

Special Issue

Fiber Bragg Grating Sensors: Recent Advances and Future Perspectives

Message from the Guest Editor

This Special Issue wishes to explore one of the most popular trends of relevance to Sensors, which represents an influential platform for the exchange of scientific knowledge in the field of fiber Bragg gratings and sensor systems based on them. This issue is dedicated, but not limited, to the following topics:

- Modeling and simulation of FBGs;
- Fabrication of FBGs;
- FBGs in different classes' optical fibers;
- Multiparameter FBG sensors;
- Sensors on shifted, chirped, tilted, superstructured, etc. FBGs;
- High-speed optoelectronic interrogation methods;
- Microwave photonics interrogation methods;
- FBG sensors in dynamic measurements;
- FBG sensors in quasistatic measurements;
- FBG sensors in DTS, DTSS, and DAS systems;
- FBG sensors in onboard applications;
- FBG sensors in medicine and living systems monitoring;
- Dual nature of FBGs as elements of sensor and telecommunication systems;
- Historical and future trends reviews.

Guest Editor

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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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