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Fiber Grating Sensors: Design, Fabrication, and Application

Guest Editor:

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Deadline for manuscript
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Message from the Guest Editor

Dear Colleagues,

Over the past forty years, fiber gratings have been intensively investigated and widely used in sensing, fiber laser, and optical communication. For the application of sensing, fiber gratings provide unique features, such as super miniature, EMI immunity, high sensitivity, fast response, and multiplexing capability. The present Special Issue addresses the innovative design, fabrication, and application of fiber gratings in the field of sensing.

The Guest Editors invite contributions to this Special Issue of *Sensors* in relation to the following topics, which include, but are not limited to:

- Novel fiber grating designs and fabrication;
- Mechanical and electromagnetic field fiber grating sensors;
- Chemical and biological fiber grating sensors;
- Distributed and multi-parameter fiber grating sensors;
- Structural health monitoring systems based on fiber grating sensors;
- Microstructured optical fiber grating sensors;
- Fiber laser sensors;
- Novel fiber grating sensors for harsh environments;
- Multiplexed and networked fiber grating sensors;
- Fiber sensor interrogation and system integration.



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Dr. Ping Lu
Guest Editor

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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