

Special Issue

Entropy in Image Analysis

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.

Guest Editor

Dr. Amelia Carolina Sparavigna

Department of Applied Science and Technology, Polytechnic University of Turin, 10129 Turin, Italy

Deadline for manuscript submissions

closed (31 March 2019)



Entropy

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 4.9
Indexed in PubMed



mdpi.com/si/16848

Entropy
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
entropy@mdpi.com

[mdpi.com/journal/
entropy](https://mdpi.com/journal/entropy)





Entropy

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 4.9
Indexed in PubMed



[mdpi.com/journal/
entropy](https://mdpi.com/journal/entropy)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Kevin H. Knuth

Department of Physics, University at Albany, 1400 Washington Avenue,
Albany, NY 12222, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, PubMed, PMC, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Physics, Multidisciplinary) / CiteScore - Q1 (Mathematical Physics)