Special Issue

Optical Fiber Interferometric Sensors: New Production Methodologies and Novel Applications

Message from the Guest Editors

Optical fiber interferometric sensors have been widely investigated for potential application in many situations, such as, for example, monitoring temperature, strain, pressure, and most recently, in the detection and characterization of different physical, chemical, and also physiological parameters.

This Special Issue will focus on current state-of-the-art research in 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 interferometers production methods
- Novel optical fibers and Fabry-Perot, Mach-Zehnder, Michelson, and Sagnac-based sensors
- Optical fiber interferometric based sensing for physical and chemical parameters
- Optical fiber interferometric systems with microfluid integration
- Low-cost, miniaturized, selective and multiparameter optical fiber interferometric devices
- New bio/chemical probes for biomedical applications
- Wearable/biomedical interferometric sensors
- Advanced signal processing techniques
- New interrogation techniques for interferometric sensors

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Deadline for manuscript submissions

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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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