Special Issue

Advances in Applied Optics and Optical Signal Processing

Message from the Guest Editors

The rapid development of the digital era requires highspeed and high-performance applied optics and optical signal processing techniques to realize the generation, encryption, transmission, processing, display, and computing of high-speed broadband signals. This Special Issue focuses on the latest advances of technologies in optical communications, encryption, sensing, computing, metrology and microwave applications, from systems/subsystems to integrated photonic devices/systems. This Special Issue will publish high-quality, original research papers in the overlapping fields of:

- Wideband optical communication;
- Photonic encryption;
- Artificial intelligence and machine learning in optical information processing;
- Microwave photonics;
- Thz photonics;
- Photonic neural networks;
- Optical sensing.

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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.

Editor-in-Chief

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