



Association for
Computing Machinery



THE UNIVERSITY of EDINBURGH
informatics



FAA 2010 programme

The ACM/SSPNET 2nd International Symposium on Facial Analysis and Animation

Informatics Forum, University of Edinburgh
October 21, 2010

www.cstr.ed.ac.uk/faa

Chairs: Darren Cosker (Uni. of Bath), Gregor Hofer (Uni. of Edinburgh),
Michael Berger (Uni. of Edinburgh), William Smith (Uni. of York)

8.30 Registration and Coffee

Session 1

9.15 Welcome and Introduction

9.30 *Invited Talk:* TBA

Catherine Pelachaud (CNRS, LTCI, TELECOM ParisTech, France)

10.15 FACSGen 2.0: Facial Expression Animation Based on FACS

Eva Krumhuber (Uni. Geneva), Lucas Tamarit (Uni. Geneva), Etienne Roesch (Uni. Reading), Klaus Scherer (Uni. Geneva)

10.40 Synthesizing Head and Facial Movement Disorders on Android Robots

Laurel D. Riek and Peter Robinson (Uni. Cambridge)

11.00 Coffee

Session 2

11.20 Performance-Driven Facial Animation in Industry

Steven Caulkin (Cubic Motion, Daresbury, UK)

11.45 Behaviour Transfer Between Expressive Talking Heads

Andrew Aubrey, David Marshall, Paul Rosin (Cardiff Uni.)

12.10 Decoding Emotions from Facial Animations

Shazia Afzal (Uni. Cambridge), Tevfik Metin Sezgin (Koç University), Peter Robinson (Uni. Cambridge)

12.30 Lunch

1:00 Posters and Industry Demos

Session 3

2.20 *Invited Talk:* TBA

Bernd Bickel (Disney Research, ETH Zürich, Switzerland)

3.05 Towards Building a 4D Morphable Face Model

Martin Breidt, Heinrich H. Bühlhoff, Cristóbal Curio (MPI)

3.30 A FACS Validated 3D Human Facial Model

Darren Cosker (Uni. Bath), Eva Krumhuber (Uni. Geneva), Adrian Hilton (Uni Surrey)

3.50 Coffee

Session 4

4.10 **Facial Animation for Real-Time Conversing Groups**

Rachel McDonnell (Trinity College Dublin)

4.35 **A Talking Head for Speech Tutoring**

Priya Dey, Steve Maddock, Rod Nicolson (Uni. Sheffield)

5.00 **Photorealistic 2D Audiovisual Text-to-Speech Synthesis using Active Appearance Models**

Wesley Mattheyses and Werner Verhelst (Vrije Universiteit Brussel)

Posters

A Practice-Led Approach to Facial Animation Research

Robin J.S. Sloan, Brian Robinson, Ken Scott-Brown, Fhionna Moore, Malcome Cook (Uni. Abertay Dundee)

Function over Form: An Identity-Free Dynamic Facial Avatar

Harry J. Griffin, Peter W. McOwan, Alan Johnston (UCL; Queen Mary, Uni. London)

Expressive Audiovisual SMS Reading

Alex Garcia Gonçalves, José Mario De Martino (Uni. Campinas)

Face Tracking and Head Pose Estimation using Convolutional Neural Networks

Stylianios Asteriadis, Kostas Karpouzis, Stefanos Kollias (Nat'l Technical Uni. of Athens)

Compact 2D Facial Animation Based on Context-Dependent Visemes

Paula Dornhofer Paro Costa, José Mario De Martino (Uni. Campinas)

Analysis of Colour Space Transforms for Person Independent AAMs

Tadas Baltrusaitis, Peter Robinson (Uni. Cambridge)

Comparison of Techniques for Audio Driven Facial Animation

Benjamin Havell, David Marshall, Yulia Hicks, Paul Rosin, Saeid Sanei, Andrew Aubrey (Cardiff Uni.)

Comparing Feature-based Metrics for Facial Dynamics Analysis

Andrew J. Aubrey, Gary K.L. Tam, David Marshall, Paul L. Rosin (Cardiff Uni.), Hui Fang, Phil W. Grant, Min Chen (Swansea Uni.)

Perception of Gaze Direction in 2D and 3D Facial Projections

Jonas Beskow and Samer Al Moubayed (KTH)

Perception of Nonverbal Gestures of Prominence in Visual Speech Animation

Samer Al Moubayed and Jonas Beskow (KTH)

Character Animation from Audio: Speech Articulation and Beyond

Sasha Fagel (zoobe message entertainment GmbH)

Industry Demos

Dimensional Imaging (Glasgow, UK)

4D capture technology

Cereproc (Edinburgh, UK)

Characterful speech synthesis with embodied conversational agents