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Fiber Grating Sensors and Applications

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Deadline for manuscript
submissions:

closed (25 February 2024)

Message from the Guest Editors

Dear Colleagues,

The fiber grating sensor is one of the most important types of fiber sensors developed in the past three decades. As a kind of grating structure in optical fibers, fiber grating has its own unique advantages besides inheriting all the advantages of a fiber sensor, such as wavelength encoding of sensing information, high-precision localization detection, multiplexing capabilities, etc. Now, fiber grating sensors continue to flourish and their applications are expanding. New designs and discoveries have continued to drive technological developments.

This Special Issue will focus on all aspects of this active research field, aiming to reflect the development of fiber grating sensors in design, manufacturing and applications. Both original research papers and review papers are welcome. Technical topics include, but not limited to, the following: Fiber Bragg grating sensors; Long-period fiber grating sensors; Special structures (tilted, chiral, phase-shifted, etc.) of fiber grating sensors; New design and fabrication techniques of fiber grating sensors; Fiber grating sensors fabricated by femtosecond laser; Fiber grating sensor network and systems;



mdpi.com/si/143764

Special Issue



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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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