

Special Issue

Carbon Materials Based Sensors and the Application

Message from the Guest Editors

With the rise of distributed and embedded sensing, driven by real-time systems monitoring, as well as the Internet of Things (IoT), there has arisen a demand for low-cost, low-power sensors for a variety of applications. Carbon based materials, spurred by the rise of graphene due to the 2010 Nobel Prize in Physics, and SiC in the power electronics/optoelectronics realm exemplified by the need for new devices in electric vehicles, are now uniquely poised to extend the market reach of group-IV materials beyond silicon. This Special Issue aims to highlight recent advances in carbon-based sensors, and related enabling techniques and technologies, with particular emphasis on device concepts. Topics include, but are not limited to: Photodetectors; Gas Sensors; Sensing Architectures; Readout Electronics; Organic Electronics; Nuclear Sensors; Electrochemical Sensors; Crystal Growth Techniques; Device Concepts and

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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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