



Call for Papers

Special Collection on Wearable Technologies for Active Living and Rehabilitation

To have your paper included, submit by 31st May, 2017

Advance in technology have opened up a wide range of possibilities for monitoring individual activity monitoring. Wearable sensors attached to the body in different ways, can record not only movement data but also muscle activity and vital functions such as heart rate, oxygen saturation and sweating. These have the potential to increase the impact of rehabilitation interventions and to provide monitoring to enable and promote active living. Such wearables encompass simple to high technologies and emerging pervasive and mobile applications. The idea behind this Special Collection is to provide a consolidated set of papers concerning the state-of-the-art and evidence of efficacy across the full range of technology-based wearables for active living and rehabilitation.

Scope of the Special Collection:

User needs assessment

- Understanding user needs of both wearers and clinical providers

Technology solutions

- Understanding user needs of both wearers and clinical providers
- Technologies available or under development for particular measurements
- Clinical needs and benefits of particular measurements
- New sensor technologies
- Outstanding technical challenges

Emerging Solutions

- Novel applications of existing sensors
- Applications to telehealth and telemedicine to promote independence in and away from home
- Applications within hospitals and care homes etc.
- Implementation in healthcare systems

Clinical Studies

- Demonstrating efficacy through clinical studies
- Wearable sensors that monitor movement, activity and other physiological functions to promote self-management;
- State of the art for wearables across a range of activities and across the whole population
- Home-based applications
- Telemedicine applications with communication between patients, their healthcare professionals, their friends, families and other patients.
- Cost-effectiveness studies

No APCs for a limited period (normally \$2500)

Manuscripts submitted to this Special Collection will be peer-reviewed before publication

Submit your article here: bit.ly/rate-guidelines

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Manuscript Due

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First Round of Reviews

April 2017

First Papers Published

July 2017