

Special Issue on Room-temperature-operation Solid-state Radiation Detector

Call for Papers

There are a great many types of radiation detectors because of their range of applications and uses, and their operating principles are often very broad. Consequently, related journals often have a wide range of content.

This special issue will focus on solid-state radiation detectors that operate at room temperature, and we expect to learn of developments of new radiation detectors and imaging devices that have a wide range of practical applications in, for example, medicine, radiography, nondestructive testing, security, and environmental monitoring, as a result of advances in materials, circuits, systems, and their applications. We hope to pursue new developments motivated by these papers.

Scope:

- Crystal Growth
- Materials and Defect Characterization
- Semiconductor Materials for Radiation Detection
- Organic and Hybrid Materials for Radiation Detection
- Perovskite Materials for Radiation Detection
- Device Fabrication Technology
- Radiation Damage, Long-term Stability
- Radiation Imaging Sensor
- Signal Processing Electronics/ASIC
- Scintillator for Radiation Detector and Imager
- Spectrometer Systems and Imaging System
- Application of Solid-state Radiation Detector/Imager

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