Special Issue

Information Theory and Cognitive Agents

Message from the Guest Editors

This Special Issue aims to collect contributions that challenge those limitations by proposing new models of cognitive agents in which perception, information processing, learning, and action—in their separated or procedurally connected nature—are addressed using one among the differing IT declinations: Shannon's communication theory, control theory, statistical physics, probabilistic inference, and algorithmic complexity.

Submitted proposals may refer to cognitive agents as computational emulations of specific skills, such as intelligence, engineered to solve complex problems in specific domains, or as frameworks designed to illustrate conjectures and hypotheses about specific aspects of cognition.

Guest Editors

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Deadline for manuscript submissions

closed (15 December 2023)

Entropy

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About the Journal

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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