



AOCN – Advanced Optical Communications Systems and Networks

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The paper submission deadline is February 15, 2026.



Topics Include

- Digital signal processing in optical communications
- Machine learning for optical communications
- Advanced modulation techniques for optical systems
- Optical signal processing in optical communications
- Radio over Fiber (RoF) technologies and architectures
- Integration of RoF with 5G
- Innovations in RoF for improved efficiency and capacity
- Challenges and solutions in RoF deployments
- RoF applications in mobile and fixed networks
- Security and privacy issues in optical communications
- Optical network architectures and protocols
- ML for optical network optimization
- Energy-efficient and sustainable optical networks
- Optical fiber technology innovations
- Optical communications for IoT and data centers
- Fundamentals and advancements in Free Space Optics (FSO)
- FSO in terrestrial and satellite communications
- Atmospheric effects on FSO links
- Optical beamforming and tracking
- Hybrid RF/FSO systems