

Special Issue

Recent Trends and Advances in Color and Spectral Sensors: 2nd Edition

Message from the Guest Editors

Color and spectral sensors are key technologies for color acquisition and reproduction in different applications, such as image visualization, cultural heritage, color recognition and inspection, medical diagnosis, and remote sensing. Color acquisition and reproduction issues are not comprehensively investigated and are challenging problems in developing a general color accuracy sensing system. Furthermore, test benchmark design, experimental guidelines, visual perception, and numerical analysis models for evaluating the performance of color and spectral sensors are also key to implementing accurate material-aware color. Manuscripts should contain both theoretical and practical/experimental results. Potential topics include but are not limited to the following: color sensors, spectral sensors, image sensors, hyper/multispectral imaging, imaging spectroscopy, color/spectral filter arrays, radiometric calibration, calibration site design, CCD/CMOS, spectral recovery, color perception, color appearance models, and image vision.

Guest Editors

Dr. Qiang Liu
Dr. Jean-Baptiste Thomas
Dr. Xufen Xie
Dr. Guangyuan Wu

Deadline for manuscript submissions

closed (25 January 2026)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 9.4
Indexed in PubMed



mdpi.com/si/204246

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 9.4
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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 and Instrumentation) / CiteScore - Q1 (Instrumentation)