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Ionizing Radiation Sensor and Detector

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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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Special Issue



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Message from the Editor-in-Chief

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