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# Radiation Sensors and Detectors: Materials, Principles and Applications (2nd Edition)

Guest Editors:

#### Dr. Michael Moll

CERN, Organisation Europenne pour la Recherche Nucléaire, CH-1211 Geneva, Switzerland

#### Dr. Xin Shi

Institute of High Energy Physics, Chinese Academy of Sciences, 19B Yuquan Road, Shijingshan District, Beijing 100049, China

Deadline for manuscript submissions:

30 June 2025

# **Message from the Guest Editors**

Dear Colleagues,

Radiation sensors and detectors are widely used in fundamental physics, nuclear reactors, aerospace science, medicine, environmental monitoring, etc. One of the most important aspects of these application areas is the extremely harsh radiation environment, driven by the nextgeneration fusion energy reactors and future high-energy particle detectors. It is crucial to develop radiationeasy-to-operate. high-spatial/temporalresolution devices that can survive in environments with high radiation fluences and high temperatures, as expected in plasma diagnostics and high-energy particle collisions. Solid-state sensors, especially wide-bandgap semiconductors, are good candidates applications.

This Special Issue is the second edition addressed to all types of solid-state sensors designed for extremely harsh environments. The first edition can be found here: https://www.mdpi.com/journal/sensors/special\_issues/RSD

Dr. Michael Moll Dr. Xin Shi Guest Editors













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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

## **Message from the Editor-in-Chief**

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