Biosignal Processing

Guest Editor:

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Deadline for manuscript submissions:
closed (30 November 2018)

Message from the Guest Editor

The aim of this Special Issue is to advance new approaches to analyze 1D~3D datasets to reveal mechanisms of biological phenomena and identify indicators of diseased states.

In particular, we want to highlight new approaches for bio-signal/bio-image analysis with an emphasis on the monitoring and early detection of diseases.

Recent advances in artificial intelligence (AI) and machine learning (ML) have the potential to transform healthcare practices from the traditional "one-size-fits-all" to targeted and personalized treatments. AI approaches to medicine require new methods to manage and analyze large biomedical datasets, for example, genomic, X-ray/CT images, and dynamic multivariate physiological readouts including electrocardiographic, electroencephalographic and fMRI data.

With this mission, we invite you to contribute original research papers or comprehensive reviews to this Special Issue on Biosignal Processing. Your contributions will help to improve and advance methodologies to process and analyze libraries of biomedical data that will generate new opportunities in AI to develop approaches and solutions to important medical and biological problems.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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