Special Issue

Design and Applications of Novel Nanophotonics Devices

Message from the Guest Editor

Nanophotonics, the intersection of nanotechnology and photonics, explores the behavior of light on the nanometer scale and the interactions of nanometer-sized objects with light. This Special Issue aims to collate research papers that explore the design and applications of cutting-edge nanophotonic devices. By manipulating light at scales smaller than its wavelength, these devices offer advanced capabilities in terms of size, efficiency, and functionality. The applications range from optical communication and computing to advanced imaging, sensing and many others. Emphasizing both fundamental concepts and real-world implementations, this Special Issue seeks to underscore the transformative potential of nanophotonics in reshaping modern technology. Following are some examples of key advancements: Metamaterials and Metasurfaces; Quantum Dot-based Devices; Silicon Photonics; Nonlinear Nanophotonic Devices; Plasmonic Devices. For more details: https://www.mdpi.com/si/188721

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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