Advances in Biosignal Processing and Biomedical Data Analysis

Guest Editor:

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Deadline for manuscript submissions:
closed (30 April 2023)

Message from the Guest Editor

Dear Colleagues,

Biosignals have unique characteristics for each individual and are mainly used for disease judgment, prediction, and health status monitoring. As such, they play an important role in diagnosis.

Recent progress in machine learning techniques, and in particular deep learning, has revolutionized various fields of artificial vision, significantly pushing the state of the art of artificial intelligence systems into a wide range of high-level tasks. Such progress can help address problems in applications of biosignal data based on embedded systems.

We invite authors to submit original research articles, review articles, and significant preliminary communications covering (but not limited to) the following topics and scopes:

- Big data processing for biometrics;
- Biometric feature extraction based on deep learning;
- Biometrics based on deep learning;
- Advanced technologies in biosignal processing;
- Deep learning architecture modeling for biosignals;
- Analysis and utilization of various biosignals;
- Biosignal processing based on wearable devices;
- Architectures and applications in wearable devices.

Special Issue

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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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