



Color & Spectral Sensors

Guest Editors:

Prof. Dr. Javier Hernández-Andrés

Department of Optics, University of Granada, 18071 Granada, Spain

Prof. Dr. Eva M. Valero Benito

Department of Optics, University of Granada, 18071 Granada, Spain

Dr. Miguel A. Martínez-Domingo

Department of Optics, University of Granada, 18071 Granada, Spain

Deadline for manuscript submissions:

closed (30 September 2020)

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





sensors



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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

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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Sensors Editorial Office
MDPI, Grosspeteranlage 5
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