



entropy



an Open Access Journal by MDPI

Information Theoretic Signal Processing and Learning

Guest Editors:

Prof. Dr. Jerry D. Gibson

Department of Electrical and
Computer Engineering, University
of California, Santa Barbara, CA
93106-9560, USA

Prof. Dr. Khalid Sayood

Department of Electrical &
Computer Engineering, University
of Nebraska-Lincoln, 209N Scott
Engineering Center, P.O. Box
880511, Lincoln, NE 68588-0511,
USA

Deadline for manuscript
submissions:

closed (31 January 2021)

Message from the Guest Editors

In recent years, alternative forms of entropy/entropy rate and mutual information have found utility in the analysis, design, and understanding of agent/machine/deep learning methods and for performance evaluation. Concepts that build on these quantities, such as relevant/maximum/meaningful/directed/Granger/predictive /discriminative/transient/negative information and Kullback–Leibler (KL) divergence/relative entropy, information gain, Kullback causality, redundancy, intrinsic redundancy, and stochastic/model/statistical/algorithmic complexity, have proliferated and been applied to problems in prediction, estimation, feature selection, signal representations, information extraction, signal recognition, and model building.



mdpi.com/si/40494

Special Issue



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](https://twitter.com/Entropy_MDPI)