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Hyperspectral Imaging and Sensing

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Deadline for manuscript
submissions:

closed (30 November 2023)

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.



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Special Issue



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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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