

Special Issue

Intelligent Vision Sensors

Message from the Guest Editor

The spread and development of artificial intelligence (AI) systems have fueled research into innovative vision sensors that can process or pre-process visual data at the edge. These devices must provide meaningful information to AI processing algorithms to alleviate their computational load or simplify their operation. This Special Issue focuses on new vision sensors designed for or compatible with AI algorithms in various application scenarios, such as surveillance, autonomous driving, and inference. Spatial or temporal contrast detection and feature extraction at the focal plane are pre-processing steps of relevance for this Special Issue. Furthermore, on-chip image data pre-processing is also of interest, provided that the integrated sensor performs image pre-processing compatible with AI algorithms and systems. Spiking vision sensors are also within the scope of this Special Issue.

Guest Editor

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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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