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Wearable and Mobile Sensors and Data Processing

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Deadline for manuscript submissions:

closed (1 December 2022)

Message from the Guest Editors

This Special Issue aims at bringing together recent advances and cutting-edge research findings in the field of wearable and mobile sensor design and automatic signal processing for data acquisition and processing in lab settings and real ecological scenarios, as well as in 24-h monitoring of physiological/pathological conditions.

- Wearable and mobile systems for physiological signal monitoring
- Real-time signal processing of physiological signals in a lab setting and real-scenarios
- Wireless sensing, ultra-low power consumption, and flexible electronics devices
- Embedded systems for health monitoring
- Nanotechnologies and chemical sensors
- Miniaturized sensors for clinical applications
- Continuous non-invasive monitoring of chemical biomarkers (e.g., sweat, breath, tears)
- Integrated passive wireless transmission systems with applications to wearable devices
- Artifact reduction in wearable system recordings: hardware and/or software solutions
- Machine learning techniques and applications to wearable data
- Big data mining: large-scale analysis of wearable-systems-acquired data
- Emotion recognition from wearable and mobile systems data.



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Special Issue



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Message from the Editor-in-Chief

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