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Towards Image/Video Perception with Entropy-Aware Features and Its Applications

Guest Editors:

Prof. Dr. Ke Gu

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Dr. Jiheng Wang

Deadline for manuscript submissions:
closed (30 September 2021)

Message from the Guest Editors

Dear Colleagues,

Entropy is a good measurement of visual perceptual information and visual uncertainty, since it is capable of evaluating the amount of information that the multimedia source conveys to the human eyes. It is obvious that the perceptual information for the human visual system is crucial in many vision-related applications. In quality monitoring, the quality degradation varies as the perceptual information changes.

The topics of interest include but are not limited to:

Entropy-related feature modeling;
Objective image/video quality perception based on entropy;
Entropy-aware image/video understanding;
Entropy-aware imaging;
Augmented reality video processing;
The analysis of multimedia systems;
Naturalness statistic modeling;
Vision modeling based on entropy;
Objective detection based on the analysis of entropy;
Image/video coding considering entropy;
Other entropy-based multimedia signal processing.

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Editor-in-Chief

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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.

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