Body Sensor Networks and Wearables for Health Monitoring

Guest Editor:

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Message from the Guest Editor

Nowadays, wearable sensors are used in a number of applications, from fashion to fitness and security; however, the most promising application of such technology is within healthcare. Wearable sensors can be exploited for the real-time monitoring of physiology and activities. This special issue aims to explore these challenges and their potential solutions. The main topics of this Special Issue include, but are not limited to, the following:

- Low power wireless communication for wearable sensors;
- Body-centric wireless networks;
- Interoperability and standards for wearable health monitoring;
- Security models and technologies for wearable health monitoring;
- Applications of networked wearable sensors for health monitoring;
- Algorithms for extracting meaningful information from wearable sensors;
- Data collection and processing architectures;
- Usability, ergonomicity, and biocompatibility of wearable devices and their applications;
- Users' perceptions about the privacy and reliability of wearable health monitoring;
- Clinical trials and pilot studies involving body sensor networks and wearable health monitoring.

Special Issue

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Message from the Editor-in-Chief

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