Machine Learning and Deep Learning for Biosignals Interpretation

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Message from the Guest Editors

This Special Issue aims to collect relevant research advancements biosignal processing and information/knowledge extraction from biosignals based on machine learning and deep learning, as well as to report the design and development of novel systems that use biosignals and ML/DL to address specific application scenarios, which include, but are not limited to: Analysis of human movements; Emotion detection and classification; Health status monitoring; Support for diagnosis and therapy management of pathologies; Assistive devices; Human–computer interaction.

In the context of this Special Issue, relevant classes of biosignals include the following: Bioelectrical signals generated by nerves and muscle cells;Biomagnetic signals associated with specific physiological activity typically linked to an accompanying electric field from a specific tissue or organ; Biomechanical signals describing mechanical functions of biological systems including motion, displacement, tension, force, pressure and flow, production of measurable biological signals; Biochemical signals containing information about changes in concentration of chemical agents in the body.

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Message from the Editor-in-Chief

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