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Entropy in Image Analysis

Guest Editor:

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Message from the Guest Editor

Image analysis is a fundamental task for extracting information from images acquired across a range of different devices. This analysis often needs numerical and analytical methods which are highly sophisticated, in particular for those applications in medicine, security, and remote sensing, where the results of the processing may consist of data of vital importance.

As being involved in numerous applications requiring reliable quantitative results, the image analysis has produced a large number of approaches and algorithms. In this framework, a key role can be played by the entropy, in the form of the Shannon entropy or in the form of a generalized entropy, used directly in the processing methods or in the evaluation of the results, to maximize the success of a final decision support system.

Since the active research in image processing is still engaged in the search of methods that are truly comparable to the abilities of human vision capabilities, I solicit your contribution to this Special Issue of the Journal, devoted to the use of entropy in extracting information from images, and in the decision processes related to the image analyses.

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Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

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