



Research in Computational Optics

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Deadline for manuscript
submissions:

closed (31 December 2023)

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.

