



sensors



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Advanced CMOS Sensors and Applications

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Deadline for manuscript
submissions:

closed (30 November 2021)

Message from the Guest Editor

The integration of electronics in CMOS (complementary metal oxide semiconductor) offers a designer many desirable features, and enables applications in Biotechnology, the Internet of Things, and many other technologies. In particular, full advantage can be taken when CMOS electronics and sensors or MEMS are integrated on the same chip because this allows for the same piece of silicon to incorporate both the sensors or actuators and the control and processing electronics.

The aim of this Special Issue is to provide an overview of current research in the field of advanced CMOS sensors and applications with original contributions as well as review papers. Potential topics include, but are not limited to:

- The integration of image sensors with processing electronics for advanced applications;
- Portable and wearable technologies that integrate CMOS sensors;
- Combinations of sensors and electronics for: Healthcare, the Internet-of-Things, High-Energy Physics, Space, etc.;
- Smart and system-on-a-chip CMOS sensors;
- Sensors in emerging technologies for CMOS (3D ICs, integration of photonics, etc.).



mdpi.com/si/28376

Special Issue



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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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