

Call for Contributions

Behaviour Tracking for Adaptive Assistive Environments

– BeTAA –

Automatic behaviour tracking is of particular importance for supporting elderly or mentally impaired persons. Since these persons often aren't willing or able to talk about their daily activities or to actively keep track of those, it is important to develop assistive technologies that do this for them, that can provide this information to medical staff, carers, family members and other stakeholders as appropriate, and that can act upon this information in an adaptive way.

This workshop aims to bring together researchers and practitioners who work on behaviour tracking at either the sensor, algorithmic, or application level.

We solicit contributions to the following topics:

Technologies for

- Location tracking
- Gesture and motion tracking
- Sensing of affect, emotion, cognitive state

Analysis for

- inferring behaviour from multimodal data
- Sensor fusion
- Feature extraction
- Data analysis

Applications for

- Behaviour based assistance
- Behaviour based environment adaptation
- Inclusion of carers and other socially important persons

... particularly in the context of support for elderly or mentally impaired people.

Contributions

We solicit position papers of up to 8 pages (ACM format) describing ongoing work, project results, visions, or concerns (technological, ethical, societal). Accepted contributions will be included in the conference proceedings.

For details on submitting your paper please check the workshop's web page via <http://www.petrae.org/workshop.htm>, the BeTAA workshop tab.

Enquiries

For any enquiries please contact cpeter@igd-r.fraunhofer.de and gerald.bieber@igd-r.fraunhofer.de

Dates

Paper submission: March 30, 2008
Notification of acceptance: April 30, 2008
Camera ready papers due: May 20, 2008

Committee

Organizers

Christian Peter, Fraunhofer IGD Rostock, Germany
Gerald Bieber, Fraunhofer IGD Rostock, Germany
John Waterworth, Umea University, Umea, Sweden

Committee

George Demiris, University of Washington, USA
Hartmut Strese, VDI/VDE - IT GmbH, Germany
Stephen McKenna, University of Dundee, UK
Maja Pantic, Imperial College London, UK
Thomas Kirste, Rostock University, Germany
Elizabeth Crane, University of Michigan, USA