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Communications & Networks Connect

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Open Access Peer-Reviewed Journal Specialized in
Communications and Networking

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Communications & Networks Connect

A Journal Specialized in Communication and Networking

Volume: 3, 2026

Subject Categories

Artificial Intelligence | **Computer Networks and Communication** | **Optics**

Target Audience

This journal is designed for researchers, academics, policymakers, and industry professionals engaged in the dynamic fields of communication and optics.

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Message from EiC

As we enter Volume 3 in 2026, Communications & Networks Connect continues its mission to advance research in the future of digital connectivity. Our previous volumes have established a robust foundation of open-access publications that cover a diverse range of topics, including terrestrial, non-terrestrial, and underwater communications and networks. This year, we are focused on expanding our scope by incorporating emerging areas such as artificial intelligence (AI) driven communications and sustainable networks.

We have introduced two special issues: “Innovations in Next-Generation Communication and Optical Networks” and “Advances in Quantum Cryptography and Its Applications.” In addition, we plan to announce more special issue topics throughout 2026. We invite researchers to contribute their work and propose special issues on topics that have the potential to redefine connectivity. Let’s make 2026 a year of significant discoveries and advancements in the field.

Aims and Scope

Communications & Networks Connect is a multidisciplinary journal dedicated to advancing communication and networks across the electromagnetic spectrum, including radio, mmWave, THz, and optical technologies. This journal aims to promote innovative research and foster collaboration across diverse disciplines to enhance communication technologies and networks. It welcomes research on both wireless and wired systems, such as free-space and fiber-based optical systems. The journal invites submissions on topics related to efficient, flexible, secure, and resilient communications and networks, encompassing hybrid/heterogeneous radio, mmWave, THz, and optical deployments. Embracing end-to-end systems, from theory to practical applications.

Key Topics

- Artificial intelligence (AI) and machine learning (ML) in communications and networks
- Advanced modulation schemes and coding
- Signal processing for communication
- Joint communication and sensing
- 5G/6G and NextG networks
- Internet-of-Things (IoT) and sensor networks
- Wireless communications networks (radio, mmWave, terahertz, and optical)
- Passive optical networks, multi-fiber networks, and elastic networks
- Satellite and quantum networks
- High-Altitude Platform Systems (HAPS) and Unmanned Aerial Vehicle (UAV) communications and networking
- Radio, mmWave, THz, and optical devices and circuits
- Design and demonstration of systems and testbeds for emerging technologies
- Data center networks and their connectivity solution
- Non-conventional networks (nano, molecular, underwater, underground, etc.)
- Security and resiliency for communication systems
- Cross-disciplinary applications: connecting the unconnected, smart cities, autonomous vehicles, and healthcare communications
- Energy-efficient communication techniques
- Information theory for next-generation communication systems

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