Special Issue

Deep Learning-Based Action Recognition

Message from the Guest Editor

Human action recognition (HAR) has gained popularity because it can be used for numerous applications. Recently, deep learning has achieved great success in many challenging research areas, such as image classification and object detection. The greatest advantage of deep learning is its ability to automatically learn representative features from large-scale data. This Issue intends to prompt state-of-the-art methods on deep learning for human action recognition. We invite researchers to submit research papers in this Issue on Deep Learning-Based Action Recognition.

- • image/Video based HAR using deep learning
- • multimodal fusion for HAR using deep learning
- • fusion of shallow models with deep networks for HAR
- • device heterogeneity for device-based HAR
- • scene changes for device-free HAR
- • transfer learning for HAR
- • online learning for HAR
- • semi-supervised learning for HAR
- • survey for deep learning based HAR

Guest Editor

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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.

Editor-in-Chief

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