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## Secure and Reliable Autonomous Optical Communications and Networks

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Deadline for manuscript  
submissions:

**closed (20 April 2023)**

### 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).



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# Special Issue



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## Message from the Editor-in-Chief

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