



## 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](https://www.mdpi.com/journal/sensors/special_issues/CSSensors)





# sensors



an Open Access Journal by MDPI

## 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.

## Author Benefits

**Open Access :** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

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

## Contact Us

*Sensors* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)