Lei Yu, Chen Han, Yusheng Li (National University of Defense Technology, China)**
14:45	**#1571338743:** Joint Communication-Control Optimization with FEC for Networked Control Systems **Authors: Sihan Ji, Ye Li, Yingdong Hu, Jue Wang (Nantong University, China); Zhe Ji (Beijing University of Posts and Telecommunications, China); Wei Feng (Tsinghua University, China)**
15:00	**#1571338760:** Embodied-Intelligence Enabled UAV Covert Communication with Outdated CSI **Authors: Kaiji Zhu, Ruiqian Ma, Zhi Lin, Qingsong Zhao, Yong Wang, Sheng Luo (National University of Defense Technology, China)**
15:15	**#1571338782:** Physics-Guided Unsupervised DDA-VAE for Fast and Robust Channel Estimation in High-Mobility MIMO-OTFS with UPA-AoA Sensing **Authors: Yuanzhi He, Xingyang Wang, Chenqi Zhao (32008 Troops of PLA, China)**

ORAL SESSIONS

Oral Session 14: Reconfigurable Wireless Technologies and Fluid Antenna Systems-III

14:00, November 13, 2026 @ Meeting Room 1

Session Chair: Kaiyu Zhang, National University of Defense Technology

Time	Paper Details
14:00	**#1571341359:** Two-Timescale Design for Dual-Sided MA-Enhanced Cell-Free Massive MIMO Systems **Authors: Mengqin Zhang, Yao Zhang (Hangzhou Dianzi University, China); Yongxin Dong (Shandong University of Science and Technology, China); Tianle Liu, Peipei Chen, Xudong Dong, Jianrong Bao (Hangzhou Dianzi University, China)**
14:15	**#1571341378:** Impedance-Aware Zonal Port Activation for Fluid Antenna Arrays **Authors: Yuanhui Wu, Wangqi Shi, Hao Jiang, Zaichen Zhang (Southeast University, China)**
14:30	**#1571341395:** EM-Guided Graph Learning for Fluid Antenna Beamforming Under Current-Domain Constraints **Authors: Yuanhui Wu, Wangqi Shi, Hao Jiang, Zaichen Zhang (Southeast University, China)**
14:45	**#1571342908:** Sparse Port Selection Under Mutual Coupling in Fluid Antenna Arrays **Authors: Jingyuan Xu, Haoyu Liang, Zaichen Zhang, Jian Dang (Southeast University, China)**
15:00	**#1571342923:** Off-Grid Position Optimization Under Mutual Coupling in Fluid Antenna Arrays **Authors: Jingyuan Xu, Jian Dang, Zaichen Zhang (Southeast University, China)**
15:15	**#1571342949:** Synergizing Fluid Antennas and NOMA in Cluster-Centric CF-mMIMO Networks **Authors: Xinpeng Wu, Yao Zhang (Hangzhou Dianzi University, China); Jintao Shen, Yongxu Zhu (Southeast University, China)**

ORAL SESSIONS

Oral Session 15: AI/ML for Next-Generation Wireless Systems-III

14:00, November 13, 2026 @ Meeting Room 2

Session Chair: Xiaopeng Li, Shenzhen University

Time	Paper Details
14:00	**#1571339803:** A Block-Wise Token-Based Codec for Large-FoV High-Resolution Image Transmission **Authors: Zhangchi Xiao, Jingbo Liu, Bin Zhang, Sheng Qian, Haibo Zhou (Nanjing University, China)**
14:15	**#1571344991:** Latency-Aware Intelligent Joint User Scheduling and Time-Frequency Resource Allocation **Authors: Zihan Li, Zening Liu, Fan Meng, Nian Xiong, Yongming Huang (Southeast University, China)**
14:30	**#1571345069:** Interference-Pattern-Guided Dual-Stream Dueling DQN for Wi-Fi Power and Bandwidth Allocation Using Raw I/Q Data **Authors: Yipeng Zhou, Yifan Gu, Zhi Quan (Shenzhen University, China)**
14:45	**#1571345431:** Dynamic Anti-Jamming for Low-Altitude Networks: A STAR-RIS and PA-PPO Approach **Authors: ShunKai Zhu, Xin Li, Hehao Niu (National University of Defense Technology, China)**
15:00	**#1571345566:** Propagation-Aware Graph Learning for Multi-Parameter Channel Path Map Construction **Authors: Chao Zou, Nanhao Zhou, Yi Cheng, Dan Yang, Yanqun Tang (Sun Yat-sen University, China); Cheng Li (National University of Defense Technology, China)**
15:15	**#1571339779:** A Physics-guided Amplitude-Doppler Dual-Branch Fusion Network for Human Activity Recognition **Authors: Miaona Huang, Xiaoyu Cai, Yingjie Liu, Jun Chen (Dongguan University of Technology, China)**

ORAL SESSIONS

Oral Session 16: Edge Intelligence, Computing, and Caching-I

14:00, November 13, 2026 @ Meeting Room 7

Session Chair: Qiong Wu, Jiangnan University

Time	Paper Details
14:00	**#1571313014:** Joint Radio, Energy and Computation Resource Management for Green Compute Power Networks **Authors: Yitu Wang, Huiling Huang, Chao Chen (North Minzu University, China); Chenhui Gu (Zhejiang Provincial Novel Internet Exchange Co., Ltd., China); Takayuki Nakachi (University of the Ryukyus, Japan); Wei Wang (Zhejiang University, China)**
14:15	**#1571336296:** Dual-Side U-Net Fusion for Resource-Aware Sparse Federated Image Semantic Communication **Authors: Xingyu Du, Xiaoming Wang, Rui Jiang, Liu Liu, Youyun Xu (Nanjing University of Posts and Telecommunications, China)**
14:30	**#1571336926:** A Joint Optimization Framework for Model Partitioning and Resource Allocation **Authors: Peng Wu, Yuehong Gao, Ziqi Zhao, Guolie Qiu, Yuefeng Li (Beijing University of Posts and Telecommunications, China)**
14:45	**#1571337396:** Railway Intrusion Detection Using a Lightweight YOLO26-RLI Network for Edge Deployment **Authors: Haonan Mou, Jiantao Yuan, Jing Tang, Feng Gao, Rui Yin (Hangzhou City University, China)**
15:00	**#1571337466:** Server-Assisted Bayesian Approximate Message Passing for Communication-Efficient Federated Pruning **Authors: Kewu Liang, Jing Lv, Sihua Wang (Beijing University of Posts and Telecommunications, China); Huayan Guo (The Hong Kong University of Science and Technology, China); Changchuan Yin (Beijing University of Posts and Telecommunications, China); Vincent Lau (The Hong Kong University of Science and Technology,China)**
15:15	**#1571337606:** FleetDistill: Communication-Efficient Personalized Vehicular Edge Caching via Global-Guided Federated Distillation **Authors: Yi Chen, Qiong Wu , Xun Li (Jiangnan University, China); Xiaoke Sun (National Computer Network Emergency Response Technical Team, China); Yu Yao (Hainan University, China); Pingyi Fan (Tsinghua University, China)**

ORAL SESSIONS

Oral Session 17: Wireless Access Technologies and Signal Processing-III

14:00, November 13, 2026 @ Meeting Room 8

Session Chair: Jiapan Li, Southeast University

Time	Paper Details
14:00	**#1571338806:** Diffusion-Based Wavenumber-Domain Channel Estimation for Wideband Hybrid-Field XL-MIMO **Authors: Panyu Jia, Caihao Weng (Beijing University of Posts and Telecommunications, China); Yuanbin Chen (Nanyang Technological University, Singapore); Ying Wang (Beijing University of Posts and Telecommunications, China)**
14:15	**#1571338823:** Semi-Supervised Class Incremental Learning for Specific Emitter Identification **Authors: Ling Sun (Nanjing University of Posts and Telecommunications, China); Tao Zhang, Hao Wu, Xiaoqiang Qiao, Zhiqiang Xiao (National University of Defense Technology, China); Quan Zhou (Nanjing University of Posts and Telecommunications, China)**
14:30	**#1571338865:** A Heteroscedastic KAN-CIR Method for Probabilistic UWB Ranging **Authors: Yitong Wang, Xiangwei Zhu (Sun Yat-sen University, China)**
14:45	**#1571338909:** Stepped Pilot-Assisted Nonlinear Compensation for Rydberg Atomic Receivers Using Neural Networks **Authors: Zhengui Zhou, Ying Wang, Yuqing Guo (Beijing University of Posts and Telecommunications, China)**
15:00	**#1571339019:** Adaptive Resource Scheduling with Traffic-Aware User Grouping and Dynamic Windowing for Sub-Band Full Duplex Networks **Authors: Xinze Wu, Jin Xu, Junlong Liu, Xiaofeng Tao (Beijing University of Posts and Telecommunications, China)**
15:15	**#1571339197:** Unsupervised GNN-Based User Clustering for Pilot Assignment in Cell-Free Massive MIMO **Authors: Siyang Fei, Ming Zhao, Jinkang Zhu (University of Science and Technology of China, China)**

ORAL SESSIONS

Oral Session 18: Integrated Sensing, Communication, and Computing-III

14:00, November 13, 2026 @ Meeting Room 9

Session Chair: Tong Zhang, Harbin Institute of Technology (Shenzhen)

Time	Paper Details
14:00	**#1571340943:** Joint Beamforming and Trajectory Design for UAV-Enabled Secure ISAC Systems **Authors: Zhaowei Wang, Jianwei Zhao, Jia Weimin, Fang He (Rocket Force University of Engineering, China); Qihui Wu (Nanjing University of Aeronautics and Astronautics, China); Feifei Gao (Tsinghua University, China)**
14:15	**#1571341718:** Simultaneous Position and Velocity Estimate Toward Optical Integrated Sensing and Communication **Authors: Chen Tan, Bingpeng Zhou (Sun Yat-sen University, China)**
14:30	**#1571344234:** Joint Timing Synchronization and Positioning for Integrated Communication and Sensing Systems **Authors: Haiying Zheng, Bingpeng Zhou (Sun Yat-sen University, China); Xiaoyang Li (Southern University of Science and Technology, China)**
14:45	**#1571345523:** Secure RIS-Assisted ISAC via Secrecy Outage Probability Minimization Under Statistical Eavesdropper CSI **Authors: Yibo Qin, Yiliang Liu (Xi'an Jiaotong University, China); Yanan Du (University of Sheffield, United Kingdom); Zhisheng Yin (Xidian University, China); Zhou Su (Xi'an Jiaotong University, China); Abderrahim Benslimane (University of Avignon, France)**
15:00	**#1571345850:** Secure Beamforming for Multiuser MIMO-ISAC System with Dual Information Leakage Protection **Authors: Zhaoxin Liu, Xuewen Luo, Xinyue Pei (Northeastern University, China); Yiliang Liu (Xi'an Jiaotong University, China)**

ORAL SESSIONS

Oral Session 19: Integrated Space-Air-Ground Networks-IV

16:00, November 13, 2026 @ Boardroom

Session Chair: Yuanhui Wu, Southeast University

Time	Paper Details
16:00	**#1571338815:** QoS-Aware LLM-Agentic Resource Orchestration for Multi-Service LEO Satellite Communications **Authors: Xingyu Ji, Chen Zhang, Haojun Liu, Wanjing Li, Gengxin Zhang (Nanjing University of Posts and Telecommunications, China)**
16:15	**#1571339036:** Space Service Region-Based Management Framework for Heterogeneous Mega-Constellation Networks **Authors: Minghang Li, Xing Zhang, Haoyang Shi (Beijing University of Posts and Telecommunications, China)**
16:30	**#1571339039:** NeSyXRL: Explainable Neuro-Symbolic Reinforcement Learning for UAV anti-Jamming Communications **Authors: Jinsha Wei, Zhi Lin, Ruiqian Ma, Qingsong Zhao, Yong Wang, Hongjun Wang (National University of Defense Technology, China)**
16:45	**#1571339058:** Dynamic Topology Control Based on Enhanced ACO for LEO Mega-Constellation Networks **Authors: Wenlong Zhang, Feng Yan (Southeast University, China); Fei Shen (Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Sciences, China); Weiwei Xia, Lianfeng Shen, Tiecheng Song (Southeast University, China); Song Xing (California State University, USA)**
17:00	**#1571339206:** A Unified Multicarrier Waveform with Zak-Domain Pulse Shaping for NTN Communications **Authors: Heyun Yan, Mucen Zhang, Xiaoyan Kuai, Lidong Zhu (University of Electronic Science and Technology of China, China)**
17:15	**#1571339288:** Movable Antennas-Assisted NOMA for Space-Air-Ground Integrated Networks **Authors: Kaiyu Zhang, Chen Han, Ruiqian Ma, Hongjun Wang (National University of Defense Technology, China); Kefeng Guo (Nanjing University of Aeronautics and Astronautics, China); Kang An (National University of Defense Technology, China)**

ORAL SESSIONS

Oral Session 20: Reconfigurable Wireless Technologies and Fluid Antenna Systems-IV

16:00, November 13, 2026 @ Meeting Room 1

Session Chair: Qianfan Wang, City University of Hong Kong

Time	Paper Details
16:00	**#1571343321:** Fluid Antenna Array-Inspired Location-Posterior-Driven Subarray Sizing and Power Control for Two-Hop AF UAV Relaying **Authors: Xuanyi Zhu, Jian Dang (Southeast University, China); Chen Zhao, Huaifeng Shi (Nanjing University of Information Science and Technology, China); Zaichen Zhang (Southeast University, China)**
16:15	**#1571345060:** Joint Resource Scheduling and Task Offloading in RIS-Assisted Multi-UAV Networks via Graph Reinforcement Learning **Authors: Yining Hu, Ning Gao, Xiao Li, Xinping Yi, Shi Jin (Southeast University, China)**
16:30	**#1571345133:** Fluid-Antenna-Assisted Distributed Joint Decoding for Cell-Free Massive MIMO Unsourced Random Access **Authors: Liong Hu, Jian Dang, Zaichen Zhang (Southeast University, China)**
16:45	**#1571345298:** QoS-Aware Joint Concurrency and HARQ-Limit Design for HARQ-CC-Aided Slow Fluid Antenna Multiple Access **Authors: Sixu Han, Kai-Kit Wong, Hanjiang Hong (University College London, United Kingdom); Haoyu Liang (Southeast University, China)**
17:00	**#1571345951:** Robust Port Selection for near-Field Fluid Antenna Systems Under User Position Uncertainty **Authors: Chunfeng Xie (Queen Mary University of London, United Kingdom)**
17:15	**#1571346079:** Vision-Aided Beam Alignment for Two-Layer SIM-Assisted mmWave V2I Communications **Authors: Yunhao Mao, Shuyi Chen, Suning Liu, Weixiao Meng (Harbin Institute of Technology, China); Sebastián E Godoy (Universidad de Concepción, Chile)**

ORAL SESSIONS

Oral Session 21: AI/ML for Next-Generation Wireless Systems-IV

16:00, November 13, 2026 @ Meeting Room 2

Session Chair: Zhuang Zhou, National University of Defense Technology

Time	Paper Details
16:00	**#1571345733:** Probe or Serve? Decision-Certified Knowledge Acquisition for Attack-Resilient Uplink Scheduling **Authors: Jiaqi Lin (Beijing University of Posts and Telecommunications, China); Yi Mingjiang, Senbai Zhang (Academy of Military Sciences, China); Yong Wang(Air Force Aviation University, China); Li Xiang (Academy of Military Sciences, China)**
16:15	**#1571345984:** RA-TSet: Communication-Efficient Cooperative Spectrum Sensing Under Constrained Reporting Links **Authors: Changyong Yin, Jingyi Shi, Cuimei Cui (Changzhou Institute of Technology, China)**
16:30	**#1571346016:** Convolutional LSTM-Based Aeronautical User Traffic Demand Prediction in High-Throughput Satellite Networks **Authors: Meng Wang, Kang Liu, Zanyang Dong (China Academy of Space Technology, China); Chenyu Wu (Harbin Institute of Technology, China)**
16:45	**#1571346029:** TRACER: Task-Relevant Adaptive Communication with Evidence-Gated Refinement for UAV Image Transmission **Authors: Peicheng Yu (Beijing University of Posts and Telecommunications, China); Sen Wang (China Mobile Research Institute, China)**
17:00	**#1571346042:** Intelligent-Agent-Driven Spectrum Sensing for Non-Cooperative Beam Signals in Dynamic Low-Altitude Scenarios **Authors: Xieda Song, Yong Chen, Yu Zhang (National University of Defense Technology, China)**
17:15	**#1571346052:** RAI-DUNet: Deep Unfolding for SIM-Assisted ICAJ with Imperfect Information **Authors: Yingjie Zhang, Jiangchun Gu (Army Engineering University of PLA, China); Yifu Sun (National University of Defense Technology, China); Xin Lin, Yitao Xu (Army Engineering University of PLA, China); Chen Han, Kang An (National University of Defense Technology, China); Guoru Ding (Army Engineering University of PLA, China)**
17:30	**#1571346095:** Soft Graph Diffusion Transformer for MIMO Detection **Authors: Nan Jiang, Jiadong Hong, Lei Liu (Zhejiang University, China); Xinyu Bian, Wenjie Wang (Huawei Technologies Co. Ltd., China); Zhaoyang Zhang (Zhejiang University, China)**

ORAL SESSIONS

Oral Session 22: Edge Intelligence, Computing, and Caching-II

16:00, November 13, 2026 @ Meeting Room 7

Session Chair: Qiong Wu, Jiangnan University

Time	Paper Details
16:00	**#1571337773:** Edge-Based Low-Latency Super-Resolution for Wi-Fi Ranging: A Mixed-Precision Unitary ESPRIT System on ESP32-C6 **Authors: Zetao Shi, Zhifeng Wang, Cheng Huang (Southeast University, China)**
16:15	**#1571338051:** Over-the-Air Coded Gradient Aggregation for Distributed Edge Learning **Authors: Tianheng Li (Zhongyuan University of Technology, China)**
16:30	**#1571338052:** Semantic Trunk Caching for Edge Content Delivery with Progressive Semantic Representations **Authors: Ye Xia (Beijing University of Posts and Telecommunications, China); Xinghao Pan (MIGU Video Co., Ltd., China); Chen Dong, Xiaoyi Liu, Haotai Liang, Wejie Zheng, Xiaodong Xu (Beijing University of Posts and Telecommunications, China); Xun Dai (Migu Culture Technology Co., Ltd., China)**
16:45	**#1571339021:** Pulse: Learning-Based Event-Triggered Notification for Device-Edge Collaboration in the 6G Internet of Agents **Authors: Nianrui Wang, Xing Zhang, Heling Zhang, Yang Li, Zetao Cheng (Beijing University of Posts and Telecommunications, China)**
17:00	**#1571339316:** GBD Policy Distillation and Distributed MAPPO for Real-Time LEO Edge Caching **Authors: Guanhong Liu, Yongliang Sun (Nanjing Tech University, China)**
17:15	**#1571339692:** Co3D-ST: Cooperative Multi-View 3D Scene Semantic Transmission in UAV Networks **Authors: Xuejin Wang, Yiming Liu, Li Yanlu, Baoling Liu (Beijing University of Posts and Telecommunications, China)**

ORAL SESSIONS

Oral Session 23: Wireless Access Technologies and Signal Processing-IV

16:00, November 13, 2026 @ Meeting Room 8

Session Chair: Shuaishuai Guo, Shandong University

Time	Paper Details
16:00	**#1571339329:** A Deep Neural Network-Based Direction of Arrival Estimation of Two Waves with Different Received Powers **Authors: Naoki Sawada, Daniel Akira Ando, Tetsuya Manabe (Mie University, Japan)**
16:15	**#1571339391:** Joint Channel Coefficient Estimation and Jamming Mitigation for OTFS-based LEO Satellite Communications **Authors: Xiaoshu Zheng, Junhua You, Yuze Tong, Shaohua Wu (Harbin Institute of Technology (Shenzhen), China)**
16:30	**#1571339500:** Robust Hybrid-Field Beam Tracking for U6G XL-MIMO: A CNN-Transformer Approach **Authors: Juntong Huo, Yu Han, Zhizheng Lu, Shi Jin (Southeast University, China)**
16:45	**#1571339527:** Pilot-Embedded Systematic Polar Coded OTFS for Joint Channel Estimation and Data Detection **Authors: Jiahua Yang, Junhua You, Yajing Deng, Shaohua Wu (Harbin Institute of Technology (Shenzhen), China)**
17:00	**#1571341923:** Visual-Guided Tactile Coding for Immersive Communications **Authors: Xuanlin Zhu, Weichen Li, Yun Gao (Nanjing University of Posts and Telecommunications, China)**
17:15	**#1571345946:** Key-Synchronized Perturbation with Recovery for Securing Task-Oriented Semantic Communications **Authors: Wenjie Han (Shandong University, China); Anbang Zhang (The Hong Kong University of Science Technology, China); Chenyuan Feng (University of Exeter, United Kingdom); Shuaishuai Guo (Shandong University, China)**
17:30	**#1571346021:** A Phase-Aligned Continuous-Domain Channel Estimation Algorithm for OTFS-Based Cell-Free Massive MIMO **Authors: Xinyu Zuo, Chenhao You, Tong Wang, Lin Gao, Yufei Jiang (Harbin Institute of Technology (Shenzhen), China)**

ORAL SESSIONS

Oral Session 24: Recent Advances in Low Altitude Wireless System-I

16:00, November 13, 2026 @ Meeting Room 9

Session Chair: Wenbo Wang, Kunming University of Science and Technology

Time	Paper Details
16:00	**#1571325924:** An Adaptive Zone Routing Protocol for Low-Latency and Low-Overhead Optimization Based on Deep Q-Networks in FANETs **Authors: WenXin Guo, Lan Wang (Shenzhen University, China); Shanxin Chen (Tsinghua University, China); Xiang Chen (Sun Yat-sen University, China)**
16:15	**#1571328288:** Three-Dimensional Beam Coverage Enhancement for Low-Altitude Sensing and Communication **Authors: Wei Wang, Chao Dong, Yuben Qu (Nanjing University of Aeronautics and Astronautics, China); Wei Feng (Tsinghua University, China); Qihui Wu (Nanjing University of Aeronautics and Astronautics, China)**
16:30	**#1571336888:** Trajectory-Referenced CMDP Residual Mobility Control for Source-Routed Low-Altitude UAV Networks **Authors: Yiheng Pei, Haoyue Duan, Zhe Ji, Sheng Wu, Haoge Jia (Beijing University of Posts and Telecommunications, China); Ye Li (Nantong University, China)**
16:45	**#1571338527:** Research on the Influence of Illumination on Image Positioning of Asteroid Detectors **Authors: Pengcheng Hu, Deyue Zou, Zetao Zhang (Dalian University of Technology, China)**
17:00	**#1571338863:** Causality-Constrained Predictive Link Control for Tail-Latency Stabilization in UAV Networks **Authors: Renqing Zhao, Jun Xiong, Dongtang Ma, Haitao Zhao, Jibo Wei (National University of Defense Technology, China)**
17:15	**#1571338920:** Category Semantics-Based Multi-Label Classification for RF-Based Multi-Drone Recognition **Authors: Yuhao Lian, Zongyu Zhang, Qianqian Yang, Zhiguo Shi (Zhejiang University, China)**

ORAL SESSIONS

Oral Session 25: Integrated Space-Air-Ground Networks-V

09:00, November 14, 2026 @ Boardroom

Session Chair: Yifei Xie, National University of Defense Technology

Time	Paper Details
09:00	**#1571339295:** An Efficient Cluster-Based Inter-Layer Link Construction Strategy for Multi-Layer LEO Networks **Authors: Siping Li, Jing Liu, Zhuohang Yuan (Shanghai Jiao Tong University, China)**
09:15	**#1571339412:** Blocking Probability and Delay Joint Optimization in Space-Air-Ground Integrated Networks **Authors: Ziqian Yan, Pei Peng (Nanjing University of Posts and Telecommunications, China); Yilin Lin (China Telecom Research Institute, China); Wen Du (DS Information Technology Co., Ltd., China); Tianheng Xu (4Shanghai Advanced Research Institute, Chinese Academy of Sciences, China)**
09:30	**#1571339590:** User-Controlled Joint Satellite Access and Resource Allocation Scheme in LEO Satellite Networks **Authors: Hanmin Guo, Xi Li, Heli Zhang (Beijing University of Posts and Telecommunications, China)**
09:45	**#1571339742:** Residual-Aware Beamforming Design for LEO Bistatic Integrated Sensing and Communication **Authors: Yifei Xie, Zhi Lin (National University of Defense Technology, China); Xiangming Zhu (Zhejiang Lab, China); Ruiqian Ma (National University of Defense Technology, China)**
10:00	**#1571339749:** Channel-Aware Annealed Langevin Detection for LEO Uplink MIMO Systems **Authors: Jiacheng Shen, Zhi Lin (National University of Defense Technology, China); Xiangming Zhu (Zhejiang Lab, China); Yuanzhi He (32008 Troops of PLA, China)**

ORAL SESSIONS

Oral Session 26: Reconfigurable Wireless Technologies and Fluid Antenna Systems-V

09:00, November 14, 2026 @ Meeting Room 1

Session Chair: Xuanli Wu, Harbin Institute of Technology

Time	Paper Details
09:00	**#1571346120:** Joint Position-Orientation and Beamforming Optimization for Reconfigurable Antenna-Assisted ISAC System **Authors: Dekai Zhao, Junling Li, Shiyu Xiao, Weihao Zhang (Southeast University, China); Lijian Xin (Purple Mountain Laboratories, China); Xiaodan Shao (University of Waterloo, Canada); Cheng-Xiang Wang (Southeast University, China & Purple Mountain Laboratories, China)**
09:15	**#1571346136:** Fluid Antenna Channel Reconstruction with Non-Negative Least Square Detector **Authors: Yang Chen, Jian Dang, Zaichen Zhang (Southeast University, China)**
09:30	**#1571346420:** Beyond LLM-GA: Secure Fluid Antenna Systems with ReEvo-Designed Memetic Algorithm **Authors: Hanyong Xu (Harbin Institute of Technology, China); Zhaolai Dang, Tong Zhang (Harbin Institute of Technology (Shenzhen), China)**
09:45	**#1571349070:** Low-Complexity DDPG-Based Joint Beamforming for IRS-Assisted Secure MISO Communications **Authors: Wenzhou Huang, Xuewen Wu, Chunshan Liu (Hangzhou Dianzi University, China)**
10:00	**#1571349719:** Range-Selective Wireless Powering: Frequency-Diverse RIS for Mobile Edge Computing **Authors: Lei Xiong, Xiaoyan Hu (Xi'an Jiaotong University, China); Kai-Kit Wong (University College London, United Kingdom); Kun Yang (University of Essex, United Kingdom)**

ORAL SESSIONS

Oral Session 27: AI/ML for Next-Generation Wireless Systems-V

09:00, November 14, 2026 @ Meeting Room 2

Session Chair: Yifan Chen, Zhejiang University of Technology

Time	Paper Details
09:00	**#1571346151:** Closed-Loop Cognitive Jamming with Joint Power-Frequency Optimization Based on Online Effectiveness Evaluation in Low-Altitude Systems **Authors: Weixiao Liu, Wanning Liu, Jiangchun Gu, Yitao Xu, Guoru Ding (Army Engineering University of PLA, China)**
09:15	**#1571346352:** Queue-Aware Three-Tier Task Offloading for Cell-Free MEC Networks via MAPPO **Authors: Xinyu Peng, Qi Zhang, Shu Cai, Jun Zhang (Nanjing University of Posts and Telecommunications, China)**
09:30	**#1571346392:** Distribution-Aware Federated Transfer Learning for Cross-Domain Spectrum Occupancy Sensing **Authors: Cuimei Cui, Jiaxin Xu (Changzhou Institute of Technology, China); Xuchong Yin (North China Electric Power University, China)**
09:45	**#1571346524:** Kernel-Based Hierarchical Decision-Making for Multi-Dimensional Resources Scheduling for Counter-Unmanned Aircraft Systems **Authors: Huaiqi Zhang, Yang Huang (Nanjing University of Aeronautics and Astronautics, China)**
10:00	**#1571349339:** Hierarchical Federated Learning with Time-Triggered Over-the-Air Aggregation **Authors: Kecun Zhou (Dalian Maritime University, China); Huiyun Xia (Nanjing University of Posts and Telecommunications, China); Xiaokang Zhou (Nanjing Research Institute of Electronics Technology, China); Jingchun Zhou (Dalian Maritime University, China)**

ORAL SESSIONS

Oral Session 28: Edge Intelligence, Computing, and Caching-III

09:00, November 14, 2026 @ Meeting Room 7

Session Chair: Haoyu Quan, Beijing Jiaotong University

Time	Paper Details
09:00	**#1571339768:** MiLAC-Aided Beamforming for MIMO Over-the-Air Computation **Authors: Yaru Wang, Deyou Zhang, Qingchao Li, Jun Liu, Chuang Shi (Beihang University, China)**
09:15	**#1571343274:** RGBVI: Electrical-Statistical V-I Encoding for Few-Shot Non-Intrusive Load Monitoring **Authors: Linkai Lin (Zhejiang University, China); Jiantao Yuan, Jing Tang (Hangzhou City University, China); Tao Fang (Hangzhou Polytechnic University, China); Rui Yin (Hangzhou City University, China)**
09:30	**#1571344574:** Token-Aware Stackelberg Pricing and Inference Offloading for Industrial Edge-Cloud LLM Agents **Authors: Zhanyu Song, Faxiang Zhang, Chunxi Yang, Wenbo Wang (Kunming University of Science and Technology, China)**
09:45	**#1571345504:** DAAC-FL: Divergence- and Availability-Aware Adaptive Compression for Federated Learning in Wireless IoT Networks **Authors: Sirui Qiao, Chenguang He, Weixiao Meng, Shuyi Chen (Harbin Institute of Technology, China); Sebastián E. Godoy (University of Concepción, Chile)**
10:00	**#1571346488:** Edge-Oriented Lightweight Modeling and Analysis of Infrared Radiation Characteristics of Hypersonic Glide Vehicles During the Steady-Glide Phase **Authors: Mao Li, Yuyang Liu (National University of Defense Technology, China); Yuyang Liu (University of Chinese Academy of Sciences, China)**

ORAL SESSIONS

Oral Session 29: Wireless Access Technologies and Signal Processing-V

09:00, November 14, 2026 @ Meeting Room 8

Session Chair: Fang Geng, Nanjing University of Posts and Telecommunications

Time	Paper Details
09:00	**#1571346501:** Conditional Generative Adversarial Network-Based Channel Fingerprint Construction for Dynamic Base Station Deployments **Authors: Jiapan Li, Li You, Chenjie Xie (Southeast University, China); Zhen Gao (Beijing Institute of Technology, China); Xiqi Gao (Southeast University, China)**
09:15	**#1571346557:** Random Staircase Parity-Check Matrix Codes for Delay-Sensitive Tasks **Authors: Yiwen Wang (Sun Yat-sen University, China); Qianfan Wang (City University of Hong Kong, China); Suihua Cai (Sun Yat-sen University, China); Yong Liang Guan (Nanyang Technological University, Singapore); Shenghui Song (The Hong Kong University of Science and Technology, China); Xiao Ma (Sun Yat-sen University, China)**
09:30	**#1571348752:** Non-uniform Pilot Placement for Estimating Sparse Channels Assisted by Environment Geometries **Authors: Meng Zhang, Shidong Zhou (Tsinghua University, China)**
09:45	**#1571349829:** Secrecy Sum-Rate Maximization for Hybrid Near-/Far-Field STAR-RIS-Assisted RSMA **Authors: Huiyun Xia (Nanjing University of Posts and Telecommunications, China); Kecun Zhou (Dalian Maritime University, China); Xiaokang Zhou (Nanjing Research Institute of Electronics Technology, China)**
10:00	**#1571349899:** 2D DOA Estimation for Coherent Sources in UAV-Borne Localization with Uniform Planar Arrays **Authors: Yatong Ge, Xing Yu, Yiqiang Shen, Xiaohuan Wu (Nanjing University of Posts and Telecommunications, China)**
10:15	**#1571346332:** Joint Trajectory and Reference-Point Design for UAV-RIS-Aided Single-Satellite Localization **Authors: Fang Geng, Yuzhou Liu, Yuan Guo, Haitao Zhao, Xing Zhang, Haibo Dai (Nanjing University of Posts and Telecommunications, China)**

ORAL SESSIONS

Oral Session 30: Recent Advances in Low Altitude Wireless System-II

09:00, November 14, 2026 @ Meeting Room 9

Session Chair: Deyue Zou, Dalian University of Technology

Time	Paper Details
09:00	**#1571338962:** A Multiscale Convolutional Swin Transformer for UAV RFFI **Authors: Feifei Zhu, Fuhui Zhou, Qihui Wu (Nanjing University of Aeronautics and Astronautics, China)**
09:15	**#1571339346:** A Hybrid Scale-Bias Markov Factor Graph for UAV Cooperative Localization Under Building Obstruction **Authors: Shupeng Feng, Jun Wang, Xin Sun (Beijing Jiaotong University, China)**
09:30	**#1571339551:** Optimal Continuous Trajectory Design for Waypoint-Constrained UAV Communications: A Fixed-Pulley Mechanical Equivalence Approach **Authors: Xinyan Wang, Peng Wu (Wuhan University, China); Xiaopeng Yuan (RWTH Aachen University, Germany); Wei Gao, Yulin Hu (Wuhan University, China); Anke Schmeink (RWTH Aachen University, Germany)**
09:45	**#1571339806:** Heterogeneous Multi-Agent Reinforcement Learning for Cooperative UAV-UGV Pickup and Delivery with Time Windows **Authors: Chunqiang Zhang, Juan Liu (Ningbo University, China); Richeng Jin (Zhejiang University, China)**
10:00	**#1571339826:** Region-Aware Routing for Load Balancing in LEO Mega-Constellations: A Multi-Agent Reinforcement Learning Approach **Authors: Yutao Xu, Juan Liu (Ningbo University, China); Guinian Feng (Beijing Tianwen Space Technology Co., Ltd., China); Wei Zhang (Space Engineering University, China)**

ORAL SESSIONS

Oral Session 31: Integrated Space-Air-Ground Networks-VI

10:45, November 14, 2026 @ Boardroom

Session Chair: Junyuan Gao, The Hong Kong Polytechnic University

Time	Paper Details
10:45	**#1571340516:** Diffusion-Enabled Sparse Radio Map Reconstruction and Active Sensing with Hybrid UAV-Ground Sensors **Authors: Zihao Zhang, Ming Cheng (Nanjing University of Posts and Telecommunications, China); Jianhang Tang (Guizhou University, China)**
11:00	**#1571346184:** Low-Complexity Robust Beamforming of RIS-Aided UAV Under Winds via Hierarchical Double-DDPG with Temporal Preprocessing **Authors: Ziyan Chen, Yuan Wang (Suzhou University of Science and Technology, China); Shuxun Li (Innovation Academy for Microsatellites, Chinese Academy of Sciences, China); Yunsong Hu (Changzhou University, China); Zhiqiang Li (Harbin Institute of Technology, China); Jichong Guo (Suzhou University of Science and Technology, China)**
11:15	**#1571349031:** Data Priority-Driven Scheduling Mechanism for Multi-Loop Cislunar Control: An Effective-Value-Loss Approach with Halo-Orbit Relay Satellite **Authors: Zhouyong Hu, Afang Yuan, Qinyu Zhang, Zhihua Yang (Harbin Institute of Technology (Shenzhen), China)**
11:30	**#1571349174:** FAS-Assisted Beam Shaping and Hopping for LEO Satellite Communications **Authors: Xinru Wang, Yingdong Hu, Xiaomin Chen, Ye Li (Nantong University, China)**
11:45	**#1571339420:** A Novel Synchronization Scheme for Satellite Signal Reception in future Satellite-Terrestrial Integrated Network **Authors: Fei Yu, Fang Xu (Southwest University, China); Ramy Samy (National Universityof Defense Technology, China); Chang Cai (Southwest University, China)**

ORAL SESSIONS

Oral Session 32: Reconfigurable Wireless Technologies and Fluid Antenna Systems-VI

10:45, November 14, 2026 @ Meeting Room 1

Session Chair: Xuanli Wu, Harbin Institute of Technology

Time	Paper Details
10:45	**#1571349762:** RIS-Assisted Visibility Region Control for Low-Overhead XL-MIMO Transmission **Authors: Yicheng Xu, Yingdong Hu, Na Su, Jue Wang (Nantong University, China); Huiling Zhu (University of Kent, United Kingdom)**
11:00	**#1571349827:** Multi-Beam Synthesis Beyond the Half-Space Using Foldable RIS and Conditioned Spatial CNN **Authors: Yuxuan Chen, Xiaokun Teng, Xiao Ye, Shurui Xu, Weicong Chen, Wankai Tang, Shi Jin (Southeast University, China)**
11:15	**#1571349869:** Low-Overhead Tensor Channel Estimation with Joint Spatial – Frequency Priors for Pattern-Reconfigurable MIMO **Authors: Yuncheng Gao, Chongwen Huang, Li Wei, Yuanchao Shu, Zhaoyang Zhang (Zhejiang University, China); Mérouane Debbah (Khalifa University of Science and Technology, France)**
11:30	**#1571349915:** Equal Phase Shift-Based Physical Layer Secret Key Generation with SCA-Optimized Power Allocation in Active RIS-Assisted Systems **Authors: Xiyue Zhang, Zishuo Chen, Lin Guo, Lijun Yang (Nanjing University of Posts and Telecommunications, China)**

ORAL SESSIONS

Oral Session 33: Green and Sustainable Wireless Technologies-I

10:45, November 14, 2026 @ Meeting Room 2

Session Chair: Wanlong Zhao, Harbin Institute of Technology (Weihai)

Time	Paper Details
10:45	**#1571346203:** Beamforming Design for LLM Empowered Wireless Agent Network **Authors: Yan Dai, Jianxin Dai, Lei Li (Nanjing University of Posts and Telecommunications, China); Zhaohui Yang, Zhaoyang Zhang, Chen Zhu (Zhejiang University, China); Zhiyang Li (China Mobile (Hangzhou) Information Technology Co., Ltd., China)**
11:00	**#1571337932:** Post-Decision-State Actor-Critic for AoI-Aware Energy-Harvesting MEC **Authors: Hui Sun, Mangang Xie, Wenpeng Dong, Changhao Song, Jie Xu, Ting Zhang (Northwest Normal University, China)**
11:15	**#1571339441:** Joint Deployment and Resource Allocation for a Dual-UAV Enabled Emergency Network: A Relay-Base Station Cooperation Approach **Authors: Yanfei Liu, Qiaote Shi, Liyuan Huang, Haotong Cao, Hui Zhang (Nanjing University of Posts and Telecommunications, China); Heshan Guan (China Satellite Network Exploration Co., Ltd., China)**
11:30	**#1571341830:** Residual-Tracking Greedy ACO Algorithm for Bio-Inspired Underwater Acoustic Communication **Authors: Mingcheng Ma, Wanlong Zhao (Harbin Institute of Technology, China); Deyue Zou (Dalian University of Technology, China)**
11:45	**#1571341886:** Resource-Efficient Synchronization for ISAC-Enabled UAV Digital Twins via Dual-Timescale Learning and Optimization **Authors: Chen Dai, Jingyi Zhu, Yiping Zuo, Haotong Cao (Nanjing University of Posts and Telecommunications, China); Guo Lu, Sixian Wang, Taohe Chen, Aimin Tang (Shanghai Jiao Tong University, China)**

ORAL SESSIONS

Oral Session 34: Edge Intelligence, Computing, and Caching-IV

10:45, November 14, 2026 @ Meeting Room 7

Session Chair: Ruiqi Ren, Shanghai Institute of Technical Physics Chinese Academy of Sciences

Time	Paper Details
10:45	**#1571346508:** An Edge-Intelligent System for Infrared Small-Object Detection **Authors: Lingyu Zheng (National University of Defense Technology, China); Yuting Qian (Shanghai Institute of Technical Physics, Chinese Academy of Sciences, China); Wei An (National University of Defense Technology, China)**
11:00	**#1571349277:** MARL-Based Computation Offloading in UAV-Assisted Vehicular Edge Computing **Authors: Wentao Xia, Chunyue Zhou, Xiaoxuan Wang, Tao Jing (Beijing Jiaotong University, China); Ci Liang (Harbin Institute of Technology, China); Yifu Lin (Fujian HCXG Electronic Technology Co., Ltd., China); Wei Chen (Beijing 3CAVI Technology Co., Ltd., China)**
11:15	**#1571349288:** Cooperative Dynamic Deployment and Task Assignment for Heterogeneous Multi-UAV MEC Networks **Authors: Lingzhu Zhao (Northwestern Polytechnical University, China); Xianchao Zhang (Jiaxing University, China); Yinhao Wang (Beijing University of Posts and Telecommunications, China); Jun Lu (China Academy of Electronic and Information Technology, China)**
11:30	**#1571349792:** Tail-Latency-Aware Robust Scheduling with Data-Driven Uncertainty for Agentic Workflow **Authors: Yiyang Liu, Wei Wang (Zhejiang University, China); Yitu Wang (North Minzu University, China); Bing Hu, Zhaoyang Zhang (Zhejiang University, China)**

ORAL SESSIONS

Oral Session 35: Security, Privacy, and Trust in Wireless Networks-I

10:45, November 14, 2026 @ Meeting Room 8

Session Chair: Zhiqiang Li, Harbin Institute of Technology

Time	Paper Details
10:45	**#1571328444:** Heterogeneous Multi-Agent DRL-Enabled Secure Cooperative Transmission in Low Altitude Multi-UAV-Assisted MEC Networks **Authors: Yu Ding, Hengcong Zhu, Yangting Chen, Weidang Lu (Zhejiang University of Technology, China); Xianbin Wang (Western University, Canada); Tony Q. S. Quek (Singapore University of Technology and Design, Singapore)**
11:00	**#1571332183:** Secrecy Outage Analysis of Spatial Sigma-Delta Modulation with Low-Resolution DACs **Authors: Bowen Zhang, Xiantao Cheng (University of Electronic Science and Technology of China, China)**
11:15	**#1571333072:** HST-Based Malicious Node Identification for PBFT Consensus in Wireless IoT Blockchains **Authors: Jinhan Zhang, Xuefei Zhang, Zixu Zhou, Qimei Cui, Xiaofeng Tao (Beijing University of Posts and Telecommunications, China)**
11:30	**#1571337244:** Interference-Perception-Guided Adaptive Semantic Reorganization for Anti-Jamming OFDM Transmission **Authors: Jiaqi Zhang, Chen Dong (Beijing University of Posts and Telecommunications, China); Sen Wang (China Mobile Research Institute, China); Hongchao Jiang, Lei Teng, Haotai Liang, Xiaodong Xu (Beijing University of Posts and Telecommunications, China); Xinsong Dong (The National Key Laboratory on Near-Surface Detection, China)**
11:45	**#1571337422:** Power-Efficient Robust Secure Transmission for Pinching-Antenna-Enabled NOMA Networks **Authors: Nian Liu, Hong Wang, Peiyu Wang (Nanjing University of Posts and Telecommunications, China)**

ORAL SESSIONS

Oral Session 36: Recent Advances in Low Altitude Wireless System-III

10:45, November 14, 2026 @ Meeting Room 9

Session Chair: Deyue Zou, Dalian University of Technology

Time	Paper Details
10:45	**#1571345141:** Graph Learning Empowered Relaying Transmission Optimization in Low-Altitude Assisted VDE-TER Systems **Authors: Hao Feng, Yanpeng Dai, Ling Lyu, Shuaiheng Huai, Qing Hu (Dalian Maritime University, China)**
11:00	**#1571345356:** DNN Task Offloading in Space-Air-Ground Integrated Network-Assisted Multi-Access Edge Computing **Authors: Yuxuan He, Aimin Wang, Zemin Sun (Jilin University, China)**
11:15	**#1571345427:** Context-Aware ISAC: Adaptive Information Acquisition for Cooperative UAV Control **Authors: Fan Liu, Xiao Shen (Tsinghua University, China); Jiping Luo (Linköping University, Sweden); Tingting Zhang (Harbin Institute of Technology (Shenzhen), China); Yuan Shen (Tsinghua University, China)**
11:30	**#1571345843:** Ubiquitous Token Services for Low-Altitude Economy: Distributed MoE Inference over Satellite-UAV Networks **Authors: Zhanwei Wang, Huiling Yang (The University of Hong Kong, China); Yuanhao Shi, Yanpeng Dai (Dalian Maritime University, China); Junyu Liu (Xidian University, China); Lei Zhang (China Mobile Group Shaanxi Co., Ltd., China); Kaibin Huang (The University of Hong Kong, China)**
11:45	**#1571345964:** NetAgent: A Scalable Topology-Aware LLM Agent for Multi-UAV Task Allocation **Authors: Aopei Yu, Min Sheng, Junyu Liu, Jiong Li, Yan Shi (Xidian University, China)**

ORAL SESSIONS

Oral Session 37: High-Frequency and Optical Wireless Communications (HF-OWC)-I

14:00, November 14, 2026 @ Boardroom

Session Chair: Haibo Wang, Southeast University

Time	Paper Details
14:00	**#1571331543:** Optimal First-Order Markov Input for 2-PPM Poisson Channels with One-Tap Memory in the Small ISI Regime **Authors: Renzhi Yuan, Siming Wang, Xinyi Chu, Mugen Peng (Beijing University of Posts and Telecommunications, China)**
14:15	**#1571338226:** Visible Light Positioning Based on Rapid Fingerprint Mapping **Authors: Junhao Gao, Han Zhang, Bingcheng Zhu (Southeast University, China); Yifei Sun (Zhejiang Uniview Technologies Co., Ltd., China); Zaichen Zhang (Southeast University, China)**
14:30	**#1571338686:** PD-Aided Dynamic Routing and Power Allocation for Multi-ORIS-Assisted FSO Networks **Authors: Haibo Wang; Hao Jiang, Bingcheng Zhu; Liang Wu; Jian Dang; Zaichen Zhang (Southeast University, China)**
14:45	**#1571345707:** Device Fingerprints of Illumination LEDs and Their Application in Visible Light Positioning **Authors: Xu Xiao, Bingcheng Zhu, Han Zhang (Southeast University, China); Yifei Sun (Zhejiang Uniview Technologies Co., Ltd., China); Zaichen Zhang (Southeast University, China)**

ORAL SESSIONS

Oral Session 38: Emerging Applications and Systems Experiments-I

14:00, November 14, 2026 @ Meeting Room 1

Session Chair: Jiacheng Feng, Pengcheng Laboratory

Time	Paper Details
14:00	**#1571339810:** Demand-Driven Semantic Communication and Resource Allocation for Multi-Source Collaborative Perception **Authors: Zelun Zhou, Xi Li, Xiaoyang Huang, Heli Zhang (Beijing University of Posts and Telecommunications, China)**
14:15	**#1571338538:** Spatial Non-Stationary Channel Measurement and Modeling for U6G XL-MIMO Based on Cluster Birth-Death Process **Authors: Zhengtao Jin, Jiachen Tian, Yu Han, Xiao Li, Shi Jin (Southeast University, China)**
14:30	**#1571338706:** Millimeter-Wave Radar-Based Contactless Screening System for Cardiac Wall Motion Abnormalities **Authors: Hao Zhang, Pengcheng Huang, Binbin Zhang (University of Science and Technology of China, China); Dan Li (The First Affiliated Hospital of University of Science and Technology of China, China)**
14:45	**#1571338725:** CardioMM: Contactless mmWave Radar-Augmented Single-Lead ECG for Hypertrophic Cardiomyopathy Detection **Authors: Yuqian Shi, Pengcheng Huang, Hanqin Gong, Binbin Zhang (University of Science and Technology of China, China)**
15:00	**#1571339666:** Wireless Scheduling and Alignment of Asynchronous Images for 3D Scene Reconstruction **Authors: Juntong Li, Bohai Li, Zhen Meng, Changyang She (Harbin Institute of Technology (Shenzhen), China)**

ORAL SESSIONS

Oral Session 39: Green and Sustainable Wireless Technologies-II

14:00, November 14, 2026 @ Meeting Room 2

Session Chair: Jiashun Hu, Shenzhen Polytechnic University

Time	Paper Details
14:00	**#1571345436:** Computation-Efficient and Interference-Resilient Time-Frequency Synchronization for Sustainable Satellite-Terrestrial Integrated Networks **Authors: Tao Yang, Ting Zhou, Tong Shi, Jinfeng Tian (Shanghai University, China)**
14:15	**#1571345829:** Time and Energy Efficient Multi-UAV Trajectory Optimization: A Mean Field Enhanced MAPPO Approach **Authors: Yanjun Zhou (ShanghaiTech University, China); Yuling Ouyang, Tianheng Xu (Shanghai Advanced Research Institute, Chinese Academy of Sciences, China); Honglin Hu (ShanghaiTech University, China)**
14:30	**#1571345860:** A Novel FER Prediction Method for Coded OTFS Based on Gaussian-Approximated Message-Passing Algorithms **Authors: Yangeng Guo, Jiayi Yang (Sun Yat-sen University, China); Qianfan Wang (City University of Hong Kong, China); Shuangyang Li (Technical University of Berlin, Germany); Linqi Song (City University of Hong Kong, China); Xiao Ma (Sun Yat-sen University, China)**
14:45	**#1571345957:** Energy Efficient Token Communication for Satellite-Air-Ground Integrated Network **Authors: Yichen Wu, Jianxin Dai, Lei Li (Nanjing University of Posts and Telecommunications, China); Zhaohui Yang, Chen Zhu, Zhaoyang Zhang (Zhejiang University, China)**
15:00	**#1571345999:** Coverage Analysis of Cache-Enabled Relay-Assisted LEO Satellite – Terrestrial Networks **Authors: Tianming Feng (The 54th Research Institute of China Electronics Technology Group Corporation, China); Chenyu Wu (Harbin Institute of Technology, China); Liquan Wang, Xiangyu Lu (The 54th Research Institute of China Electronics Technology Group Corporation, China)**

ORAL SESSIONS

Oral Session 40: IoT and Massive Connectivity in 5G-Advanced and 6G-I

14:00, November 14, 2026 @ Meeting Room 7

Session Chair: Wen Wu, Pengcheng Laboratory

Time	Paper Details
14:00	**#1571311080:** A Novel Underground IoT Application for the Deployment and Evaluation of QDPSK Signal Transmission in Oil Wells **Authors: Zetao Zhang, Deyue Zou, Feilong Wang, Yicheng Sun (Dalian University of Technology, China); Yongxiang Xu (Harbin Institute of Technology, China)**
14:15	**#1571321603:** WiFlow: A Lightweight WiFi-Based Continuous Human Pose Estimation Network with Spatio-Temporal Feature Decoupling **Authors: Yi Dao, Lankai Zhang, Hao Liu (Kunming University of Science and Technology, China); Haiwei Zhang (ChingMu Technology Co., Ltd., China); Wenbo Wang (Kunming University of Science and Technology, China)**
14:30	**#1571337470:** Minimum Throughput Maximization for Integrated Sensing and Wireless Powered Communication Systems with Hardware Impairments **Authors: Yuqi Huang, Jia Zhu, Libao Yang, Hao Hui, Siyu Li (Nanjing University of Posts and Telecommunications, China)**
14:45	**#1571338590:** Interference-Coordinated Terminal Clustering and Resource Allocation for HRLLC **Authors: Xinze Li, Tao Peng, Yichen Guo, Yujie Zhao, Wenbo Wang (Beijing University of Posts and Telecommunications, China)**
15:00	**#1571338790:** Value of Information-Oriented IoTD Scheduling Based on Hybrid MAB-Lyapunov Online Optimization in Satellite-IoT Networks **Authors: Zeyi Hong, Cheng Ma, Zewei Jing, Ying Ouyang, Mingwu Yao (Xidian University, China); Liping Qian (Sun Yat-sen University, China); Haijun Zhang (University of Science and Technology Beijing, China); Yuan Wu (University of Macau, China)**
15:15	**#1571338926:** Joint UAV Scheduling and SFC Deployment in Two-Layer UAV-Assisted Vehicular Networks via Transformer-Based Reinforcement Learning **Authors: Jing Ma, Hefei Hu, Shang Shen (Beijing University of Posts and Telecommunications, China)**

ORAL SESSIONS

Oral Session 41: Security, Privacy, and Trust in Wireless Networks-II

14:00, November 14, 2026 @ Meeting Room 8

Session Chair: Zhiqiang Li, Harbin Institute of Technology

Time	Paper Details
14:00	**#1571337619:** MA-Enabled Networked ISAC Systems for Joint Multi-Target Sensing and Secure Communications **Authors: Yan Yang, Jianwei Zhao (Rocket Force University of Engineering, China); Zhendong Li (Xi'an Jiaotong University, China); Guojie Hu, Jia Weimin (Rocket Force University of Engineering, China); Wen Chen (Shanghai Jiao Tong University, China); Feifei Gao (Tsinghua University, China)**
14:15	**#1571338828:** Covert Communications in near-Field XL-MIMO Systems with Uncertain Warden Location **Authors: Panyu Jia, Ce Guo, Caihao Weng, Ying Wang (Beijing University of Posts and Telecommunications, China)**
14:30	**#1571339335:** Dynamic Chirp Parameter Assisted Artificial Noise for Secure AFDM **Authors: Yibo Wang, Wei Liu, Jinkun Zhu, Yuhang Tang (National University of Defense Technology, China)**
14:45	**#1571339557:** Robust Beamforming via Adaptive Sector Partitioning for Near-Field Physical Layer Security **Authors: Jiaxuan Xue, Xiaolei Qi, Baogang Li (North China Electric Power University, China)**
15:00	**#1571339721:** Cross-View Self-Supervised Learning with Masked Feature Reconstruction for Few-Shot Radio Frequency Fingerprint Identification **Authors: Haiming Li, Mingsu Lin, Ming Hou, Tianqi Yu, Jianling Hu (Soochow University, China)**

ORAL SESSIONS

Oral Session 42: Recent Advances in Low Altitude Wireless System-IV

14:00, November 14, 2026 @ Meeting Room 9

Session Chair: Yapeng Zhao, Shenzhen University

Time	Paper Details
14:00	**#1571346562:** BoltAttention: Cross-Domain Distance-Aware Attention for Generative OTFS Waveform Design in Low-Altitude Communications **Authors: Yuzhou Li, Xuan Sun (Huazhong University of Science and Technology, China); Fuhui Zhou (Nanjing University of Aeronautics and Astronautics, China); Wenyao Yao, Weiyi Ding (Huazhong University of Science and Technology, China); Qihui Wu (Nanjing University of Aeronautics and Astronautics, China)**
14:15	**#1571346979:** Latent State Interaction Based Multi-Agent Trajectory Prediction in Low-Altitude Networks **Authors: Tiankai Jiang, Jingbo Liu, Haibo Zhou (Nanjing University, China); Xuemin (Sherman) Shen (University of Waterloo, Canada)**
14:30	**#1571349350:** Robust Integrated Localization and Sensing with Imperfect UAV State Information in LAWN **Authors: Jiayan Yang, Tianhao Liang, Tingting Zhang (Harbin Institute of Technology (Shenzhen) China); Longyu Zhou (United Arab Emirates University, United Arab Emirates); Nanchi Su, Xingjian Zhang (Harbin Institute of Technology (Shenzhen), China); Weijie Yuan (Southern University of Science and Technology, China)**
14:45	**#1571349926:** High-Efficiency Semantic Image Communications for UAVs Based on Token Customization and Rearrangement **Authors: Chenyao Liu, Xiaoxuan Liu, Liyang Lu, Xinli Wang, Wenjun Xu, Ping Zhang (Beijing University of Posts and Telecommunications, China)**

ORAL SESSIONS

Oral Session 43: High-Frequency and Optical Wireless Communications (HF-OWC)-II

16:00, November 14, 2026 @ Boardroom

Session Chair: Dawei Wang, Northwestern Polytechnical University

Time	Paper Details
16:00	**#1571346000:** Rate Floor Triggered Handover for Edge User Protection in Terahertz Multi-Beam LEO Downlinks **Authors: Shuai Han, Yi Hu, Zhiqiang Li (Harbin Institute of Technology, China); Boris Bellalta (Universitat Pompeu Fabra, Spain); Evgenii Vorobev (Saint Petersburg Electrotechnical University, Russia); Chong Wang (Guomai Communications Planning and Design Co., Ltd., China)**
16:15	**#1571346337:** RIS-Assisted OFDM-OAM Physical-Layer Secret Key Generation **Authors: Yun Xin, Tong Liu, Zhaoqian Zhang, Dawei Wang (Northwestern Polytechnical University, China); Yixin He (Jiaxing University, China); Rustem Ibragimov (Al-Farabi Kazakh National University, Kazakhstan); Yi Ji, Li Li (Northwestern Polytechnical University, China)**
16:30	**#1571346370:** Passive Line-Scanning Optical ISAC for Wide-Coverage Short-Range Access **Authors: Mengyuan Xu, Jiayuan Wei, Mingliang Xiong, Mingqing Liu, Wen Fang, Qingwen Liu, Bin He (Tongji University, China)**
16:45	**#1571346529:** Geometry-Aware Massive Spatial Multiplexing for Imaging-Fiber Optical Camera Communication **Authors: Zhuoran Hu, Xinyi Liu, Yunkai Wang, Fujie Li, Zengyi Xu (Fudan University, China); Shuan Pan, Sheng Cao, Jianli Zhang, Li Wang (Nanchang University, China); Nan Chi (Fudan University, China)**

ORAL SESSIONS

Oral Session 44: Emerging Applications and Systems Experiments-II

16:00, November 14, 2026 @ Meeting Room 1

Session Chair: Haibo Wang, Southeast University

Time	Paper Details
16:00	**#1571337741:** Compact Time-Continuous Beat-Timing Representation for Short-Window Smartphone Cardiac Sensing **Authors: Jinzhong Deng, Dongheng Zhang, Yutong Yuan (University of Science and Technology of China, China)**
16:15	**#1571345084:** Knowledge-Enhanced Contrastive Transfer Learning with Dynamic Masking for Cross-Domain Semantic Matching **Authors: Cong Wu, Xiangyi Wang, Zhaole Shi, Chunyu Chen, Haoran Xiao, Ning Sun (Nanjing University of Posts and Telecommunications, China)**
16:30	**#1571346110:** Multidimensional QoI-Aware Optimization for Interactive Holographic Communication **Authors: Xueming Pan, Lu Yuan, Rui Ding, Hao Zhou, Fuhui Zhou, Qihui Wu (Nanjing University of Aeronautics and Astronautics, China)**
16:45	**#1571347841:** State-Space Semantic Modeling for Efficient Image Joint Source-Channel Coding **Authors: Xincheng Zhou, Dongxuan He, Jintao Huang, Xiang Xie, Huachun Tan, Yanan Zhao (Beijing Institute of Technology, China)**
17:00	**#1571349927:** Communication-Efficient Multimodal Semantic Transmission for UAV-Assisted Multitask Sensing **Authors: Renwei Ou, Xingcheng Liu, Peiran Wu (Sun Yat-sen University, China)**

ORAL SESSIONS

Oral Session 45: Green and Sustainable Wireless Technologies-III

16:00, November 14, 2026 @ Meeting Room 2

Session Chair: Haotong Cao, Nanjing University of Posts and Telecommunications

Time	Paper Details
16:00	**#1571337689:** Green-Energy-Aware Multi-Agent Reinforcement Learning for Mobile User Association and Handover **Authors: Zhangyi Du, Xiaohui Chen, Huarui Yin, Weidong Wang (University of Science and Technology of China, China)**
16:15	**#1571346400:** RF-Band Visible-Light Transparent Reconfigurable Intelligent Surface with Solar Cell Integration **Authors: Shengping Wang, Zaichen Zhang (Southeast University, China); Chunjun Sun (China Energy Engineering Group Jiangsu Power Design Institute Co., Ltd., China); Huijuan Jiang (Jiangsu Guoxin Investment Group Limited, China)**
16:30	**#1571346421:** Joint VNF Placement and TCP/RDMA Protocol Selection for End-to-End Latency Optimization **Authors: Hongqin Ji, Jie Sun (Nanjing University of Posts and Telecommunications, China); Lianlian Zhang (Hebei University of Architecture, China); Haoqiang Liu (University of Science and Technology Beijing, China); Huong Wang, Yong Li (Tsinghua University, China)**
16:45	**#1571346424:** Priority- and Reliability-Aware Primary-Backup Virtual Network Function Placement **Authors: Yusheng Liu, Jie Sun, Linqing Gui (Nanjing University of Posts and Telecommunications, China); Haoye Chai (Beijing University of Posts and Telecommunications, China); Huandong, Yong Li (Tsinghua University, China)**
17:00	**#1571346447:** Energy-Outage-Oriented Finite-Length Probabilistic Amplitude Shaping for SWIPT **Authors: Qianfan Wang (City University of Hong Kong, China); Jiayi Yang (Sun Yat-sen University, China); Wanchen Hu, Jie Yang (Fudan University, China); Shuangyang Li (Technical University of Berlin, Germany); Peihong Yuan (Fudan University, China); Linqi Song (City University of Hong Kong, China); Xiao Ma (Sun Yat-sen University, China)**

ORAL SESSIONS

Oral Session 46: IoT and Massive Connectivity in 5G-Advanced and 6G-II

16:00, November 14, 2026 @ Meeting Room 7

Session Chair: Wen Wu, Pengcheng Laboratory

Time	Paper Details
16:00	**#1571339023:** Large-Small Model Collaborative Inference for Low-Altitude UAV Surveillance **Authors: Jiayi Cong, Wen Wu, Zhi Mao (Pengcheng Laboratory, China); Changsheng You (Southern University of Science and Technology, China); Ping Dong (Beijing Jiaotong University, China); Xuemin (Sherman) Shen (University of Waterloo, Canada)**
16:15	**#1571339515:** Resource Allocation Based on Hierarchical Network Slicing for Connectivity Maximization in IIoT With Differentiated Services **Authors: Yingying Xu, Yuhan Xue, Feng Yan, Weiwei Xia, Lianfeng Shen (Southeast University, China); Song Xing (California State University, United States of America)**
16:30	**#1571339519:** Area Spectral Efficiency Analysis and Sequential Parameter Selection for Clustered Symbiotic Ambient Backscatter Networks **Authors: Dan Zhang, Qi Zhu (Nanjing University of Posts and Telecommunications, China)**
16:45	**#1571346012:** Doppler-Refined Message Passing for LEO Joint Activity Detection and Channel Estimation **Authors: Jiaye Wang, Shuyi Chen (Harbin Institute of Technology, China); Yifan Qin (Harbin Engineering University, China); Weixiao Meng, Lin Ma (Harbin Institute of Technology, China); Sebastián E. Godoy (University of Concepción, Chile)**
17:00	**#1571346330:** Multi-Level Power Control for Massive Connectivity with AMP Receiver **Authors: Chunxiao Chen, Shengsong Luo, Chongbin Xu, Xin Wang (Fudan University, China); Xiaojun Yuan (University of Electronic Science and Technology of China, China)**

ORAL SESSIONS

Oral Session 47: Security, Privacy, and Trust in Wireless Networks-III

16:00, November 14, 2026 @ Meeting Room 8

Session Chair: Mingjie Liu, Northwestern Polytechnical University

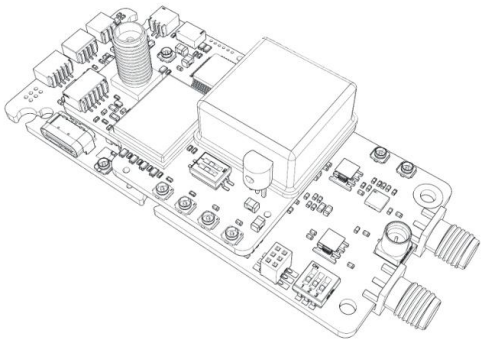
Time	Paper Details
16:00	**#1571346171:** Low-Resolution OTFS Receiver with Unfolded GEC-SR Detection **Authors: Yamin Hu, Shuai Han, Chenyu Wu (Harbin Institute of Technology, China)**
16:15	**#1571346463:** A Multi-Source Industrial 5G-Advanced Security Dataset with Cross-Domain Anomaly Detection Across UE, MEC, and RAN **Authors: Fangying Dong (Tsinghua University, China); Xuanrui Guo (Jiangsu University of Technology, China), Kerui Lin, Maoqiang Wu (South China Normal University, China); Zuojun Dai (Jiangsu University of Technology, China); Shidong Zhou (Tsinghua University, China)**
16:30	**#1571346514:** Dual-UAV Cooperative Switching Secure Communication: Joint Switching Factor and Trajectory Design Optimization **Authors: Gengyan Li, Ningze Yuan (Shanghai Aerospace Control Technology Institute, China); Di Hu (Nanjing Tech University, China)**
16:45	**#1571346649:** Trust-Weighted over-the-Air Federated Learning for Mitigating Direction-Based Model Poisoning Attacks in 6G Networks **Authors: Vedant Patil (Symbiosis Institute of Technology, India), Abderrahim Benslimane (Avignon University, France); Deepali Vora (Symbiosis Institute of Technology, India); Ngoran Magnuss Dufe (Avignon University, France); Zhou Su (Xi'an Jiaotong University, China)**

PORTABLE STANDALONE SDR PLATFORM

GSR-AIR56

面向低空飞行 OTA 试验的 SDR 载荷

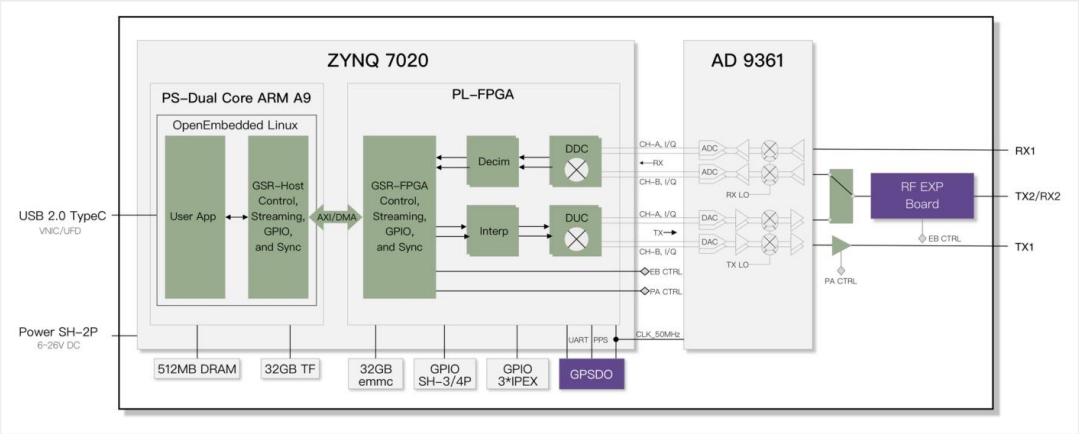
AN SDR PAYLOAD FOR OTA TESTING IN LOW-ALTITUDE FLIGHT



无需编程，**到手即用**。核心理念是 **App 可脱离上位机独立运行**—— 上电即按脚本自动收发，适用于信道测量、空口链路测试与基站巡检。

工作频率	瞬时带宽	通道配置	基带平台	外形尺寸	整机重量
400M–6G Hz	**56 MHz**	**1Tx/1Rx TDD • FDD**	**Zynq -7020**	**84×34 mm**	**20 g**

■ 系统框图 • SYSTEM BLOCK DIAGRAM　　AD9361 • ZYNQ 7020 | 32GB TF • 32GB eMMC | Power SH-2P / Type-C



01 核心参数　HARDWARE

通道配置	**1TX/1RX 全双工 + 1TX/1RX 半双工**
工作频率	**400 MHz – 6 GHz**（整机）
瞬时带宽	**⩽ 56 MHz**
发射功率	**20 dBm** 标配 / **30 dBm** 配 PA
射频接口	**TX2 • RX1** SSMA；**TX1/RX2** SMP
SoC / 处理器	**Zynq-7020** • 866 MHz 双核 A9
内存 / 存储	**512 MB DDR3 + 32 GB eMMC + 32 GB TF**
功耗 / 尺寸	**4 – 12 W** • **84×34×5 mm**（含选件 18 mm） • **20 g**

02 供电策略　POWER

⩽ 10 W 轻负荷	Type-C 供电（**5V 2A**）
> 10 W 高负荷	必须改用 **SH-2P** 供电。

安全须知 • SAFETY

- 上电前先接天线，否则易烧坏 PA。
- 与周边物体保持 ⩾ 5 mm 间距。
- 长时间运行建议加风扇散热。

03 典型应用场景

体积小 • 重量轻 • 功耗低 • 供电灵活

■ 信道测量	■ 空口链路测试	■ 基站巡检	■ 无人机载荷
GPSDO 同步，触发采集 IQ	双 App 配合验证收发链路	脚本自动采数，免上位机	20 g + 9–20 V 机载直取电

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