AmI 12

International Joint Conference on Ambient Intelligence

The **AmI-12** conference brings together researchers and practitioners from industry and academia working in the field of technologies and applications of Ambient Intelligence. Ambient Intelligence represents a vision of the future where we shall be surrounded by invisible technological means, sensitive and responsive to people and their behaviors, deliver advanced functions, services and experiences. Ambient Intelligence combines concepts of ubiquitous technology, intelligent systems and advanced user interfaces putting the humans in the center of technological developments.

Authors are invited to submit manuscripts of original unpublished work in all areas related to Ambient Intelligence. Contributions are solicited from, but not limited to the following topics:

General Chairs:
Fabio Paternò (CNR-ISTI, Italy)
Boris de Ruyter (Philips Research Europe, The Netherlands)

Full Papers:
Panos Markopoulos (Eindhoven Univ. of Tech., The Netherlands)
Carmen Santoro (CNR-ISTI, Italy)

Short Papers & Late Breaking results:
Evert van Loenen (Philips Research Europe, The Netherlands)
Kris Luyten (Hasselt University, ECDM, Belgium)

Landscapes:
Adrian David Cheok (Mixed Reality Lab, Nat. Univ. of Singapore)

Workshops:
Gerrit Meixner (DFKI, Germany)
Ben Schouten (Eindhoven Univ. of Tech., The Netherlands)

Posters & Demos:
Giuseppe Ghiani (CNR-ISTI, Italy)
Giulio Mori (CNR-ISTI, Italy)

Doctoral Consortium:
Manfred Tscheligi (University of Salzburg, Austria)
Volker Wulf (University of Siegen & Fraunhofer-FIT, Germany)

* objects, devices and environments that embody ambient intelligence
* context models and context factors
* sensing and reasoning technology
* natural and multimodal interaction styles and user interfaces
* advanced interface artifacts
* end User Development for Ubiquitous Environments
* adaptation in Ambient Intelligence
* multi-device Interaction
* security, privacy and trust
* ambient intelligence services
* business model and business cases
* knowledge-based systems, computational intelligence
* autonomic systems, multi-agent architectures and systems
* adaptive architectures, symbiotic systems
* industrial and commercial applications of ambient intelligence
* configuration and control of ambient environments by end-users
* user experience and user experience factors (e.g., acceptance)
* ambient intelligence for special target groups
* ambient intelligence applications (e.g., assisted living, future shopping)
* artifacts in ambient intelligence environments (e.g., robots)
* large scale ambient contexts (e.g., intelligent buildings, urban public
* spaces, smart cities)
* social media applications in ambient environments
* societal implications of ambient intelligence
* distributed software, systems, middleware and frameworks
* reflections on the current state and future of ambient intelligence

Submissions

Authors are invited to submit their contributions electronically via the conference website: http://www.ami-12.org