Special Issue

Advanced Optoelectronic Devices and Systems

Message from the Guest Editor

Photoelectric technology has been greatly developed thanks to the rapid progress and cross-fusion of modern optics, precision machine, control science, computer science, and so on. Advanced optoelectronic devices and systems play an important role in remote sensing, microscopic imaging, optical communication, and other fields but also drive or promote the development of related physical principles, sensors, and system integration research. This Special Issue aims to discuss the optical principles and innovative technologies involved in the design and implementation of optoelectronic systems and discuss how to solve the problems of performance improvement or design of new optoelectronic systems through multidisciplinary approaches. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Advanced optics design;
- Optics, machine, and control systems;
- Airborne/space remote sensing systems;
- Optical communication;
- Microscope imaging;
- Novel imaging technology;
- Computing imaging;
- Optoelectronic systems and AI;
- Optical sensors;
- Optical IC and semiconductors.

Guest Editor

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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.

Editor-in-Chief

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