Advancements in Signal Processing and Machine Learning for Healthcare

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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to highlight the latest innovations and breakthroughs at the intersection of signal processing, machine learning, and healthcare, with a particular emphasis on advancing the fields of health monitoring, diagnosis, and personalized care. As the integration of technology into healthcare continues to evolve, signal processing and machine learning techniques play increasingly pivotal roles in extracting meaningful insights from complex healthcare data, ultimately leading to improved patient outcomes and enhanced quality of care. Topics of interest include but are not limited to physiological signal processing, wearable devices, remote monitoring systems, predictive modeling, medical imaging analysis, clinical decision support systems, and personalized medicine. We welcome submissions that address challenges in data acquisition, processing, analysis, interpretation, and decision making, with the overarching goals of advancing state-of-the-art healthcare technology and transforming the delivery of healthcare services.

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Special Issue

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Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

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