



Information Theory in Image Processing and Pattern Recognition

Guest Editors:

Prof. Dr. Leandro Alves Neves

Department of Computer Science and Statistics (DCCE), São Paulo State University (UNESP), São José do Rio Preto 15054-000, Brazil

Prof. Dr. Marcelo Zanchetta do Nascimento

Faculty of Computer Science (FACOM), Federal University of Uberlândia (UFU), Uberlândia 38400-902, Brazil

Dr. Thaína Aparecida Azevedo Tosta

Science and Technology Institute (ICT), Federal University of São Paulo (UNIFESP), São José dos Campos 04021-001, Brazil

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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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Editor-in-Chief

Prof. Dr. Kevin H. Knuth

Department of Physics, University
at Albany, 1400 Washington
Avenue, Albany, NY 12222, USA

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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Entropy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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