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Data Compression and Complexity

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Deadline for manuscript submissions:
closed (5 July 2021)

Message from the Guest Editors

This Special Issue aims to be a forum for researchers from diverse disciplines to present new insights into the theory and practice of data compression and to explore the rich interplay between info-theoretic methods and complex systems. Apart from novel algorithms that push the frontiers of state-of-the-art performance in data compression, we also welcome applications involving time series analysis, model selection, causal inference, and machine learning in real-world natural and human-engineered complex systems.

- Data compression (lossless and lossy)
- Universal source coding
- Compression complexity
- Complex systems
- Time series analysis
- Entropy coding
- Information-theoretic analysis
- Model selection
- Dynamical complexity
- Causal inference
- Machine learning and data compression

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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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