

Special Issue

Event-Driven Vision Sensor Architectures and Application Scenarios

Message from the Guest Editor

Event-based vision sensors have evolved over the last decade from proof-of-concept lab prototypes to industrial products. Many companies, such as Prophesee, Sony, and Samsung, now include them in their product catalogs. The proliferation of artificial intelligence algorithms and systems has significantly contributed to incorporating event-driven sensors as a front-end to obtain pre-processed information from visual scenes. The scope of this Special Issue is twofold:

- Presentation, description, and implementation of new sensor architectures at the pixel and system levels. Competitive modern implementations that exploit the advantages of vertical integration technologies and hybridization processes are welcome.
- Case studies where event-driven sensors are used successfully. Examples include industrial applications, robotics, surveillance, special navigation, scientific instrumentation, biomedical applications, etc.

Keywords: event driven; vision sensors; applications; event cameras applications

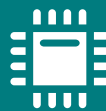
Guest Editor

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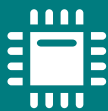


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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. 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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