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Innovative Technologies of Acquiring, Processing, Modeling, or Utilizing Biomedical and Physiological Signals from Biosensing

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Message from the Guest Editor

Dear Colleagues,

The continuous increase in accessible biosignal acquisition and processing technology have contributed to a significant amount of available data. Continuous data collection through internal or external biosensors through mobile phones, smartwatches, hearables, wristbands, video cameras, and other non-invasive and invasive sensors has provided a valuable volume of information, which needs to be curated, prepared, processed, and modeled for serving various AI application scenarios, including healthcare, sports, smart homes, edutainment, and security, among others.

This Special Issue focuses on the research of the biomedical and physiological signals obtained from traditional and innovative sensors, the types of which include, but are not limited to, electric, magnetic, mechanical/kinetic, thermal, chemical, optical, and acoustic, among others. The research objects can be single-modal or multi-modal signals.

We welcome findings, studies, and reviews on innovative technologies for acquiring, processing, modeling, and utilizing biosignals. We cherish every piece of new work from our peer scientists and value every piece of information from all areas.



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Special Issue



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Message from the Editor-in-Chief

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