



Carbon Materials Based Sensors and the Application

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Message from the Guest Editors

Dear Colleagues,

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

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Guest Editors



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Message from the Editor-in-Chief

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