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Comm&Optics Connect

A Journal Specialized in
Communication & Optics

Editor-in-Chief

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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

Comm&Optics Connect is a multidisciplinary journal that focuses on advancements in optical communications. The journal encourages submissions on topics related to efficient, flexible, secure, and resilient transmissions. The journal covers end-to-end systems, from theory to practice, and includes the categories of Free Space Optical Communications, Machine Learning (ML) in Optical Communications, Devices and Circuits, and Lab and Field Demonstration.

Aims and Scope

Comm&Optics Connect (Communication and Optics Connect) is a multidisciplinary journal dedicated to advancing optical communication and networks encompassing both free space and fiber-based systems. The journal welcomes submissions on topics related to efficient, flexible, secure, and resilient communications and networks across hybrid RF/optical systems. Embracing end-to-end systems, from theory to practical applications.

Key Topics

- Advanced modulation schemes and coding
- AI and ML in optical communications and networks
- Devices and circuits
- Internet of Things (IoT) and sensor networks
- Hybrid Communication/Sensing Systems
- Multi-fiber networks and elastic networks
- Network sensing technology
- Optical amplifier
- Optical communication, telecommunication, transmitters, and receivers
- Optical signal processing
- Optical wireless communication
- Passive optical networks
- Satellite and quantum optical networks
- Signal processing for communications
- Wireless communications networks (radio, terahertz, and optical)
- Data center networks
- Design and demonstration of systems and testbeds
- Information theory
- Non-conventional networks (nano, molecular, underwater, underground, etc.)

