



Radiation Sensing: Design and Deployment of Sensors and Detectors

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Message from the Guest Editors

Dear Colleague,

Radiation sensing is important in many fields, and it poses significant challenges for sensing instrument designers. Radiation sensing instruments, particularly for nuclear decommissioning and security applications, are required to operate in unknown environments and should detect and characterise radiation fields in real-time. This Special Issue solicits recent advances in radiation sensing technology, with a particular focus on instrument design and deployment.

This Special Issue will cover both theory and practice. Articles concerning, for example, radiation sensing instrument design, real-time data processing, radiation simulation and experimental work, robot design, control systems, task planning and radiation shielding will all be considered, among other relevant topics.

Keywords: Radiation sensing technologies; Radiation imaging; Radiation characterisation techniques; Nuclear reactors monitoring and control; Remote handling of radioactive waste; Mobile robots; Robots for unstructured environments; Decommissioning and remote handling; Nuclear safeguards, homeland security; Nuclear waste management





sensors



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Message from the Editor-in-Chief

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