Special Issue

Research in Computational Optics

Message from the Guest Editors

Computational optical methods have occupied a significant space in optics research, contributing to the design of optical components, simulation of optical fields, reconstruction of images, noise reduction, aberration correction, cryptography, and tomography. This Special Issue aims to focus on the latest developments in computational techniques that can impact an area of optics. There have been many Special Issues on topics such as holography, cryptography, optical trapping, computational imaging, etc., but no Special Issue is available on computational methods for imaging. This Special Issue is focused on the recent developments on computational optics and related technologies. The topics of interest include (but are not limited to) the following:

- Holography; Computational imaging;
- Diffractive optics; Microscopy;
- Quantitative phase imaging;
- Tomography; Structured light;
- Optical security; Cryptography;
- Laser beam shaping;
- Metalenses;
- Micro/nanofabrication;
- Femtosecond fabrication;
- OAM beams;
- Nondiffracting beams with space-time correlations;
- Nonlinear optics and related systems;
- Optoelectronic materials and devices.

Guest Editors

Prof. Dr. Vijayakumar Anand

Dr. Ravi Kumar

Dr. Vinoth Balasubramani

Dr. Andra Naresh Kumar Reddy

Deadline for manuscript submissions

closed (31 December 2023)

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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 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.

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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