Background & goals

The paradigm of Ubiquitous Computing as originally envisioned by Weiser in 1991, has recently evolved into a more general paradigm referred to as Ambient Intelligence (AmI). AmI represents a new generation of user-centred computing environments which aim to find new and innovative ways to obtain an improved level of integration of information technology into everyday life, devices and user activities. AmI environments relate to the integration of several autonomous computational devices ranging from consumer electronics to mobile phones. Ideally, those within an AmI environment will not be aware of these devices, however, they will benefit from the services which they provide. Devices embedded within the environment are aware of the people present and subsequently react to their gestures, actions and context. Recently, the interest in AmI has grown considerably due to new challenges posed by society, demanding highly innovative services such as vehicular ad hoc networks (VANET), Ambiant Assisted Living (AAL), e-Health, Internet of Things and Home Automation.

The main focus of this edition of the UCAmI Conference will be "Ubiquitous Computing & Ambient Intelligence: Personalisation and user adapted services". Meanwhile, the edition of the IWAAL Conference will be focused on "Ambient Assisted Living and Daily Activities".

General Topics

UCAmI

- Human Interaction in Ambient Intelligence.
- ICT instrumentation and Middleware support for Smart Environments and Objects.
- Adding intelligence for Environment Adaptation.
- Key application domains for Ambient Intelligence.
- Human Interaction in Ambient Intelligence.

IWAAL

- Human-Computer Interaction in AAL environments.
- Platforms for the delivery of AAL.
- Sensing and Monitoring solutions within AAL.
- Case studies of AAL in Application Environments.
- m-Health applications

Important Dates

Extended paper submission: June 15, 2014
Notification of acceptance: August 18, 2014
Camera-ready version: September 19, 2014

Selected papers will be published in the following journals:

- Sensors Journal (IF = 1.953)
- Journal of Medical Systems (IF = 1.938)
- Journal of Medical Informatics and Decision Making (IF = 1.6)
- International Journal of Computers and Technology

Types of submissions

Long papers: Intended to allow presentation of academic research results of high quality. Submissions must contain an original contribution and may not have already been published in another forum, nor be subject to review for other conferences or publications. Contributions should include unpublished results of research, case studies or experiences that provide new evidence about the research or application regarding to the main topics. Articles accepted in this category will be published in the proceedings of the event. Long papers must not exceed 8 pages (including figures and appendices).

Short papers: Intended to allow presentation of ongoing studies with partial (however, significant) results. Submissions must contain an original contribution and may not have already been published in another forum, nor be subject to review for other conferences or publications. Articles accepted in this category will be published in the proceedings of the event. Short papers must not exceed 4 pages (including figures and appendices). All papers should be written in English.

Workshops

Workshop on Ambient Intelligence for Urban Areas – AmIUA
Workshop on IoT Everywhere: Towards smart objects everywhere - IoT
Workshop on User and Ambient Adaptive Gerontechnologies – WAGER
Workshop on End-user Service Provision for Ambient Intelligence – EUSPAI
Workshop on Video Soft Sensing - VSS

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