



Information Theory in Image Processing and Pattern Recognition

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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.





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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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