Special Issue

Thermodynamics of Small Systems

Message from the Guest Editor

This Special Issue aims to offer articles covering a wide range of problems pertaining to the physics of small systems whose properties necessitate the use or the development of suitable thermodynamic approaches. It is anticipated that contributions will contain theoretical developments, but submission of manuscripts reporting basic experimental results pertinent to the Special Issue, as well as those discussing relevant emerging small-systems technologies, are particularly welcome.

- thermometry and calorimetry of small systems, including nuclear matter
- stochastic thermodynamics: MEMS, molecular motors, colloids, biomolecules
- open quantum systems
- fluctuation theorems
- quantum thermodynamics
- dissipation in small systems
- information processing in small systems
- complexity of small systems

Guest Editor

Dr. Henni Ouerdane

Skolkovo Institute of Science and Technology, 30 Bolshoi Boulevard, bld. 1, Moscow 121205, Russia

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Entropy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
entropy@mdpi.com

mdpi.com/journal/entropy

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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

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