

Special Issue

Color & Spectral Sensors

Message from the Guest Editors

The present Special Issue on “Color and spectral sensors” aims to present recent advances in new optical sensor technologies and in the development of new techniques for processing color and/or spectral information and to demonstrate their potential for different applications, according, but not limited to, the list of keywords below:

- Recent optical sensor technologies: plasmonic-based devices, coded-aperture systems, snapshot, scanning sensors, multilayer sensors, sparse sensors, HDR, and others.
- Application domains: spectral reconstruction, object recognition, underwater, biomedical applications, aids for the visually impaired, depth and stereo, color constancy, cultural heritage and art, HDR, robotic vision, food analysis, agriculture, waste sorting, and others.
- Demosaicing algorithms for color/spectral imaging
- Imaging sensors calibration
- Band optimization algorithms for spectral imaging
- Multiband fusion/blending
- Deep-learning applied to spectral image analysis and optimization of imaging systems

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/sensors/special_issues/CSSensors

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2020)



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Impact Factor 3.5
CiteScore 8.2
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About the Journal

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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