

Special Issue

Deep Learning-Based Image and Signal Sensing and Processing

Message from the Guest Editors

Deep learning is very effective in signal sensing, computer vision, and object recognition. Many of the advanced sensing image and signal processing algorithms proposed in recent years are related to it. Deep learning is a critical technique in image sensing and signal sensing. In image processing, deep learning techniques have been widely applied in object detection, object recognition, object tracking, image denoising, image quality improvement, and medical image analysis. In signal processing, deep learning techniques can be applied to speech recognition, musical signal recognition, source separation, signal quality improvement, ECG and EEG signal analysis, and medical signal processing. Therefore, deep learning techniques are important for both academic research and product design. In this special session, we encourage the authors to submit the manuscripts that are related to the algorithms, architectures, solutions, and applications adopting deep learning techniques.

Guest Editors

Prof. Dr. Jian-Jiun Ding

Prof. Dr. Feng-Tsun Chien

Dr. Chih-Chang Yu

Deadline for manuscript submissions

closed (30 June 2024)



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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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