Special Issue on
Accessibility, Inclusion, and Rehabilitation Using Information Technologies

CALL FOR PAPERS

Social exclusion occurs when individuals or even entire communities of people are blocked from rights, opportunities, and resources and prevented them from full participation in the activities of the society in which they live.

The purpose of this special issue is to publish recent advances in development accessibility, inclusion, and rehabilitation using Information Technologies. The term Information Technologies in context to this special issue refers in general to the development and use of computer systems, software, and networks in relation to issues of accessibility, inclusion, and/or rehabilitation. The call for articles reflects advancements and opportunities brought about in this field through technical innovations alongside adoption and inquiry by those practicing and/or researching in this important field associated with healthcare and societal well-being. Examples of such opportunities are the pervasiveness and wide uptake by training personnel, in academia and in research enquiring of societal impact and end-user benefit in treatment programs sensors technologies. This twenty-first century work investigates and applies technologies that have become affordable and commercially available following game industries uptake and developments since the turn of the century and thereafter. However, it should be emphasized that this is only an example and authors are encouraged to make their own case according to their specific research that aligns with the general framework of the call for this special issue, such as prevention, diagnosis, therapy, rehabilitation, long-term care, and telemedicine.

The research articles must address the problems related to the application of information technologies in accessibility to enable people with functional limitation to perform tasks that they were formerly unable to accomplish, in inclusion for people with different abilities and preferences and in rehabilitation.

Potential topics include but are not limited to the following:

▶ Design, evaluation, and use of IT to benefit people with disabilities (sensory, motor, and cognitive impairments/multiple disabilities) and elderly people

▶ Information technologies to accessibility to enable people with functional limitation to perform tasks that they were formerly unable to accomplish

▶ IT for the inclusion for people with different abilities and preferences

▶ IT for rehabilitation

▶ eHealth for public health and eHealth for aging

▶ Assisted living technologies

▶ Image and video processing on eHealth

▶ Robotics on eHealth

▶ Practical applications of eHealth

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

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

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