Special Issue

Convolutional Neural Networks for Visual Detection, Recognition and Segmentation in Images and Videos

Message from the Guest Editor

We are inviting submissions to the Special Issue on "Convolutional Neural Networks for Visual Detection, Recognition and Segmentation in Images and Videos". The main objective of this Special Issue is to discover and examine theory and application of CNN-based deep learning architectures for the problems in image and video applications. The topics of this Special Issue on “Convolutional Neural Networks for Visual Recognition, Detection and Segmentation in Images and Videos” explicitly include (but are not limited to) the following aspects:

- convolutional neural networks;
- evolutionary deep learning models;
- big image and video datasets;
- deep-learning-based image/video processing;
- hybrid deep learning models;
- parallel deep convolutional neural networks;
- deep-learning-based object detection and recognition in images and videos;
- deep-learning-based object tracking;
- image and video segmentation;
- deep CNN-based real-time video processing;
- expert systems;
- applications of convolutional autoencoder in images and videos;
- applications of convolutional and generative adversarial networks.

Guest Editor

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Deadline for manuscript submissions

closed (15 November 2023)

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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