



**HCSNet Workshop on the Use of Vision in HCI
VisHCI 2006**

Australian National University, Canberra, 1-3 November 2006

**In cooperation with RSISE, NICTA Canberra Research Lab and
Seeing Machines**

<http://users.rsise.anu.edu.au/~vishci/>

Program Schedule

All sessions are run in a single track fashion. All presentations are oral presentations of 30min (25min presentation + 5min question time).

Wednesday, 1 November 2006

12.30-1.30pm	<i>Arrival, registration and light lunch</i>
1.30-3.00pm	<i>Opening by Professor Terry Caelli (NICTA / ANU)</i>
Keynote	Vision in HCI: Embodiment, Multimodality and Information Capacity <i>David Powers (Flinders University)</i>
3.00-3.30pm	<i>Afternoon tea</i>
3.30-5.00pm	Vowel recognition of English and German language using Facial movement (SEMG) for Speech control based HCI <i>Sridhar Poosapadi Arjunan, Hans Weghorn, Dinesh Kant Kumar, Wai Chee Yau (RMIT)</i> Image-Based Multi-view Scene Analysis using 'Conexels' <i>Josep R. Casas, Jordi Salvador (UPC Barcelona)</i> Image Feature Evaluation for Contents-based Image Retrieval <i>Adam Kuffner, Antonio Robles-Kelly (ANU / NICTA)</i>
5.00-6.30pm	<i>Welcome Reception</i>

Thursday, 2 November 2006

9.30-10.30pm Keynote	Audio-Visual Technologies for Lecture and Meeting Analysis inside Smart Rooms <i>Gerassimos Potamianos (IBM TJ Watson Research Center)</i>
10.30-11.00pm	<i>Morning tea + Demo of faceLAB by Seeing Machines</i>
11.00-12.30pm Face	Observer Annotation of Affective Display and Evaluation of Expressivity: Face vs. Face-and-Body <i>Hatice Gunes, Massimo Piccardi (UTS)</i> Face Refinement through a Gradient Descent Alignment Approach <i>Simon Lucey, Iain Matthews (CMU Pittsburgh)</i> Learning Active Appearance Models from Image Sequences <i>Jason Saragih, Roland Goecke (ANU / NICTA)</i>
12.30-1.30pm	<i>Lunch + Demo of faceLAB by Seeing Machines + Demos by the SISIM and Smart Cars projects (VISTA, NICTA)</i>
1.30-3.00pm Keynote Hand	Fast and Accurate Active Appearance Models <i>Iain Matthews (CMU Pittsburgh)</i> Using Optical Flow for Step Size Initialisation in Hand Tracking by Stochastic Optimisation <i>Desmond Chik (ANU)</i>
3.00-3.30pm	<i>Afternoon tea + Demo of faceLAB by Seeing Machines</i>
3.30-5.00pm Hand Tracking	Hand Gestures for HCI using ICA of EMG <i>Ganesh Naik, Dinesh Kant Kumar, Vijay Pal Singh, Marimuthu Palaniswami (RMIT)</i> Nuisance Free Recognition of Hand Postures over a Tabletop Display <i>João Carreira, Paulo Peixoto (University of Coimbra)</i> Hand Gesture and Face Recognition via T-CombP2DHMMs <u>This paper had to be withdrawn.</u> <i>Nguyen Dang Binh, Nguyen Thi Thuy (Kyushu Institute of Technology / TU Graz)</i>
7.00pm	Chairman & Yip Restaurant <i>Workshop Dinner</i>

Friday, 3 November 2006

9.30-10.30pm Applications	Emotions in HCI - An Affective E-Learning System <i>Robin Kaiser, Karina Oertel (Fraunhofer Institute for Computer Graphics Rostock)</i> Video to the Rescue <i>Girija Chetty, Michael Wagner (University of Canberra)</i>
10.30-11.00pm	<i>Morning tea</i>
11.00-12.30pm AVSP	Patch-Based Representation of Visual Speech <i>Patrick Lucey, Sridha Sridharan (QUT)</i> Audio-Visual Speaker Verification using Continuous Fused HMMs <i>David Dean, Sridha Sridharan, Tim Wark (QUT)</i> Voiceless Speech Recognition using Dynamic Visual Speech Features <i>Wai Chee Yau, Dinesh Kant Kumar, Sridhar Poosapadi Arjunan (RMIT)</i>
12.30-1.30pm	<i>Lunch + Tour of Seeing Machines facilities with further demos</i>
1.30-3.00pm Keynote	Audio-Visual Speech Processing: Progress and Challenges <i>Gerasimos Potamianos (IBM TJ Watson Research Center)</i> <i>Closing Remarks</i>

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