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Sensors and Biomedical Signal Processing for Patient Monitoring

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Deadline for manuscript
submissions:

closed (20 April 2022)

Message from the Guest Editors

Healthcare deployment will increasingly take advantage of unobtrusive sensing, supported by (ultra)low-power technology, wireless communication, signal processing, and machine learning to expand in the direction of extramural patient monitoring. New sensing solutions are emerging that provide unprecedented possibilities for timely detection of diseases, leading to less invasive intervention and improved patient outcome, paralleled by reduced hospitalization and associated costs. Extramural and especially ambulatory monitoring are hampered by the presence of artifacts and interferences in the recorded signals, which are dominant in everyday-life scenarios. Robust monitoring requires joint development of sensing technology and signal processing algorithms to extract the relevant diagnostic information, also exploiting multimodal and/or multichannel recording for accurate signal interpretation.

Topic of interest include, but are not limited to the following:

patient monitoring

biomedical signal processing

wearable sensors

multimodal sensing

machine learning



mdpi.com/si/52932

Special Issue



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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