

Special Issue

Image Sensors: Systems and Applications

Message from the Guest Editors

In recent years, systems and applications of image sensors have become ubiquitous: In most of our everyday activities, we can find something related with or based on image sensor information. Although we are not aware of it most of the time, image sensors are present everywhere, and we rely on systems and applications based on the image processing—from remote sensing that process satellite images used for agricultural and urban monitoring or weather forecast, to urban video cameras used for traffic management and surveillance in smart city applications. This [Special Issue](#) is intended to review the state-of-the-art on systems and applications of image sensors. Contributions from (but not limited to) the following topics will be covered:

- Acquisition devices;
- Processing (filtering, coloring, feature extraction, and matching);
- Representation (2D, 3D, 4D);
- Understanding (machine learning, pattern recognition, biometric applications);
- Deep/transfer learning, domain adaptation;
- Robotics and autonomous vehicles;
- Sensing for agriculture and food safety;
- Remote sensing;
- Applications of image sensors to Smart Cities.

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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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