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Sensor Applications in Medical Monitoring and Assistive Devices

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Deadline for manuscript submissions:

closed (15 July 2018)

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



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Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

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