



Special issue on “Wearable computing techniques for smart health”

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Wearable computing is the study or practice of inventing, designing, building, or using miniature body-borne computational and sensory devices. Wearable computing devices can range from providing very specific, limited features such as heart rate monitoring and pedometer capabilities to advanced “smart” functions and features. Recent advances in telecommunications, microelectronics, sensor manufacturing and data analysis techniques have opened up new possibilities for using wearable technology in the digital health ecosystem to achieve a range of health outcomes. Many wearable tech products use multiple digital health sensors that are typically integrated into sensor networks comprising other body worn sensors and ambient sensors. Some monitoring systems require the gathered sensor and wearable data to be uploaded to a remote site such as a hospital server for further clinical analysis. With the advent of cloud-computing, many wearable sensor systems can now be easily upgraded without the need for user installation of software in their monitoring devices, which makes it easier and cheaper to maintain the health monitoring system networks.

This special issue invite recent and exciting original research which focused on wearable sensor applications, wearable computing in ubiquitous and smart telemonitoring systems. We also invited some investigators to contribute

original research articles as well as review articles and especially multidisciplinary papers that will help in promoting the research on wearable computing techniques for smart health, with application to predictive modelling for improving healthcare, robotics, intelligent medical devices and smart technologies enabled by IoT for smart health.

It is our pleasure to release this issue of Journal of Ambient Intelligence and Humanized Computing, which represents a cross-section of research in wearable computing techniques for smart health. This special issue accepts two papers from more than 40 submissions, we thank all the reviewers, who have made excellent work and valuable comments on all these two papers.

This edition is the continuation of our publishing activities. All the included contents were anonymously reviewed by experts to maintain academic excellence and integrity. We wish to thank all, including also authors and others, who directly and indirectly have been contributing to the release of this issue by their engagement.

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