Special Issue

Intelligent Tools and Applications in Engineering and Mathematics

Message from the Guest Editors

Currently, many new applications and tools used in the engineering and mathematical fields are based on some form of intelligence, be it artificial intelligence, reasoning, empirical-based experience, or learning of some form. We want to invite authors to show the latest developments in this field. This Special Issues will cover, but is not limited to, the following areas and topics:

- Complex Systems: self-organization, chaos and nonlinear dynamics, simplicity and complexity, networks, symmetry breaking, similarity;
- Computing: cloud computing, pattern recognition, hardware for prototyping;
- Machine Learning: artificial intelligence, neural networks, cybernetics, robotics, man–machine interfaces;
- Bio-Medical Applications: intelligent systems, bio-inspired algorithms, bioinformatics, biomedical circuits and systems;
- Energy: energy economics, smart grids, intelligent energy management, intelligent energy systems, load forecasting, modeling and simulation in energy and sustainability, non-intrusive load monitoring.

Prof. Dr. Morgado Dias

Guest Editors

Prof. Dr. Fernando Morgado-Dias

Dr. Antonio G. Ravelo-Garcia

Prof. Dr. João Cabral

Deadline for manuscript submissions

closed (31 January 2020)

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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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