entropy

an Open Access Journal by MDPI

IMPACT FACTOR 2.1

Indexed in: PubMed

CITESCORE 4.9

Entropy in Soft Computing and Machine Learning Algorithms III

Guest Editors:

Dr. Diego Oliva
Depto. de Innovación Basada en la Información y el Conocimiento, Universidad de Guadalajara, CUCEI, Av. Revolución 1500, 44430 Guadalajara, Jal., Mexico

Dr. Seyed Jalaleddin Mousavirad
Department of Computer and Electrical Engineering (DET), Mid Sweden University, Holmgatan, 852 30 Sundsvall, Sweden

Deadline for manuscript submissions:
closed (29 February 2024)

Message from the Guest Editors

Soft computing and machine learning algorithms are used in different fields of science and technology. They are important tools designed to solve complex real-life problems under uncertainty.

Entropy is a powerful tool that has changed the analysis of information. The use of entropy has been extended in soft computing and machine learning methodologies, from measuring uncertainty to exploring and exploiting search spaces in optimization. Different kinds of entropy are used depending on what is required. Moreover, it is necessary to use soft computing and machine learning methods to provide accurate solutions to complex problems in the information era. Hybrid algorithms are also important; they merge skills from different approaches and make decisions based on different rules to accurately explore the possible solutions.

Since the fields of soft computing and machine algorithms are constantly growing, following all the different branches in which entropy is used is complicated. Considering the above, this Special Issue aims to present the latest advances in soft computing and machine learning algorithms that employ or solve problems where entropy is included.

entropy

IMPACT FACTOR 2.1 | Indexed in: PubMed | CITESCORE 4.9

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Kevin H. Knuth
Department of Physics, University at Albany, 1400 Washington Avenue, Albany, NY 12222, USA

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.

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)

Contact Us

Entropy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/entropy
entropy@mdpi.com
𝕏@Entropy_MDPI