

Special Issue

Bragg Grating Sensors

Message from the Guest Editors

This special issue of *Sensors* (MDPI) reflects on the rise of Bragg grating sensing technologies, focusing on all the aspects of research and development of Bragg grating-related sensors. Topics of interest include, but are not limited to:

- Passive sensors: LPG, FBGs, TFBGs, SSFBG, aperiodic, subwavelength gratings
- Active Sensors: laser/amplifier sensors, frequency comb-based sensors
- Interrogation techniques for sensors: TDM, WDM, OFDM, OTDR, phase-OTDR, CDMA, MWP, THz and their combinations
- Fabrication of Bragg grating sensors: waveguides, silica fibers, POF, MCF, MMF, FPF
- Optical chemical and biological sensors
- Micro and nano-engineered sensors
- Mid- and long-wavelength IR sensors
- Quantum effects in optical sensing
- Nanophotonic and plasmonic biosensors
- Sensing for food quality control
- Environmental and industrial monitoring sensors

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/sensors/special_issues/BraggGratingSensors

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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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