



Multi-Spectral and Color Imaging: Theory and Application

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Message from the Guest Editors

Color and multispectral imaging research has made spectacular advances in recent years. Multispectral images collect a considerable amount of information about a scene using multiple wavelengths of light, making it easier to distinguish specific scene features. Additionally, color imagery is easily understood by the human eye and can convey a great amount of visual information. Recent contributions and work in multispectral and color imaging have played a crucial role in advances in engineering, computer vision, image analysis, agriculture, geomatics, biology, etc.

In sum, advances in color and multispectral imaging research are essential for the in-depth understanding of complex scenes and phenomena in many scientific and technical fields.

This Special Issue aims to present an overview of recent developments in this field. Contributions can cover topics such as color and light theory, image processing algorithms, pattern and color recognition, camera calibration, multispectral image fusion, image segmentation, and the generation of color images from multispectral data.





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Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

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