Applications and Trends on Artificial Intelligence-Based Assistive Technology

Guest Editors:

Prof. Dr. Anton Civit
Department of Computer Architecture and Technology, Universidad de Sevilla, 41004 Sevilla, Spain

Prof. Dr. Panagiotis Bamidis
Lab of Medical Physics, School of Medicine, Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece

Prof. Dr. Julio Abascal
Department of Computer Architecture and Technology, University of the Basque Country/Euskal Herriko Unibertsitatea (UPV/EHU), 48049 Bilbao, Spain

Deadline for manuscript submissions:
closed (31 May 2021)

mdpi.com/si/41093

Message from the Guest Editors

Today AI can be effectively applied to the development of products and services to improve the life quality of people with disabilities. However, the potential of these technologies to help people with disabilities in their daily tasks goes far beyond what it is currently available, since most of them are still in the research stage.

The aim of this Special Issue is to present novel approaches to Assistive Technology efficiently focusing on the usefulness for the final and (possible) intermediate users. Both theoretical and experimental studies for AI-enabled Assistive Technologies are encouraged.

The scope of this SI encompasses but is not restricted to the following areas:

- AI-enabled vision assistance for people with visual impairments;
- Machine learning approaches for dysarthric speech processing;
- AI based alternative and augmentative communication tools;
- AI-based tools for people with hearing related disabilities;
- Personal Assistants for people with cognitive disabilities;
- AI-based assistive environments;
- Intelligent mobility aids;
- Novel applications and case studies in intelligent Assistive Technology.

Special Issue

Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, and other databases.
Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

Contact Us