entropy

an Open Access Journal by MDPI

IMPACT FACTOR 2.1

Indexed in: PubMed

CITESCORE 4.9

# Thermodynamic Optimization of Heat Devices, Stability and Control

Guest Editor:

**Prof. Dr. José Miguel Mateos Roco**
Department of Applied Physics, Faculty of Science, University of Salamanca, 37008 Salamanca, Spain

Deadline for manuscript submissions:
**closed (30 June 2022)**

## Message from the Guest Editor

The optimal design and operation of heat devices, irrespective of their macroscopic, mesoscopic, or microscopic nature, is associated with the estimation and control of specific parameters that lead to desirable high performance, usually settled by a compromise between fast production and reduced loss. The universality of this trade-off has been a focus of research during the last few years and, as a result, the role of stability and the entropy production in the election of the figure of merit has been revealed as an emergent issue.Consequently, the influence of control on the parameters and the device layout, the role of fluctuations in the energetic output records, and the stability of optimal operation regimes have become issues of special interest for the optimal design of heat devices, especially when control involves an energetic cost.

*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