Special Issue

Ionizing Radiation Sensor and Detector

Message from the Guest Editor

Detection of ionizing radiation is an exciting field. Many advances have been made recently and sensor systems are continually being developed for more challenging environments, like particle physics experiments, nuclear decommissioning, radiotherapy dosimetry and treatment verification for both photon and proton therapy. Novel sensor concepts provide improved time, energy, spatial resolution and radiation hardness. Real-time processing is being integrated into many detector systems and machine learning is being incorporated in the data processing and, thus, more information is being extracted from the data. This Special Issue aims to highlight advances in the development and modelling of ionizing radiation sensors and detector systems. This Special Issue will cover novel detector concepts, novel detector materials and advances in data processing and analysis techniques, among other relevant topics

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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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