

Special Issue

CdZnTe Radiation Detectors and Applications

Message from the Guest Editor

Over the last few decades, CdZnTe (CZT) semiconductors have emerged as the material of choice for room-temperature hard X-ray and soft γ -ray detectors. Significant progress has been made in crystal growth, which now allows the production of high-quality, large-volume CZT detectors with different geometries such as planar, pixilated, and co-planar grid able to perform high-resolution room temperature spectroscopy. Today, the high performances of both front-end and readout electronics lead to the development of sensing modules with CZT detectors for medical imaging, security screening, and non-destructive testing applications. In this framework, it is my pleasure to edit this Special Issue on "CdZnTe Radiation Detectors and Applications". This Special Issue invites submissions of both review and original research articles related to the state of the art in CZT sensors, as well as prospects for future developments and applications.

Guest Editor

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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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