Special Issue

Sensor Applications in Medical Monitoring and Assistive Devices

Message from the Guest Editors

The development of sensor systems for monitoring and assistive devices will encompass the following areas:

- Sensor platforms and biomedical signal and data processing
- Power and wearability aspects in device design
- Pattern recognition, data mining and machine learning applied to biomedical system design
- Feature extraction and quantification of biomedical movements of speech
- Computational Modeling and Data Integration
- Biomedical Text Mining
- Medical Robotics
- Health informatics and Clinical Data analytics
- Biomedical Computing
- Clinical Data Analysis
- Wireless physiological monitoring devices and software application development
- Autonomic context sensing and multi-sensor fusion technology
- Remote sensing systems for patient assessment and treatment in medical and allied health clinics
- Real-time monitoring of physical daily life activities, caloric intake, sleep quality, gait, posture and other factors related to personal well-being.
- Body-sensor networks in biomedical application
- Healthcare applications based on IoT technologies.
- Clinical assisted living applications
- Human gait dynamics and balance metrics

Guest Editors

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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