Special Issue

Thermal Science and Engineering Applications

Message from the Guest Editors

The thermodynamics-based concept of entropy has spread across different areas of knowledge, and is currently permeating the natural and engineered worlds. The idea of entropy is most commonly associated with a state of disorder, randomness, or uncertainty. Remarkably, the definition of entropy diverges in different contexts, and even within the same domain assorted perceptions of entropy are found connected with probabilities, or not. Chief related concepts such as relative entropy, skew entropy, and dynamical entropy, as well as magnitudes and properties such as invariance, additivity, concavity, subadditivity, strong subadditivity, continuity, etc., are not often enumerated in detail in the literature.

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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.

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