Special Issue

Fundamentals and Design of Micro/Nano Photonic Devices

Message from the Guest Editors

Micro/nano photonic devices constitute a rapidly evolving research frontier with profound implications for many areas, including optical communication, information processing, sensing, and quantum technologies. The capacity of these devices to manipulate light at micro-/nano-scales enables the realization of ultracompact, high-speed, and energy-efficient photonic functionalities that are unattainable with conventional optical systems. This Special Issue on "Fundamentals and Design of Micro/Nano Photonic Devices" welcomes original research articles and critical reviews in areas including, but not limited to, the following:

- Fundamental mechanisms of light-matter interaction in micro/nano structures:
- Design and optimization of micro/nano photonic devices;
- Micro/nano light sources, modulators, detectors, and integrated photonic circuits;
- Fabrication technologies and novel materials for micro/nano photonics;
- Emerging applications in optical communication, quantum information, biosensing, and energy-efficient photonics.

Guest Editors

Dr. Taojie Zhou

School of Microelectronics, South China University of Technology, Guangzhou 510641, China

Dr. Guohong Xiang

State Key Laboratory of Displays and Optoelectronics, Hong Kong University of Science and Technology, Hong Kong, China

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Photonics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

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About the Journal

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 peerreviewed 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.

Editor-in-Chief

Prof. Dr. Nelson Tansu

School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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