



AHETA: Assistive Healthcare & Educational Technologies for special Target groups”

A PETRA Conference WORKSHOP JUNE 9-13, 2009 (www.petrae.org)

Workshop Chairs

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Keynote Speakers

TBA

Workshop Programme Committee

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Important Dates

Paper Submission Deadline:

March 6, 2009

Notification of Acceptance:

March 15, 2009

Camera-ready papers due:

April 3, 2009

Workshop theme and scope

Substantial advances made over the last few years push the application of new technologies in meeting the special needs of certain population groups like the elderly people, chronic patients and the physically or mentally disabled. In parallel to e-Health solutions and activities, the fields of Ambient-Assisted Living (AAL) and Educational Technology (ET) or Technology Enhanced Learning (TEL) have been developed in an effort to alleviate some of the every day life difficulties and to improve their life quality. Taking into consideration the increasing numbers of the aforementioned target populations in Europe and worldwide and their associated social and financial consequences, various national and international research efforts have focused on such assistive healthcare and educational technologies in an attempt to make an edge on this quickly arising and expanding market.

In an effort to stimulate innovation and competitiveness but also challenge the accelerated development of the envisaged sustainable, competitive, and inclusive information society, this workshop aims to merge different scientific fields and application domains under a common discussion umbrella, where domain experts and researchers, product developers, field practitioners, as well as, research students will be able to exchange and propose novel ideas, technologies, methodologies, pilot frameworks, and share success stories.

Topics of interest

Topics include but are not limited to:

- ICT for health, ageing and inclusion
- systems for the wider uptake and best use of inclusive ICT
- exploitation of digital content by citizens with special needs
- affective technologies for the elderly and the disabled
- daily activity monitoring and eHomes
- the application of smart devices in aging and health
- wireless, unobtrusive home-based health and wellness monitoring and measuring technologies
- healthcare privacy concerns
- biomedical devices for assisted living environments
- social, ethical, and legal implications of such monitoring
- behavioural studies and attitudes upon interaction with technology
- educational technologies for persons with autism spectrum disorders
- assistive technologies for Alzheimer's patients
- innovative home care and telemedicine solutions (emphasis on artificial kidney, artificial liver, implanted hearing aids)
- management of chronic pain in the elderly
- management of chronic diseases at the point of need
- management of communication disorders
- inclusive ICT standards development
- open architecture and web services solutions
- innovative knowledge sharing solutions and frameworks
- Living Labs for assistive technologies to support special target groups

Submission Information

Submissions should be in ACM style format and will be accepted as either full paper (8 pages) or short paper (4 pages). Authors should use the ACM Word or LaTeX style templates to prepare their articles. See: <http://www.acm.org/sigs/pubs/proceed/template.html>. Authors should apply ACM Computing Classification categories and terms.

Interested authors should submit their contribution through the PETRA conference site by following the AHETA workshop page.

Accepted papers will be presented at the workshop and published in the Proceedings of the Conference. ACM will be the publisher of the proceedings of the PETRA Conference and the Conference Proceedings will be a volume in the ACM International Conference Proceedings Series in the ACM Digital Library. Selected papers will be invited to expand their work and submit for a possible publication in special issue of a Medline Indexed International Journal.