

Call for Paper

2026 International Conference on Future Communications and Networks (FCN)

Oct 28 – Nov 1, 2026

Bologna, Italy



Workshop on Advanced AI-Empowered Signal Processing and Resource Management for Next-Generation Mobile Networks

<http://www.future-forum.org.cn/en/fcn2026/call-workshop-papers/ws01.html>

- - Important Dates - -

Workshop date: Oct. 28, 2026

Submission deadline: Aug. 1, 2026

Acceptance notification: Aug. 20, 2026

Camera-ready paper: Sept. 20, 2026

Workshop Organizers

General Chair

Gang Wu, University of Electronic Science and Technology of China, China

Vladimir Poulkov, Technical University of Sofia, Bulgaria

Yue Xiao, University of Electronic Science and Technology of China, China

TPC Co-Chairs

Saviour Zammit, University of Malta, Malta

Jie Tian, China Academy of Engineering Physics, Institute of Electronic Engineering, China

Ping Yang, University of Electronic Science and Technology of China, China

Invited Talk Co-Chairs

Yulan Gao, Royal Institute of Technology, Sweden

Shu Fang, University of Electronic Science and Technology of China, China

Workshop Co-Chairs

Kaiwen Yu, University of Electronic Science and Technology of China, China

Chaowu Wu, Chongqing University of Posts and Telecommunications, China

Publication Chair

Dengsheng Lin, University of Electronic Science and Technology of China, China

Lilin Dan, University of Electronic Science and Technology of China, China

Overview

The Workshop of the 2026 International Conference on Future Communications and Networks (FCN) aims to bring together researchers and practitioners from academia and industry to exchange ideas and discuss recent research on advanced AI-empowered signal processing and resource management for next-generation mobile networks. With the rapid development of advanced artificial intelligence, AI-driven approaches are expected to play an important role in beyond-5G and 6G systems. The workshop will feature keynote speeches, invited talks, technical presentations and poster sessions. The workshop will be held in Bologna, Italy, on October 28 – November 1, 2026.

Topics of Interest

Prospective authors are invited to submit high-quality, original manuscripts on topics including, but not limited to:

- Advanced AI-empowered signal processing for wireless communications
- Learning-based channel estimation and interference mitigation
- Advanced AI-enabled integrated sensing and communication (ISAC)
- Advanced AI-assisted resource allocation and spectrum management
- Advanced AI-driven waveform design, beamforming, and precoding
- Intelligent network optimization and self-organizing networks
- Algorithm and datasets for distributed autonomous network and edge AI
- AI-enabled immersive communication with advanced immersive codec
- Large models and foundation models for wireless communication systems
- Testbeds and experimental validation of AI-enabled wireless networks

Please visit the conference website for detailed topics of each symposium.

Paper Submission Guidelines

Papers should be submitted via EDAS (<https://edas.info/>). Prospective authors should prepare their manuscripts in accordance with the standard IEEE camera-ready format. Submitted papers must not have been previously published in or under consideration for publication in another journal or conference. The FCN 2026 organizing committee reserves the right not to review papers that either exceed the length limit or have been submitted or published elsewhere. All accepted papers must be presented onsite at the conference. Accepted papers will be submitted for inclusion into IEEE Xplore and then indexed by EI Compindex.