Special Issue

Information Theory and Coding for Image/Video Processing

Message from the Guest Editors

This Special Issue aims to present the latest advancements in the field of information theory and coding techniques specifically tailored for image and video processing applications. We welcome original research papers and review articles that explore the theory, methodologies, algorithms, and practical implementations of information theory and coding in the context of image and video processing. Topics of interest include but are not limited to:

- Image and video compression techniques
- Error control coding for image and video transmission
- Joint source-channel coding for image and video communication
- Channel coding schemes for multimedia transmission
- Image and video watermarking
- Coding techniques for multimedia storage and retrieval
- Coding for multimedia streaming and adaptive streaming
- Information-theoretic analysis of image and video processing algorithms
- Source coding for virtual reality and augmented reality applications
- Coding for 3D imaging and depth perception
- Machine learning-based coding techniques for image and video processing
- Cross-layer design for information theory and coding in multimedia systems
- Security and privacy in image and video coding

Guest Editors

Prof. Dr. Ofer Hadar
School of Electrical and Computer Engineering, Ben Gurion University of the Negev, Be'er-Sheva 84105001, Israel

Mr. Shevach Riabtsev
School of Electrical and Computer Engineering, Ben Gurion University of the Negev, Be'er-Sheva 84105001, Israel

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Entropy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
entropy@mdpi.com

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About the Journal

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

Prof. Dr. Kevin H. Knuth
Department of Physics, University at Albany, 1400 Washington Avenue, Albany, NY 12222, USA

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