Deep Learning and Machine Learning in Biomedical Signal and Image Processing

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Machine learning (ML) is an exploratory field dedicated to understanding and building how to learn as well as how to use data to improve the performance of a set of tasks. Among machine learning methods, deep learning (DL) is defined as a set of machine learning algorithms that attempt high-level abstraction through a combination of several nonlinear transformation methods. In particular, the recent development of deep learning using advanced techniques for deep learning-based biomedical image and signal processing has become a field that is being actively studied in medicine and academia.

This Special Issue is concerned with biomedical signal processing (ECG, EEG, EMG, PPG, BCG etc.), biomedical image processing (MRI, CT, PET, X-ray etc.), disease diagnosis, biometrics, and biomedical analysis based on deep learning and machine learning

Dr. Keun-Chang Kwak
Guest Editor

Special Issue

Editor-in-Chief

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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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