



sensors



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Novel Photonic Sensor Technology in Harsh Environment

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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).

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Special Issue



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Message from the Editor-in-Chief

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