

Special Issue

Semiconducting and Superconducting Detectors

Message from the Guest Editors

Dear colleagues, Semiconductor and superconductor detectors with their outstanding characteristics play a major role in particle detection. The very high sensitivity achievable with these detectors led to rapid developments in recent years, which made them very appealing from fundamental research to applied sciences. Major research fields include nuclear and particle physics, dark matter, astronomy and astrophysics, X-ray material analysis, and ion spectroscopy and biomolecule mass spectrometry. Besides these applications, the community has recently shown a growing interest in the field of quantum technologies. Additionally, experimental requests to push the number of detectors to large numbers has led to the development of several multiplexing readout schemes, opening the way to a fast-growing sector. This Special Issue welcomes high-quality papers reporting the latest improvements on semiconductor and superconductor-based detectors, covering diverse detection technologies and applications. Link: <https://www.mdpi.com/si/64494>

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closed (20 April 2022)



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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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