Call for Papers

Special Issue

Narrowing the gap: ICTs for cognitively impaired older adults

About the UAIS Journal

The UAIS Journal solicits original research contributions addressing the accessibility, usability and acceptability of the Information Society Technologies by *anyone*, *anywhere*, at *anytime*, and through *any media and device*. Universal access refers to the systematic effort to proactively apply principles, methods and tools of universal design, in order to develop Information Society Technologies which are accessible and usable by all citizens.

The Journal's unique focus is on theoretical, methodological, and empirical research, of both a technological and non-technological nature, that addresses equitable access and active participation of potentially all citizens in the Information Society.

For further information, please, refer to the "Aims and scope" section on the Website of the UAIS Journal.

Aims and scope of this special issue

Information and Communication Technology (ICT) applications, tools and systems can be very useful for facilitating the lives of older adults with cognitive impairments and their carers.

The exploitation of these technologies for the benefit of cognitively impaired older adults provides a new approach for narrowing the gap in the use of ICT, contributing to independent living and empowering these individuals to continue to participate in the society.

Original research contributions are solicited, which focus on the development and/or use of new ICT applications, tools and systems and supporting the establishment of an inclusive and sustainable service/tool ecosystem, aiming to improve the quality of life and personal autonomy of older adults with cognitive impairments, as well as to support their caregivers and healthcare

professionals. Also, toolkits for developers in existing and emerging market ICT-based products are of great interest.

The thematic scope of this special issue includes scientific issues relating to the software organization and implementation, or to the utility and usability of novel ICT applications, tools and/or systems, provided that they contribute to improving independent living and/or care of cognitively impaired older adults.

Main topics

This special issue will focus on research on the design, development, evaluation, and use of ICT applications, tools and systems that support accessibility of ICT to enhance the quality of life and personal autonomy of older adults with cognitive impairments. Contributions should demonstrate how the ICT solution supports older adults or carers.

Authors of submissions should carefully explain how the work and results presented contribute to facilitating and promoting independent living or care of cognitively impaired older adults in any domain of a person's life including: activities at home or outdoors, communication, health maintenance, travel, mobility and socialization, among other areas.

Contributions are solicited in, but not limited to, the following topics:

- Design and implementation of ICT solutions for independent living and/or care of cognitively impaired older adults.
- Design and implementation of novel tools for helping developers to create applications for the care or support of cognitively impaired older adults to live independently.
- Ergonomics and human factors of ICT applications, tools and systems, to meet the needs of cognitively impaired older adults.
- Design theory, software architectures, and support tools for cognitively impaired older adults.
- Methods, techniques, instruments and evaluation results on the assessment of the QoL impact, utility, accessibility and usability of novel ICT applications, tools and systems for cognitively impaired older adults.

Important dates

Deadline for submission of papers: 31st of October 2018.
Notification of acceptance: 31st of December 2018.
Deadline for submission of camera-ready version of accepted papers: 28th of February 2019.
Expected publication date of the special issue: Second semester of 2019.

Submission guidelines

Submissions should be prepared according to the author instructions available at the journal homepage, http://www.springer.com/computer/hci/journal/10209 by following the link to the "Instructions for Authors". Typical length of a manuscript is 20-30 pages.

Initial manuscripts must be submitted electronically in the form of PDF file through the Springer Editorial Management System available at https://www.editorialmanager.com/uais/default.aspx. During the submission process, please select the article type "S.I.: ICTs for cognitively impaired older adults".

Reviewing process

All papers will be peer review by three reviewers, experts in the field, appointed by the Guest Editors of the issue in consultation with the Editors-in-Chief of the Journal.

Copyright information

Submission of an article implies that:

- the work described has not been published before, except in form of an abstract or as part of a published lecture, review, or thesis;
- it is not under consideration for publication elsewhere.

For further information, please, refer to the "Copyright information" section on the Website of the UAIS Journal.

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