Special Issue

Statistical Mechanics of Complex Systems

Message from the Guest Editor

Complex systems attract considerable attention of scientists from various disciplines. It seems that a key feature of any complex system is that while it is composed of a certain number of interacting elements, as a whole, it exhibits new emerging properties that are much different from the properties and behaviors of its components. Consequently, statistical mechanics approaches provide a well-suited and very promising methodology to examine complex systems. Indeed, due to the multitude of such studies, at least certain aspects of some complex systems are now well understood. The aim of this Special Issue is to collect papers that introduce novel models or develop innovative methods to study complex systems. Papers that examine agent-based models, complex networks, cellular automata, or adaptive systems using computer simulations, stochastic processes, time series analysis, neural networks, or machine learning are particularly welcome.

Guest Editor

Prof. Dr. Adam Lipowski

Faculty of Physics and Astronomy, Adam Mickiewicz University, 61-614 Poznań, Poland

Deadline for manuscript submissions

closed (30 June 2020)

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/33929

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

mdpi.com/journal/entropy

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

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)

MDPI