Special Issue

Infrared-Image Processing for Climate Change Monitoring from Space

Message from the Guest Editors

The infrared spectral range extends from approximately 1 µm to 1 mm (300 GHz, including the terahertz radiation). It is a broad spectrum with variable characteristics, which allows one to conduct different analyses on various subjects. Currently, various satellite and airborne missions are equipped with spectral bands in the infrared spectrum, and applications vary from agricultural to security. Many of those applications can contribute to the climate change monitoring. Special particularities for IR image processing still need to be analysed, such as relation of radiated light to the reflected light in various wavelengths, and improving resolution and quality of the imagery. We would like to invite the authors to participate in providing and overview on the current state of knowledge and processing techniques for the broader public, by publishing their state-of-the-art research in this Special Issue.

Guest Editors

Prof. Dr. Ralf Reulke

Department of Computer Science, Humboldt-Universität zu Berlin, 10117 Berlin, Germany

Dr. Agnieszka Soszyńska

School of physics and astronomy, University of Leicester, Leicester LE4 5SP, UK

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Journal of Imaging
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jimaging@mdpi.com

mdpi.com/journal/jimaging

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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.

Editor-in-Chief

Prof. Dr. Raimondo Schettini
Department of Informatics, Systems and Communication, University of Milano-Bicocca, viale Sarca, 336, 20126 Milano, Italy

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