

Special Issue

Advances in Applied Optics and Optical Signal Processing

Message from the Guest Editors

The rapid development of the digital era requires high-speed 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.

Guest Editors

Dr. Xianfeng Tang

State Key Laboratory of Information Photonics and Optical Communications, Beijing University of Posts and Telecommunications, Beijing 100876, China

Prof. Dr. Jianping Li

School of Information Engineering, Guangdong University of Technology, Guangzhou 510006, China

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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