Special Issue

Innovative Photonic and Microwave Sensing Approaches and Their Applications

Message from the Guest Editors

Photonic and microwave sensors have been shown to be suitable for applications in numerous important fields, including medical diagnostics, environmental monitoring, industrial applications, food safety, and security when fast, portable, low-cost, and rugged devices are needed for detection and identification. The aim of this Special Issue is to bring together researchers active in the innovative developments of novel sensing schemes, smart materials and receptors, nanostructures, algorithms, and applications of sensor systems. Works addressing the wide aspects of this technology are sought, including, but not limited to, recent developments in new measurement schemes, hybrid devices, novel strategies setup to improve sensor sensitivity and selectivity, miniaturization and multiplexing capabilities, novel hardware and software tools and environments, new bio/chemical receptors, transducer schemes, and novel sensor systems with relative applications.

Guest Editors

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Deadline for manuscript submissions

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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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