

Call for Participation

HCI and the Face

Introduction

The human face plays an important role in many aspects of verbal and non-verbal communication. As such, the face is a rich source of information relevant to human-computer interaction. The fields of eye gaze tracking and face recognition have both reached sufficient maturity that several companies now offer commercial products based on these technologies. By contrast, other aspects of facial information processing, including expression and gesture recognition have yet to reach a comparable stage of development. This workshop will consist of a general assessment of the state of the art of facial information processing in HCI. By examining a broad range of topics in HCI related to this theme we will attempt to understand why certain areas of face-based HCI, such as facial expression processing and robotic facial display, have lagged others, such as gaze tracking, and identity recognition. The goal is to collectively arrive at a set of research strategies to bring the more slowly developing areas up to speed.

An extended list of possible topics will be made available at the workshop's web site. Briefly:

- Innovative methods for controlling robotic faces
- Expression and gesture measurement and tracking tools
- The role of context in processing facial information
- Multimodality: combining facial information with affective data such as EMG and galvanic response
- Theory and research paradigms
- Key privacy, trust, and security issues for face processing applications
- Face technology for the disabled
- Face technology for entertainment computing and games
- Funding, publication and exchange of research

Format

The workshop will consist of a day long highly interactive format that will encourage group dialogue and knowledge transfer/sharing.

Submission Details

Submissions should consist of 2 - 4 page position statements in ACM format. Statements should be submitted as PDF files not exceeding 5 MB in size, and should be sent by e-mail to mlyons@atr.jp.

Important Dates

December 15th, 2005: Submission deadline

February 1st, 2006: Notification of acceptance

March 1st, 2006: Accepted papers published on workshop web site

April 22nd or 23rd, 2006: Workshop

Organizers

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Further information can be found at the workshop's website (<http://www.bartneck.de/workshop/chi2006>).