

Special Issue

Optical Sensors, Measurements, and Metrology

Message from the Guest Editor

This Special Issue focuses on optical sensors, the measurements of various values and parameters that can be made by using these sensors, their metrological characteristics, and the methods of obtaining them. This research, development, calibration, and characterization of optical sensors can be applied in metrology in order to achieve the highest accuracy and, thus, the lowest uncertainty. Results of research on classical technologies, such as Fizeau interferometers, displacement laser interferometers, and angle measurement interferometers, are welcome, as well as those based on more recent innovative techniques, such as fiber optical sensors, waveguide sensors with a Mach–Zehnder modulator, and waveguide resonator gyros, and that cover the latest developments based on surface profiling, multi-wavelength digital holography, wavefront sensors, laser distance sensors, etc. Papers that focus on overcoming challenges, i.e., those related to grating interferometers used in photolithography scanner position measurement systems to measure the positions of the wafer stages, will also be appreciated.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2023)



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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.

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