

# Special Issue on Room-temperature-operation Solid-state Radiation Detectors

## Call for Papers

There are numerous types of radiation detector 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, based on discussions at the Compound Semiconductor Radiation Detector, BTOZ Korea-Japan Joint Symposium held in Busan, Korea in the summer of 2024. Advances in materials, circuits, and systems are expected to lead to new radiation detectors and imaging devices with practical applications in a wide range of fields, including medicine, radiography, nondestructive testing, security, environmental monitoring, and their applications. We hope to pursue new developments with 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 and Long-term Stability
- Radiation Imaging Sensors
- Signal Processing Electronics/ASIC
- Scintillators for Radiation Detectors and Imagers
- Spectrometer Systems and Imaging Systems
- Applications of Solid-state Radiation Detectors/Imagers

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