

Call for Papers

Symposium on Affective Smart Environments

<http://www.di.uniba.it/intint/ase07.html>

AISB Convention,
April 2007
Newcastle University, Newcastle upon Tyne, UK

Ambient Intelligence (Aml) is an emerging and popular research field with the goal to create "smart" environments that react in an attentive, adaptive and proactive way to the presence and activities of humans, in order to provide the services that inhabitants of these environments request or are presumed to need.

Aml is increasingly affecting our everyday lives: computers are already embedded in numerous everyday objects like TV sets, kitchen appliances, or central heating, and soon they will be networked, with each other as well as with personal ICT devices like organizers or cell phones. Communication with ambient computing resources will be ubiquitous, bio-sensing will allow devices to perceive the presence and state of users and to understand their needs and goals in order to improve their general living conditions and actual well-being.

According to the 'Computers As Social Actors' paradigm, interaction with technology is driven by rules that derive from social psychology. These aspects become even more relevant when media are not boxed in a desktop computer but are integrated pervasively in everyday life environments. An Affective Smart Environment should be able to grasp these factors and adapt its behavior accordingly. Imagining and designing this kind of environment requires combining knowledge and methods of ubiquitous and pervasive computing with those of affective and social computing. And as yet there exists little in the way of coherent models of interaction on which to base our design approaches to such environments.

This symposium is an interdisciplinary meeting focused on methods and techniques for integrating affective and social factors in ambient intelligence. In particular, we will solicit original papers dealing with (but not limited to) the following topics of interest:

- non invasive methods for sensing, recognizing and modeling the emotional state of users in 'natural', everyday situations;
- methods and models for profiling emotion information;
- methods for building the inhabitants' group profiles from their individual models;
- methods for learning long-term features, from tracing of interaction histories;
- methods for inferring how to adapt the environment to the recognized situation;
- methods for enforcing the sense of trust in the environment;
- theoretical approaches to the design of ambiently intelligent interaction.

The symposium will also welcome applications to the smart environment of methods and tools which were originally thought for other domains, but may highly enhance the ambient intelligence; for instance:

- Affective Conversational Agents;
- Social Robots;
- Natural language and speech-based dialog simulators.

Submissions Details

We welcome and encourage submissions of original papers. Papers should be written in English, formatted according to ECAI style which can be obtained from

<http://ecai2006.itc.it/cda/images/ecai2006.pdf>

<http://ecai2006.itc.it/cda/images/ecai2006.zip>.

Papers should not exceed 8 pages including figures, references, etc. and should be sent to ase07@di.uniba.it.

For any information please do not hesitate to contact us using the same email address.

Proceedings

Proceedings will have an ISBN and will be available at the symposium.

Important Dates

Paper submission deadline: 08 January 2007
Notification of acceptance: 05 February 2007
Camera ready copy due: 23 February 2007
Symposium date: April 2007 (see AISB'07 web site)

Organizers:

Berardina Nadja De Carolis University of Bari - Italy
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Home page of Affective Smart Environment Symposium: <http://www.di.uniba.it/intint/ase07.html>