



Specialty Optical Fiber Sensors

Guest Editor:

Dr. Georges Humbert

XLIM Research Institute, UMR
CNRS/University of Limoges, 123
Av. Albert Thomas, 87060
Limoges, France

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





sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and
Information Engineering,
Politecnico di Bari, Via Orabona
4, 70126 Bari, Italy

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.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)