Special Issue

Logarithmic Imaging and Sensing

Message from the Guest Editor

The performance of image sensors highly depends on illumination conditions. As an alternative, image sensors with a logarithmic response are capable of acquiring illumination-invariant images. Planty of theoretical and applied papers have been published around the logarithmic image processing (LIP) model from its creation until today, proving its efficiency in particular for images acquired under uncontrolled and/or very low lighting. The Special Issue aims at focusing on state-of-the-art research in the domain of logarithmic imaging and sensing, including new developments currently arising linked with artificial intelligence and deep learning, with mathematical morphology or with other existing theories and successfully applied in various fields (biomedical, industry, safety, military, etc.).

- logarithmic image processing
- sensing
- low lighting
- deep learning
- artificial intelligence
- mathematical morphology

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2021)

About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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