

Special Issue

Nanophotonic Sensors

Message from the Guest Editor

This Special Issue will focus on recent advances and developments in physics, technology, and applications of nanophotonic sensors. Both theoretical and experimental works will be considered, provided that they offer new insight or substantial improvements in this field. In more detail, the papers should describe either a new sensing technique or substantial improvements over an existing one or a new important application of an existing method. Further, all kinds of sensors will be considered, both regarding applications (physical sensors, chemical sensors, biological sensors, environmental sensors, etc.) and sensing elements (photonic crystals, photonic crystal fibers, microstructured optical fibers, micro (nano)-resonators, etc.). Finally, it should be mentioned that an important factor regarding the acceptance of a submitted work will be the innovation that it provides as well as its potential for practical applications.

- photonic sensors
- nanophotonic sensors
- physical sensors
- chemical sensors
- biological sensors
- environmental sensors
- photonic crystals
- photonic crystal fibers
- microstructured optical fibers
- micro (nano)-resonators

Guest Editor

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About the Journal

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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