Special Issue

Optical Fiber Interferometric Sensors II: New Production Methodologies and Novel Applications

Message from the Guest Editors

This Special Issue will focus on the current state of the art of optical fiber interferometric sensors, covering recent technological improvements, new production methodologies and emerging applications. The manuscripts should cover, but are not limited to, the following topics: New and/or low-cost interferometer production methods;
Optical fiber Fabry–Perot-, Mach–Zehnder-, Michelson-, and Sagnac-based sensors;
Optical fiber interferometric-based sensing of physiological parameters;
New interferometric probes for biomedical applications;
Optical fiber interferometric systems with microfluid integration;
Wearable biomedical interferometric sensors;
Biomarker detection;
Low-cost, miniaturized, selective, and multiparameter optical fiber interferometric devices;
Advanced signal-processing techniques;
New interrogation techniques for interferometric sensors. The SI also welcomes submissions reporting on interferometric sensor applications covering several biomedical areas such as dentistry, surgery, robotics, medical diagnostics and therapy, cardiovascular and chronic diseases, among others.

Guest Editors

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Deadline for manuscript submissions

closed (15 August 2023)

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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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