

Springer

**International Journal Universal Access in the Information Society
UAIS**

Editor-in-Chief: Constantine Stephanidis

<http://www.springeronline.com/journal/10209/about>

Call for Papers

Special Issue on Technologies for Enhancing Accessibility and Fighting Info-exclusion

Authors of the best papers presented at the 5th International Conference on Software Development and Technologies for Enhancing Accessibility and Fighting Info-exclusion (DSAI'2013, <http://dsai2013.utad.pt>) are invited to submit substantially extended and enhanced versions of their Conference papers to be peer-reviewed and considered for publication in this special issue. Revised manuscripts must comprise significantly new material, and should explicitly discuss the relevance of the presented research work to enhance accessibility and fighting info-exclusion. Particular emphasis will be placed on novelty and usefulness, scholarly style and adequacy of references cited. This special issue is also open to other prospective authors with thematically related contributions.

Aims and scope of this special issue

The topics of this special issue include:

- Interfaces and interaction: ergonomics, accessibility and usability, adaptive interfaces, human computer interfaces, multi-platform design, improving digital tv and electronic communications access, natural interaction, interaction design, speech interfaces, natural language interfaces, tangible and organic interfaces, interactive animation, gaming, universally accessible graphical design, tools for accessible graphic design, computer simulation of the user interaction, non-invasive brain computer interaction, novel and multi-modal user interfaces.
- Technologies: mobile technology, virtual environments, augmented reality, assistive technology, computer vision, image processing, automation and robotics, architectures and tools for universal access, audio engineering, smart homes, sound design, social networking, accessible media, cloud computing based assistive technologies, deployment and scalability of cloud computing accessibility tools, innovative techniques to support accessibility, assistive technologies that improve access to mainstream computer and information technologies, identification of barriers to technology access that are not addressed by existing research, service applications.
- Case Studies: empirical studies and data analysis of crowdsourcing for accessibility, quality assurance of crowdsourcing generated content, methodologies for crowdsourcing procedures for accessibility, accessibility guidelines, best practice, evaluation techniques and tools, psychology of end user experiences and scenarios, cognitive task analysis
- e-health: health and safety, psychosocial issues, cognitive modeling, engineering systems and healthcare delivery, healthcare services using it, access to on-line communities and eservices, simulation and optimization, therapeutics and diagnostic systems, devices and technologies, neural engineering and neuromuscular systems, rehabilitation engineering, bioinstrumentation: sensors, micro, nano and wearable technologies.
- Ageing: distance learning, sensory substitution, rehabilitation and caregiving, teleoperation, puppeteering and autonomy, design for inclusion, communityware, healthcare communities, social presence, cognitive rehabilitation, adaptive and augmented interaction, independent living and active ageing, assistive technologies that improve day-to-day life.

Important dates

Full manuscript due: April 30, 2014

Notification of the first review: June 30, 2014

Final acceptance notification: September 30, 2014

Final manuscript due: October 31, 2014

Publication date: Spring 2015 (Tentative)

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 EasyChair. Information about the manuscript (title, full list of authors, corresponding author's contact, abstract, and keywords) must be included in the submission.

Reviewing process

All papers will be peer reviewed by three reviewers, experts in the field, appointed by the Guest Editors of the issue in consultation with the Editor-in-Chief of the Journal. Following the review process, papers accepted for publication may be subject to editorial comments by the Journal Editor-in-Chief.

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 manuscripts that are revision of papers presented at DSAI'2013 the submissions must be substantially enhanced and enriched, comprising at least 30% new, previously unpublished material.

Guest editors

João Barroso, University of Trás-os-Montes e Alto Douro, Portugal – e-mail: jbarroso@utad.pt

Manuel Pérez Cota, Universidade de Vigo, Spain – e-mail: mpcota@uvigo.es

Hugo Paredes, University of Trás-os-Montes e Alto Douro, Portugal – e-mail: hparedes@utad.pt

Leontios Hadjileontiadis, Aristotle University of Thessaloniki, Greece – e-mail: leontios@auth.gr

About the UAIS Journal

The UAIS Journal solicits original research contributions addressing the accessibility, usability and acceptability of 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 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.