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Adaptive Signal Processing and Machine Learning Using Entropy and Information Theory

Guest Editors:

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Prof. Dr. David Luengo

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Dr. Danilo Comminiello

Deadline for manuscript submissions:
closed (31 October 2021)

Message from the Guest Editors

Entropy and information theory have always represented useful tools to deal with information and the amount of information contained in a random variable. Information theory mainly relies on the basic intuition that learning that an unlikely event has occurred is more informative than learning that a likely event has occurred. Entropy gives a measure of the amount of information in an event drawn from a distribution.

This Special Issue aims at providing recent developments in the areas of adaptive signal processing, machine learning, and deep learning using information theory and entropy to improve performance in widespread and popular problems and also to provide effective solutions to emerging problems.

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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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