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Advances in Wearable Photoplethysmography Applications in Health Monitoring

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Deadline for manuscript
submissions:

closed (28 February 2023)

Message from the Guest Editors

Photoplethysmography (PPG) is a low-cost optical technique that can provide useful information about the cardiovascular system. Due to its versatility, this technology can be used to develop wearable and wireless devices for out-of-hospital monitoring of both healthy and pathological subjects.

Even if technology has successfully increased the comfort of wearable PPG sensors, scientific research is still working on several issues, e.g., poor sensor adhesion which leads to acquiring corrupted signals. In this context, there are many challenges related to PPG wearable device design and novel signal processing techniques to derive robust indices. The investigation of PPG rhythm and morphology features is growing in interest.

This Special Issue will focus on original research papers and comprehensive reviews dealing with hardware and software advances for PPG monitoring. Topics of interest include cardiovascular pathologies, aging, stress and sport monitoring.



mdpi.com/si/64738

Special Issue



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Message from the Editor-in-Chief

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