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## The Development and Applications of Novel Detectors

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submissions:

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### Message from the Guest Editor

Dear Colleagues,

The major scientific advances are always preceded by the research and development of ever more complex measuring devices.

The last few years have seen continued efforts in the development of wide band gap room temperature semiconductor devices, primarily aimed at detecting charged particles, neutrons and X-rays. Zinc Cadmium Telluride, Diamond, Silicon Carbide, Gallium Nitride are some of the materials investigated for prototyping of radiation detectors. In the context of nuclear and particle physics, the search for new semiconductor detector materials focuses on their ability to operate at extremely high radiation fields, while a significant area of commercial activity has been in the development of prototype detectors for X-ray spectroscopy and hard X-ray astronomy.

The main focus of this special issue will be the fundamental properties of new materials, concepts and device designs that are likely to trigger the creation of new products or the exploitation of new technologies in the fields of radiation detection.

Dr. Salvatore Tudisco  
*Guest Editor*



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## Message from the Editor-in-Chief

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