

Call for papers

Mobile and Wireless Networks (MWN) Symposium

FCN 2026

Bologna, Italy, on Oct. 28 – Nov. 1, 2026

<http://www.future-forum.org.cn/en/fcn2026/index.html>

Co-Chairs:

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Scope

Mobile and wireless networks play a pivotal role in enabling and advancing cutting-edge technologies and services across data networking, telecommunications, and next-generation networks. These emerging services, in turn, are reshaping wireless networks in multiple dimensions — from communication paradigms and novel topologies to innovative technologies, efficient protocols, and groundbreaking applications. This symposium aims to showcase original research and developments in these rapidly evolving areas, including new tools and methodologies for the design, analysis, and optimization of wireless networks. Topics of interest for this symposium include, but are not limited to:

- 4G/5G/6G networks and beyond
- Small cells and femtocell networks
- Wireless mesh networks
- Cognitive radio networks
- Vehicular wireless networks (V2X communications)
- Unmanned Aerial Vehicle (UAV) networks
- Underwater wireless communication networks
- Delay-tolerant and disruption-tolerant wireless networks
- Software-defined wireless networks (SDWN)
- Wireless multimedia and real-time communication networks
- Millimeter-wave (mmWave) and Terahertz (THz) wireless networks
- Energy harvesting and self-sustainable wireless systems
- Wireless optical communication (LiFi and FSO) networks
- Artificial Intelligence (AI) and Machine Learning (ML) for wireless networking
- Wireless network virtualization and network slicing
- Edge, fog, and cloud-assisted wireless networking
- Pervasive, wearable, and body-area networks
- WLAN, WPAN, WBAN, and other personal/home networking technologies
- Ultra-reliable low-latency communication (URLLC)
- Coexistence and interoperability of heterogeneous wireless networks in shared/unlicensed spectrum
- Device-to-device (D2D) and machine-to-machine (M2M) communications
- Innovative network architectures and protocols for wireless systems
- Medium access control (MAC) protocols
- Routing protocols and algorithms for wireless networks

- Flow and congestion control mechanisms
- Topology control and network scalability
- Mobility management, handoff strategies, and location-aware services
- Quality of Service (QoS) and Quality of Experience (QoE) provisioning
- Tracking, positioning, and localization technologies
- Resource allocation, scheduling, and interference management
- Cross-layer design, optimization, and performance analysis
- Traffic modeling, prediction, and intelligent traffic management
- Reliability, fault tolerance, and self-healing mechanisms
- Testbeds, simulations, and real-world deployment of wireless systems
- Standardization efforts and emerging wireless communication protocols
- Security, privacy, and trust in wireless networks
- Green and sustainable wireless networking
- Integration of 6G, satellite, and non-terrestrial network technologies
- Mobile crowdsensing

Submission Guidelines

Prospective authors should follow the instructions at <http://www.future-forum.org.cn/en/fcn2026/Kit.html> to prepare their manuscripts. All papers should be submitted via EDAS. Submission information can be found at <http://www.future-forum.org.cn/en/fcn2026/Submission.html>