Special Issue

Biomedical Signal Processing and Machine Learning Techniques

Message from the Guest Editors

The application of biomedical signal processing and analysis contributes to the development and reliability of diagnostics and/or further enhances our understanding of "human systems". In summary, modern machine learning-based devices contribute to understanding human system functioning and improving the quality of life. For instance, muscle or speech impairments, diseases, or abnormal conditions, to name a few, adversely impact daily life and can have a significant social and economic impact on society. In this respect, advanced signal processing based on ML techniques could assists the day-to-day communication/activities of patients with impairments or diseases. The main topics of this Special Issue include, but are not limited to, the following:

- Biomedical signal acquisition, filtering, and processing;
- Biomedical signal analysis with ML techniques;
- Core algorithms based on ML methodology for medical aid.

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About the Journal

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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