

# Special Issue

## Advances in Photonic Technologies and Cryptographic Applications

### Message from the Guest Editors

This Special Issue aims to highlight the recent progress and trends in photonic technologies with applications in optical communications, ranging from classical to quantum domains. This issue will accept high-quality manuscripts reporting original research results and survey articles of exceptional merit, and it will present the readers of this journal with the most recent outcomes and trends in this fundamental research area.

### Keywords

- optical modulation
- self-coherent detection
- phase-sensitive and -insensitive amplification
- programmable photonics
- nonlinear optics
- silicon photonics
- photonic integrated circuits
- quantum photonic state generation
- quantum detection
- quantum key distribution
- quantum random number generation
- quantum effects in optical waveguides
- quantum cryptography primitives, protocols, and algorithms
- digital signal processing supporting coherent detection

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 November 2022)



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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