Special Issue

Information Theory in Image Processing and Pattern Recognition

Message from the Guest Editors

This Special Issue provides a forum for discussing challenging topics in information theory in image processing and pattern recognition, with new insights, theories, methods and approaches, and applications. Some issues of interest include, but are not limited to, the following:

- IT in image processing and pattern recognition, considering CADe and CADx, with segmentation, texture analysis, feature analysis, classification and interpretation, exploring and applying the entropy concepts;
- Multiscale and multidimensional approaches with entropy concepts;
- Computer vision and machine learning devoted to CADe and CADx, exploring entropy issues in deep learning, representation learning, cooperative learning for multi-view analysis, learning deep features, and ensembles;
- Analysis based on explainable artificial intelligence with entropy.

Guest Editors

Prof. Dr. Leandro Alves Neves
Prof. Dr. Marcelo Zanchetta do Nascimento
Dr. Thaína Aparecida Azevedo Tosta

Deadline for manuscript submissions

closed (15 April 2024)

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/143392

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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.

Editor-in-Chief

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