Special Issue

The Entropy Production—as Cornerstone in Applied Nonequilibrium Thermodynamics—Dedicated to Professor Signe Kjelstrup on the Occasion of Her 75th Birthday

Message from the Guest Editors

The purpose of the Special Issue is to demonstrate the strength and importance of the theory of nonequilibrium thermodynamics, with its fundamental basis in entropy production, when used to improve the understanding of processes essential to mankind, industry or nature at large. The topics cover fundamental aspects and applications of all sorts, for instance the applications Kjelstrup worked on, includes but not limited to:

- entropy production as the proper basis for transport modelling
- entropy production and exergy analysis
- entropy production for surfaces
- entropy production and entropy balance in thermodynamic modelling of industrial processes
- entropy production minimization in nature and industry

Guest Editors

Prof. Dr. Dick Bedeaux

Prof. Dr. Fernando Bresme

Prof. Dr. Alex Hansen

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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

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