

Special Issue

Sensing with Optical Fibres and Lasers

Message from the Guest Editors

This Special Issue, titled "Sensing with Optical Fibres and Lasers", aims to highlight the recent advances in optical fibres and lasers in applications to sensing, including both fundamental and applied research. We warmly invite submissions on all kinds of optical fibre sensors, with emphasis on novel sensing configurations, fibre designs and materials, modelling methods, sensor data processing, and AI approaches, as well as improvements upon the state-of-the-art performance in sensitivity, bandwidth, noise suppression, and scalability. Research articles, communications and review paper submissions are equally welcome.

- optical fibre sensors
- distributed fibre sensors
- quasi-distributed optical sensors
- optical fibre point sensors
- special sensing fibres
- microstructured fibres
- fibre optic components
- lasers in sensing applications

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Deadline for manuscript submissions

closed (10 August 2023)



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About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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