Special Issue

Hyperspectral Imaging and Sensing

Message from the Guest Editors

Hyperspectral imaging (HSI) is a new analytical technique based on spectroscopy that analyzes a wide spectrum of light. It collects hundreds of images at different wavelengths for the same spatial area. In contrast, the human eye has only three color receptors, for blue, green, and red. Hyperspectral imaging measures the continuous spectrum of light for each pixel of the scene with fine wavelength resolution, not only in the visible but also in the near-infrared. The goal of hyperspectral imaging is to obtain the spectrum for each pixel in the image of a scene with the purpose of finding objects, identifying materials, or detecting processes. We welcome the submission of contributions addressing state-of-the-art developments and methodologies, as well as applications of Hyperspectral Imaging and Sensing in the future.Manuscripts should contain both theoretical and practical/experimental results. Potential topics include but are not limited to the following: hyperspectral imaging, hyperspectral sensors, imaging spectroscopy, remote sensing, radiometric calibration, calibration site design, hyperspectral image processing, and hyperspectral machine vision.

Guest Editors

Prof. Dr. Hui-liang Shen

Dr. Siyuan Cao

Dr. Yuwei Chen

Dr. Eero Ahokas

Deadline for manuscript submissions

closed (30 November 2023)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed

mdpi.com/si/128898

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

mdpi.com/journal/sensors

Sensors

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed

mdpi.com/journal/sensors

MDPI

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
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 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 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)