Theme issue: AAL for Mobility - Proposals for safety, fitness and inclusion

In conjunction with the International Workshop on Ambient Assisted Living (IWAAL) and the International Symposium on Ubiquitous Computing and Ambient Intelligence (UCAmI).

http://mami.uclm.es/iwaal2011/

http://mami.uclm.es/ucami2011/

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Europe's population is ageing rapidly: between 2010 and 2030, the number of people aged from 65 to 80 will rise by nearly 40%, posing enormous challenges to Europe's society and economy. Information and communication technologies (ICT) can help. The new Joint research programme approved on June 23rd, as part of the EUs action plan on "Ageing Well in the Information Society" will develop new ICT solutions which can help improve the quality of life for elder people while creating strong opportunities for European industries working in the ICT sector.

Ambient Assisted Living (AAL) fosters the provision of equipment and services for the independent or more autonomous living of elderly people, via the seamless integration of info-communication technologies within homes and residences, thus increasing their quality of life and autonomy and reducing the need for being institutionalized or aiding it when it happens (Ambient Assisted Living Joint Programme).

Mobility is one of the aspects heavily severed in the daily life of the elderly. Elderly people have to endure serious restrictions in their mobility possibilities, due to both physical and cognitive impairments. AAL can help to improve their quality of life by softening these restrictions. We will also invite best papers from the “V International Symposium on Ubiquitous Computing and Ambient Intelligence (UCAmI’11)”, and the “III International Workshop on Ambient Assisted Living (IWAAL 2011)”.

Contributions may focus on:

- Smart sensors and wireless sensor networks
- Ambient Intelligence for AAL
- Smart homes & Intelligent Residences for AAL
- Identification and Sensing Technologies
- Applications for health and tele-mobile-health
- Applications for chronic diseases
- Rehabilitation
- Physical Activity Recognition
- Fall Detection and Prevention
- Diet & Exercise Controls
- Diabetes, Obesity, Alzheimer and AAL
- Mobile-Tele-monitoring and devices in AAL * Multi-modal Interaction Techniques and Devices
- Digital Television Services for AAL
- Artificial Intelligence for learning and reactive AAL

- Rule-based systems in AAL
- Context Awareness in Assistive Environments
- Social Robotics

Authors should follow the Personal and Ubiquitous Computing format at
http://www.springer.com/computer/hci/journal/779.

Prospective authors should submit a pdf version of their complete manuscript to the Guest Editors of the theme issue: **jose.bravo@uclm.es**

Important dates
Paper submission: **September 1, 2011**
Notification of acceptance: **December 1, 2011**
Camera ready: **January 15, 2012**

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