

Special Issue

Optical Fiber Sensor Transducers Based on Hybrid and Structured Materials

Message from the Guest Editors

The most important part of any type of optical sensor is the transducer, which transforms a physical, chemical or biological measurand to the selected light parameter modulation. We propose this Special Issue, entitled “Optical fiber sensors transducers based on hybrid and structured materials”, as an opportunity to focus on this particular part of the sensor. Hybrid materials applied for the transducer very often combine their organic–inorganic or organic–metal–inorganic properties when they are used, for example, in long period gratings, tapered or processed in different manners; a standard or specialty optical fiber based on inorganic glasses. Structured materials for optical fiber sensors are the transducers formed in optimized micro- or nanostructures, dual-, multi- or asymmetric core arrangements. Hybrid and structured materials applied to plastic optical fiber sensors are also included in this topic. For more details, please visit [here](#).

Guest Editors

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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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