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Specialty Optical Fiber Sensors

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Deadline for manuscript
submissions:

closed (30 June 2020)

Message from the Guest Editor

The aim of this Special Issue is to collect and highlight the latest advances in fiber sensors based on specialty optical fibers and their applications. Original research papers or review papers that focus on the design and experimental performances on the fiber sensors, as well as on their applications to interrogation and monitoring systems are welcome.

- Solid-core/hollow-core photonic crystal fibers, exposed-core fibers, suspended-core fibers
- Multimaterial fibers, functionalized fibers, lab-in-fiber
- Optofluidic/gas sensing platforms
- Post-processing of specialty optical fibers
- Bragg grating, tilted grating, long period grating
- Surface plasmon resonance, surface enhanced Raman spectroscopy
- Distributed, multiplexed sensing



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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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