Special Issue

Dissipative, Entropy-Production Systems across Condensed Matter and Interdisciplinary Classical VS. Quantum Physics

Message from the Guest Editor

XLVII Congress of Polish Physicists will collect a number of interesting papers addressing a range of topics in condensed matter and interdisciplinary physics, all of them linked together by statistical physics/mechanics methods. The topics addressed will invoke dissipative processes such as various faces of diffusion; normal vs. anomalous random walks; systems with ergodicity breaking; (partially) ordered vs. disordered systems; systems with symmetry breaking and of peculiar phase-transition and/or relaxational nature... Theoretical, numerical as well as computer-simulation-based approaches shall be of extensive use. The role of physical concepts and methods will be checked upon their usefulness in out-of-physics areas, immersed in biology, social sciences, biomedicine... All distinguished fellows and participants of the Congress are warmly encouraged to submit their valuable papers under the common theme suggested by the title of this Special Issue.

Guest Editor

Prof. Dr. Adam Gadomski

Institute of Mathematics and Physics, Bydgoszcz University of Science and Technology, 85-796 Bydgoszcz, Poland

Deadline for manuscript submissions

closed (30 March 2022)

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/95011

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