

BalkanCom 2025 - Empowering connections, enabling innovation

Eighth International Balkan Conference on Communications and Networking

Piraeus, Greece, June 17-20, 2025



CALL FOR PAPERS

BalkanCom is a premier technical conference in communications and networking in the Balkan region. The goal of BalkanCom is to bring together researchers from academia, research labs and industry from all over the world to the geographical and historical region of the Balkans. With the theme Empowering connections, enabling innovation, BalkanCom 2025 highlights a momentous aspect of modern communications, continuing the best tradition of scientific conferences, while being completely not for profit. The eighth edition of the conference, sponsored by IEEE ComSoc, will take place on 17-20 June 2025 in Piraeus, Greece.



We solicit technical papers describing original, completed, and unpublished work not currently under review by any other journal/magazine/conference. Topics of interest include, but are not limited to:

- Channel modeling
- Signal processing for communications
- Performance analysis and information theory
- Hardware-constrained communication systems
- Molecular, biological, and nanoscale communications
- Underwater communications
- Reconfigurable intelligent surfaces and smart environments
- Multi-scale communication systems
- Communication systems for resource-constrained devices
- High-frequency (mm-wave, terahertz, optical) communications
- Quantum communications
- Green communication systems and networks
- Energy harvesting and energy sharing
- Cellular and cell-free networks
- Next-generation networking and internet
- Aerial, mobile, and wireless networks
- AI and machine learning for communications and networking
- Semantic and goal-oriented communications
- Internet of Things communications and networking
- Integrated sensing and communications
- Satellite and space communications
- Wireless optical computing and communications
- Localization, tracking, and context-aware wireless communications
- Data driven network design and optimization
- Cloud/edge computing, networking, and data
- Computing continuum and communications
- Cross-layer modeling, design, and optimization
- Software defined networking and network softwarization
- Methodologies for network softwarization (DevOps, NetOps, Verification)
- Open Radio Access Networks (O-RAN), Network Function Virtualization (NFV)
- Time-sensitive networks
- Network slicing and slice management
- Network orchestration
- Communications for smart infrastructures
- Resilient communications for critical infrastructures
- Public safety communications
- Information and Communication Technologies for Disaster Management
- Security and Blockchain technology for communications
- Communication in social networks
- Connected car, intelligent transportation, smart grids
- Communications for e-Health, smart agriculture, etc.
- Communications for the metaverse
- Experimentation facilities and testbeds
- Industrial communications

Submission Guidelines

Submissions must be full papers, no longer than 6 pages in **IEEE double-column format**, including figures and references, and submitted via **EDAS**. **The peer review is single blind, with minimum three reviewers assigned per paper and accepted papers will be submitted for inclusion into IEEE Xplore.** BalkanCom reserves the right to exclude a paper from distribution after the conference, if the paper is not presented at the conference.

Important Dates

Paper submission deadline: February 16, 2025

Notification of acceptance: April 13, 2025

Camera-ready papers due: April 27, 2025

Best papers will be invited for a special issue of the **ITU-JFET Journal**.

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