Biosignal Sensing and Analysis for Healthcare Monitoring

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Deadline for manuscript submissions:
closed (20 September 2023)

Message from the Guest Editors

This Special Issue aims to collect original contributions or critical reviews focusing on the biological signal acquisition, processing, and analysis of healthcare monitoring and computer-aided diagnosis. The topics include, but are not limited to, sensor signal filtering, amplifying, and decomposition; computational feature extraction, physiological activity monitoring, clinical data analysis and interpretation, and machine learning algorithms for healthcare applications.

Topics of interest include, but are not restricted to:

- Biomedical signal processing and analysis;
- Data interpretation for biological processes;
- Sensor data fusion for multi-modal devices;
- Wearable or implantable sensor integration;
- Low-cost IoT applications for healthcare monitoring;
- Biological signal decomposition and reconstruction;
- Feature extraction and computing for ECG, EMG, EEG, PPG, and other physiological signals;
- Machine learning tools for healthcare data analysis;
- Artificial intelligence for computer-aided diagnosis;
- Deep learning algorithms for retinal OCT image analysis.

Special Issue

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Message from the Editor-in-Chief

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