Special Issue

Novel Photonic Sensor Technology in Harsh Environment

Message from the Guest Editor

The development of photonic sensors has gained enough momentum in recent years such that they are now ubiquitously found. Their strength lies in optical methods being inherently fast and mostly non-invasive, so analytical investigations in diverse fields can be performed quickly, contact-free, and thus nondestructively. Yet, more sophisticated approaches are necessary to meet the increasing demand for such sensors in an ever-increasing number of fields of application. The aim of this Special Issue is to bring together researchers working on all aspects of photonic sensor technology and to showcase new developments, especially in the context of harsh environments. These environments can be defined such that they can impede the operation of a sensor or may be one for which the sensor was not intended to be used. Harshness thereby originates from different sources, such as high (low) pressure, high (low) temperature, mechanical stress, radiation, chemicals, humidity, as well as biological (including inside body). For more details, please visite here.

Guest Editor

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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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