



## Affect and Behaviour Related Assistance in Support for the Elderly – Second International Workshop

Workshop in the frame of the  
3rd International Conference on Pervasive Technologies Related to  
Assistive Environments – PETRA  
23-25 June 2010, Samos, Greece

[http://image.ntua.gr/  
events/abra2010/](http://image.ntua.gr/events/abra2010/)

[www.petrae.org/](http://www.petrae.org/)

### Workshop Chairs

**Christian Peter**  
*Fraunhofer IGD Rostock,  
Germany and  
Technical University Graz,  
Austria*  
[cpeter@igd-r.fraunhofer.de](mailto:cpeter@igd-r.fraunhofer.de)

**Kostas Karpouzis**  
*ICCS/NTUA Athens,  
Greece*  
[kkarpou@cs.ntua.gr](mailto:kkarpou@cs.ntua.gr)

**Gerald Bieber**  
*Fraunhofer IGD Rostock,  
Germany*

### Workshop Theme

The second workshop of this kind will continue the interesting debate of ideas and solutions for supporting elderly people in their daily environment with technologies respecting and taking into account cognitive, emotional, and behavioural aspects of the person.

The need for inclusiveness and independent self-managed life in the home environment requires novel techniques for detecting situations in which assistance or attention is needed, as well as for the assistance itself. Technologically, it requires specific interaction methods, suitable presentation of information, adequate sensing techniques and appropriately communicative and assistive devices.

This workshop wants to provide a platform for researchers and product developers alike to exchange and propose new ideas, discuss novel technologies and approaches, and not least to show latest developments and project results.

### Call for Papers

We particularly solicit contributions on the following subjects:

- ❖ non-obtrusive activity monitoring
- ❖ non-obtrusive observation of persons in their home environment for affect-related signs
- ❖ detection of cognitive states
- ❖ mobile sensing of affect-related parameters
- ❖ multi-modal analysis of affective, cognitive, and behavioral data
- ❖ mobile assistance in daily activities, for health care and therapeutic support
- ❖ assistive robots in the home and health context
- ❖ affective human-technology interaction
- ❖ novel interaction methods tailored to the elderly
- ❖ studies on elderly and their attitudes to and interaction with technology

### Submission

Submissions should be in ACM style format and will be accepted as either full paper (8 pages) or short paper (4 pages). For Latex and MS Word templates please go to <http://www.acm.org/sigs/pubs/proceed/template.html>

Please refer also to the conference web site for latest announcements.

Submissions are to be done through **the workshop's submissions page:**

<http://www.petrae.org/abrasubmission.html>

For any questions please contact the workshop chairs.

### Important Dates

**Paper Submission Deadline:** 01 March, 2010  
**Paper Acceptance Notification:** 10 March, 2010  
**Camera Ready Paper Deadline:** 15 April, 2010  
**Workshop:** 1 day of 23-25 June 2010, t.b.a.

### Proceedings Information

Accepted papers will be presented at the workshop and published in the Proceedings of the PETRA 2010 Conference. ACM will be the publisher of these proceedings, which will be a volume in the ACM International Conference Proceedings Series in the ACM Digital Library.

**Selected papers will be invited for a special issue of Springer's Journal on Multimodal User Interfaces.**