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Advancements in Fiber Bragg Grating Research

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Message from the Guest Editors

Fiber Bragg grating has become one of the key components in different fields of photonics technologies, including optical fiber communication and sensing applications. After having emerged for more than four decades, fiber Bragg gratings continue to flourish and their applications expand. New discoveries have continued to drive technological developments.

This Special Issue will focus on the aspects of this multi-disciplinary research area with the goal of reflecting these developments. Both original research papers as well as review papers are welcome. Technical topics include but not limited to the following:

- Design and fabrication of advanced fiber grating structures
- Fabrication and properties of fiber Bragg gratings in specialty fibers
- Integration and interrogation of fiber gratings
- Fiber grating lasers and related applications
- Fiber gratings in optical signal processing
- Fiber gratings in microwave photonics
- Sensors and sensing systems
- New industry applications