

## Special Issue

# Radiation Sensing: Design and Deployment of Sensors and Detectors

### 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

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### Guest Editors

Prof. Dr. Kelum Gamage

School of Engineering, University of Glasgow, Glasgow G12 8QQ, UK

Prof. Dr. C. James Taylor

Engineering Department, Lancaster University, Lancaster LA1 4YR, UK

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### Deadline for manuscript submissions

closed (30 April 2020)



## Sensors

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MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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