

Special Issue

CMOS Image Sensors and Applications

Message from the Guest Editor

CMOS image sensors have received great attention because of their wide range of applications, such as in digital cameras, automotive cameras, 3D imaging, distance estimation, high-speed imaging, biomedical imaging, and X-ray imaging, to name but a few. By virtue of the recent developments in image sensor technology, their performance has surpassed human eyes.

Furthermore, special imaging has been realized by the integration of optical elements and signal processing functions. This Special Issue welcomes contributions dealing with various aspects of image sensors, including in high-speed, high-resolution, high-sensitivity, high dynamic range, and single-photon imaging, as well as the development of highly functional image sensors by using signal processing, new materials, and special image sensors for THz wave, bioimaging, and others.

Guest Editor

Dr. Kiyotaka Sasagawa

Division of Materials Science, Graduate School of Science and Technology, Nara Institute of Science and Technology 8916-5 Takayama, Ikoma, Nara 630-0192, Japan

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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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.

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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