



entropy



an Open Access Journal by MDPI

Thermodynamic Optimization

Guest Editors:

Dr. Pouria Ahmadi

Faculty of Mechanical
Engineering, University of Tehran,
Tehran, Iran

Dr. Behnaz Rezaie

Applied Energy Research
Laboratory, Department of
Mechanical Engineering,
University of Idaho, 875
Perimeter Drive, MS 0902,
Moscow, ID 83844-0902, USA

Deadline for manuscript
submissions:

closed (30 April 2020)

Message from the Guest Editors

Dear Colleagues,

There has been significant progress in the applications of thermodynamic optimization in various thermal and/or energy systems ranging from exergy analysis, exergetic based optimization, application of optimization in several systems such as power plants (e.g., fossil fuel based power plants, renewable based power plants and even their integration), fuel cell systems and their integration, chemical processes (e.g., petrochemical plants, biomass gasification, and ammonia synthesis), low exergy systems for high-performance buildings, distillation and desalination, waste heat recovery (WHR) and the organic Rankin cycle (ORC), advanced cooling and heating systems, energy storage systems, integrated energy systems (e.g., cooling and heating plant (CHP), combined cooling and heating plant (CCHP) and multi-generation), multi-objective optimization, lifecycle optimization, etc.

We cordially invite researchers, students and engineers to submit their research papers related to thermodynamic optimization of energy systems for consideration in this Special Issue.

Dr. Pouria Ahmadi

Dr. Behnaz Rezaie

Guest Editors



mdpi.com/si/17608

Special Issue



entropy



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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/entropy
entropy@mdpi.com
[X@Entropy_MDPI](#)