



Data Processing and Wearable Systems for Effective Human Monitoring

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Message from the Guest Editors

The last few decades have seen an unrestrained development of wearable and mobile technologies, such as smartphones, smartwatches, lightweight sensors, displays, cameras and interfaces for monitoring physiological signs, human behavior, social interaction, cognitive skills, lifestyles, etc.

These devices, that are now equipped with a significant amount of computational power, low-energy wireless communication, long-life battery and large-memory storage, allow novel avenues in the human-centered concept of enlarging the single-user model to a collaborative and distributed network. However, with regard to the current proposal of new miniaturized hardware devices and systems, issues surrounding processing, visualization, and storage of such large amount of available data are associated with the challenging discovery of hidden information.

This Special Issue aims at bringing together the significant, cutting-edge research findings in the field of wearable and mobile sensor design and signal processing to manage with data acquisition and processing issues in lab-settings and real ecological scenarios.





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Message from the Editor-in-Chief

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