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Entropy Algorithms Using Deep Learning for Signal Processing

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Message from the Guest Editor

Signal processing is important in our daily lives as electronic devices, such as computers, radios, videos, mobile phones, are all enhanced by image and video processing. Signal processing is a part of computer science and information entropy that models and analyzes data representations of the physical world. Now, signal processing is starting to make waves in deep learning. Deep learning for signal data needs extra stages when compared to using deep learning or machine learning for other data sets. Signal data without any contamination is hard to achieve and signal data normally has meaningful noise and variability. This Special Issue calls for recent studies on various image, video, and signal processing algorithms that are based on deep learning and information entropy. Papers of both theoretical and applicative nature are welcome, as well as contributions regarding new image and video processing techniques for the entropy research community.



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Special Issue



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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.

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