

Special Issue

Solid State Image Sensors for Emerging Space, Nuclear and Scientific Applications

Message from the Guest Editors

Many commercial applications today require imaging systems with very high performance, integration capabilities, and low power consumption. On the other hand, solid-state image sensors are used more and more frequently in very specific environments that require ad hoc developments to advance various state-of-the-art research areas, e.g., radiation hardening, high-speed imaging, low noise amplification, single-photon/particle detection, and time of flight measurement. This Special Issue gathers together solid-state image sensor developments for emerging scientific applications. Advances in design (architecture and process) and characterization of imaging systems are presented focusing on scientific fields such as the following:

- Space applications;
- Biomedical imaging;
- Imaging in nuclear environments;
- Microscopy, spectroscopy, and photonics image sensors developments;
- Particle detection and photon counting applications;
- Non-visible light imaging;
- Range Imaging.

Guest Editors

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Prof. Dr. Eric Fossum

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Deadline for manuscript submissions

closed (30 April 2021)



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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.

Editor-in-Chief

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