

Special Issue

Recent Advances in Visual Sensor Networks for Robotics and Automation

Message from the Guest Editors

The development of low-cost high-resolution imaging sensors, the wide spread of IoT technologies, and the renewed methodological interest in networked systems are leveraging the transformation of traditional vision systems into ubiquitous and pervasive multiagent visual sensor networks, whose sensing capabilities act synergistically with the actuation capabilities. In particular, by acquiring information-rich data within a sense-to-act, act-to-sense paradigm, these multiagent architectures play a crucial role in the robotics and automation fields... This Special Issue on Sensors and Robotics aims at putting together novel contributions on multiagent visual sensor networks where emphasis is placed on the dynamic characteristic of the information and of the systems, which may be induced by the nature of the observed scene, by that of the observing agents, or by both. Along this trendline, possible topics of interest include but are not limited to:

- Cooperative robotics;
- Active and mobile sensing;
- Vision-based learning for control;
- Context aware automation;
- Multicamera networks.

Guest Editors

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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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