Special Issue

Advances in Machine Learning for Physiological Signal Processing Applications

Message from the Guest Editor

Topics of this special issue will include, but are not limited to:

- computational measurement of electroencephalogram (EEG), electromyography (EMG), and electrocardiogram (ECG) bio-signals and other electrophysiological signals for progressive disease detection and monitoring
- analysis of physiological signals with a low signal-to-noise ratio
- biomedical signal analysis using machine learning and modelling
- data mining in biomedical applications
- data fusion strategies and their applications in applied physiology
- deep learning in physiological signals
- novel supervised learning, semi-supervised learning, clustering approaches for sensory data processing, and classification
- application of nonlinear features of physiological data
- advanced signal processing techniques for nonstationary or multi-scale data analysis
- scalable, robust, data-driven, and ensemble learning for biomedical data mining
- IoT-based wearable sensors and trackers for healthcare

Guest Editor

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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