

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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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

High Visibility:

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JCR - Q2 (Optics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 14.8 days after
submission; acceptance to publication is undertaken in 2.6
days (median values for papers published in this journal in
the first half of 2024).