

Special Issue

Signal Processing and Machine Learning Approaches for Processing Biomedical Sensor Signals

Message from the Guest Editors

Biomedical sensor signals such as electrocardiograms, photoplethysmograms and electroencephalograms are always affected by noise, meaning that their signal quality is usually very poor. Existing works have focused on the development of denoising algorithms. At present, some advanced signal processing techniques such as wavelet-based denoising methods, empirical mode decomposition-based denoising methods, variational mode decomposition-based denoising methods and singular spectrum analysis-based denoising methods have been developed. In addition, some machine learning approaches such as deep learning approaches have also recently been developed to enable denoising. These techniques can further improve the signal-to-noise ratio of biomedical sensor signals. This call for papers aims to publish articles on novel signal processing and machine learning techniques used for both the denoising and signal screening of biomedical sensor signals.

Guest Editors

Prof. Dr. Wing-Kuen Ling

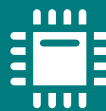
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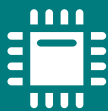


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