Special Issue

Information Theoretic Signal Processing and Learning

Message from the Guest Editors

In recent years, alternative forms of entropy/entropy rate and mutual information have found utility in the analysis, design, and understanding of agent/machine/deep learning methods and for performance evaluation. Concepts that build on these quantities, such as relevant/maximum/meaningful/directed/Granger/predictive /discriminative/transient/negative information and Kullback–Leibler (KL) divergence/relative entropy, information gain, Kullback causality, redundancy, intrinsic redundancy, and stochastic/model/statistical/algorithmic complexity, have proliferated and been applied to problems in prediction, estimation, feature selection, signal representations, information extraction, signal recognition, and model building.

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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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