

## Special Issue

# Entropy Based Inference and Optimization in Machine Learning

### Message from the Guest Editors

Many modern machine learning algorithms are deeply rooted in the principles of statistical and information physics. A prominent example is the method of Maximum Entropy and its relations to Bayesian inference and optimization. Entropy-based methods have found many applications in modern machine learning, ranging from natural language processing to the development of approximate algorithms for large-scale data analysis. This special issue aims to focus on recent advances in entropy-based methods for inference and optimization problems in machine learning. We welcome submissions making novel contributions to the subject, both foundational as well as applied.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 December 2019)



## 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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### Editor-in-Chief

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