Journal of Imaging

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Modern Advances in Image Fusion

Guest Editors:

Dr. Nikolaos Mitianoudis
Department of Electrical and Computer Engineering, Democritus University of Thrace, 67100 Xanthi, Greece

Dr. Tania Stathaki
Communications and Signal Processing Research Group, Department of Electrical and Electronic Engineering, Imperial College London, London SW7 2AZ, UK

Deadline for manuscript submissions:
closed (14 December 2018)

Message from the Guest Editors

Dear Colleagues,

Image Fusion is an image processing approach that aims at transferring useful information from all input images to a single composite one that is going to be analysed. Over the last two decades, Image Fusion has shown to be a very popular image processing task, attracting many researchers from many different fields, including medical imaging, satellite imaging, High-Dynamic Range (HDR) photography and surveillance imaging. Many modern methodologies have emerged, such as deep learning, parallel computations and compressive sensing, which have changed modern image processing and computer vision.

The aim of this Special Issue is to present and highlight the newest trends in Image Fusion. This may include, but is not be limited to:

- Novel Image Fusion methodologies
- Image Fusion based on deep learning
- Multiple-modality Image Fusion

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Editor-in-Chief

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

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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Journal of Imaging Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/jimaging
jimaging@mdpi.com
𝕏@J_Imaging_MDPI