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Computer Vision Based Smart Sensing

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Message from the Collection Editor

Sensing of visual information with video cameras has become an almost ubiquitous element of our environment. Internet connectivity and the massive use of the Internet of Things (IoT) has contributed to this in a very important way. The number of video cameras deployed with the capacity to capture information both in the visible range and outside the visible range (IR, UV, or other bands) has grown very significantly in recent years, with figures ranging from 50 to 150 surveillance cameras per 1000 inhabitants in the most important cities in Asia, Europe, and America. Moreover, this is only with regard to fixed surveillance cameras (on streets, roads, and buildings).

This Special Issue aims to address the open research challenges and unsolved problems related to computer-vision-based smart sensing applications in different domains, making use of IoT-connected, camera-acquired information (inside the visible range or outside it) in an isolated way or by fusing them with other image-based devices, such as LiDAR or radar, in a monocular configuration or a multicamera one.



mdpi.com/si/69609

Topical Collection



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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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Journal Rank: JCR - Q2 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

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