



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