Special Issue

Thermodynamic Constitutive Theory and Its Application

Message from the Guest Editors

The range of applications of thermodynamic constitutive theory is broad and covers, for example, complex materials also including internal processes such as chemical reactions, electromagnetic materials, heat conduction, higher gradient materials and materials for use in engineering applications such as fluids, steel and wood. The strict application of thermodynamic constitutive theory in a relativistic framework, for quantum systems or in stochastic thermodynamics, is still under discussion.

Contributions to fundamental aspects, methods and concepts, as well as applications of phenomenological thermodynamic constitutive theory in all branches of physics, engineering and material science, are welcome.

Guest Editors

Prof. Dr. Christina Papenfuss

Hochschule für Technik und Wirtschaft Berlin, University of Applied Sciences, 12459 Berlin, Germany

Prof. Dr. Wolfgang Muschik

Institut für Theoretische Physik, Technische Universität Berlin, 10623 Berlin, Germany

Deadline for manuscript submissions

closed (30 January 2024)

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/140255

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