

Special Issue

Complex Systems and Fractional Dynamics

Message from the Guest Editors

Complex systems are pervasive in many areas of science and we find them everyday and everywhere. Complex systems are often composed of large number of interconnected and interacting entities exhibiting much richer global scale dynamics than they could be inferred from the properties and behavior of individual entities. Complex systems are studied in many areas of natural sciences, social sciences, engineering and mathematical sciences. This Special Issue focuses on original and new research results on systems dynamics in science and engineering. Manuscripts in complex dynamical systems, nonlinearity, chaos and fractional dynamics in the thermodynamics or information processing perspectives are solicited. We welcome submissions addressing novel issues, as well as those on more specific topics illustrating the broad impact of entropy-based techniques in complexity, nonlinearity and fractionality. Prof. Dr. J. A. Tenreiro Machado Prof. Dr. António M. Lopes

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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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