Deep Learning for Signal Processing Applications

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Deadline for manuscript
submissions:
closed (31 May 2023)

Message from the Guest Editor

This special issue aims to provide comprehensive coverage on cutting edge research and state of the art methods on deep learning applications, especially with images and videos. Authors are requested to submit papers on the following topics (but not limited to):

- Image classification and segmentation by deep learning techniques, Object Detection, image reconstruction, image super-resolution and image synthesis by deep learning techniques.
- Cancer imaging using deep learning techniques.
- Deep Learning in Gastrointestinal Endoscopy.
- Tumour detection using deep learning.
- Deep learning for image analysis using multimodality fusion.
- Image quality recognition methods inspired by deep learning.
- Advanced Deep Learning methods in computer vision with 3D data.
- Deep Learning models to solve the task of MOT (Multiple Object Tracking).
- Novel applications of Deep learning in a video classification framework
- Deep learning techniques for video semantic segmentation.
- Video summarization using deep learning.
- Human action recognition using deep learning.
- Application of deep learning in satellite imagery, aerospace, defense and communications, industrial automation

Special Issue

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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