Special Issue

Entropy in Biomedical Engineering, 3rd Edition

Message from the Guest Editor

The use of nonlinear methods in biomedical engineering has grown increasingly popular, with entropy-based ones being of major importance. Various definitions of entropy have been extensively used in biomedical engineering, where in some topics, the vast majority of papers employ entropy analysis. Biomedical engineering, with complex and multidimensional problems, has long inspired researchers working on entropy, leading to the development of significant entropy definitions. The inherent capability of entropy analysis to extract sensitive information from complex systems has been the key factor in its widespread acceptance and adoption.

This is the third Special Issue on entropy in Biomedical Engineering. This series of Special Issues focuses on the contribution of entropy in biomedical engineering, including, but not limited to, biomedical applications; the analysis of biomedical data using entropy; entropy definitions inspired by biomedical engineering challenges; entropy metrics evaluated with biomedical data; computational algorithms; and the use of entropy as features in machine learning applications analyzing biomedical data.

Guest Editor

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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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