

**Springer**

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

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**Call for Papers**

**Special Issue**

***PERVASIVE TECHNOLOGIES AND ASSISTIVE ENVIRONMENTS: SOCIAL  
IMPACT, FINANCIAL, GOVERNMENT AND PRIVACY ISSUES***

**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.

**Aims and scope of this special issue**

As the diffusion of computing technology into everyday life continues at an exponential rate, technology becomes increasingly embedded in artifacts and environments. This change affects especially the domestic environment, or Oikos, as it was known in ancient Greece. People's living environment is particularly important when one takes into account the world's ageing population. As people grow older, they increasingly need to rely on technology. People have, however, differing levels of computer knowledge and assisted living needs. Aiming to investigate and address such differences, this UAIS special issue focuses on the key area of pervasive technologies for assistive environments that are non-intrusive and easy to use for the end user, and solicits the submission of original research findings.

**Main topics**

This special issue will focus on research work on the design, development, evaluation, and use of emerging pervasive technologies for assistive environments. Authors of submissions should carefully explain how the work and results presented contribute to facilitating and promoting universal access to pervasive computing.

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

- Tools, infrastructures, architectures and techniques for designing, implementing and deploying pervasive applications in assistive environments
- Social impact of the use of pervasive technologies on the user in pervasive assistive environments
- Usability and methodologies for assessing the utility, accessibility and user satisfaction of assistive environments

- Design and implementation of novel interaction devices and advanced multimodal interfaces for assistive applications
- Socially and ethically aware design of assistive applications and systems
- Ergonomics and human factors of assistive environments
- Financial and government issues
- Security and Privacy Aspects

### **Important dates**

Deadline for submission of papers: November 31, 2008

Notification of decision: February 28, 2009.

Deadline for the submission of modified papers (according to reviews): April 30, 2009

Final Decision: May 31, 2009

Deadline for submission of camera-ready version of accepted papers: June 30, 2009.

Expected publication date of the special issue: second half of 2009.

Authors should submit their manuscripts electronically as PDF files to the Guest Editors of the special issue: Lynne Baillie, Filia Makedon, Grammati Pantziou and Ilias Maglogiannis (e-mails: baillie@FTW.at; makedon@uta.edu; pantziou@teiath.gr; imaglo@aegean.gr).

### **Manuscript preparation**

Please, refer to the "Instructions to authors" section on the Website of the UAIS Journal.

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