Wireless Communications and Mobile Computing

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Special Issue on
Mobile Assistive Technologies

CALL FOR PAPERS

Over the past few years, assistive technologies have made important steps in enhancing the quality of everyday life, in terms of autonomy and well-being of individuals in need of assistance and care. Recent advances in information technology are leading to a rapid evolution of mobile platforms into standards for the implementation of assistive technologies. Mobile assistive technologies allow individuals to benefit from portable and discrete aids delivered through ubiquitous devices.

Ranging from physical assistive aids to domotics or even applications that repurpose smartphones to electronic assistive devices, breakthrough technologies are allowing to accomplish everyday tasks or even engage in learning tasks and develop social skills more easily. This special issue aims at creating a multidisciplinary forum of discussion on recent advances within the field of mobile technology to support individuals of all ages in need of assistance and care.

The special issue will be expected to show a diversity of new developments in these areas. Submissions containing high-quality original research results as well as review articles of the field.

Potential topics include but are not limited to the following:

- Accessibility of mobile platforms
- Assistive IoT architectures, protocols, and algorithms in smart cities
- Augmented and virtual reality mediated assistive applications
- Cloud-based assistive technologies
- Collaborative design of mobile assistive applications
- Gamification in mobile assistive technologies
- Human-Computer Interaction (HCI) and usability in mobile assistive technology
- Integrated mobile solutions for Ambient Assisted Living (AAL)
- Mobile affective computing
- Mobile assistive technology architecture and design
- Mobile entertainment technologies for the elderly
- Mobile rehabilitation technologies
- Mobile telehealth and telemedicine
- Networked multimodal platforms
- Personal virtual coaches for assisted living
- Sensory feedback and biofeedback systems in assistive technologies
- Social-cognitive models of assistive technologies
- Trust, security, and privacy issues in mobile assistive technologies
- Wearable assistive technologies and Internet of Things (WIoT)

Authors can submit their manuscripts through the Manuscript Tracking System at https://mts.hindawi.com/submit/journals/wcmc/mat/.

Papers are published upon acceptance, regardless of the Special Issue publication date.

Lead Guest Editor
Simone Spagnol, University of Iceland, Reykjavík, Iceland
spagnols@hi.is

Guest Editors
Ádam Csapó, Széchenyi István University, Gyor, Hungary
csapo.adam@sze.hu

Evdokimos Konstantinidis, Aristotle University of Thessaloniki, Thessaloniki, Greece
evdokimosk@gmail.com

Kyriaki Kalimeri, ISI Foundation, Turin, Italy
kalimeri@ieee.org

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