

Special Issue

Secure and Reliable Autonomous Optical Communications and Networks

Message from the Guest Editor

Secure communications have become a requirement for virtually all kind of applications. Specifically, the security level enabled by Quantum communications allows eavesdropping detection and guarantees the security of the key. However, the main drawback of current QKD solutions is its high cost, which limits their real applicability. The topics of interest for this Special Issue include, but are not limited to:

- Cost-effective high-capacity technologies, including multi-band (MB);
- Novel optical transmission and switching schemes and architectures;
- Pervasive telemetry;
- ML in Optical Communications and Networks;
- Energy consumption minimization;
- Highly reliable optical communications;
- Optical networks programmability;
- Optical wide and metro -area network management;
- Optical communications at the network edge supporting 5G/6G,
- Security aspects of optical communications, including Quantum Key Distribution (QKD).

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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