Special Issue

Complex Interdisciplinary Phenomena: Modeling and Analysis

Message from the Guest Editor

This Special Issue aims at proposing modeling frameworks and applications of collaborative processes of integration of knowledge and expertise originating from different disciplines, with emphasis on mathematical modeling and reasoning about these systems using concepts built upon information processing methods such as information theory, statistical physics, optimality, cybernetics, probabilistic inference, and others. The Special Issue of interest include, but are not limited to:

- Information and statistical approaches to complex phenomena
- Mathematical modeling of sustainability and resilience and other systemic notions, with emphasis on complex analysis of aggregated information
- Mathematical modeling of complex socially driven phenomena with emphasis on complex analysis of aggregated information
- Complex biologically driven phenomena with emphasis on complex analysis of aggregated information
- Synergetic interactions and emergent phenomena in natural, human, and virtual systems

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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.

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