



BeFIT 2011 – First International Workshop on Benchmarking Facial Image Analysis Technologies

13 November 2011, Barcelona, Spain

In conjunction with the 13th International Conference on Computer Vision (ICCV)

<http://face.cs.kit.edu/befit/workshop2011>



Workshop Program

- 8:45 – 9:00** **Opening – BeFIT Overview Presentation**
- 9:00 – 9:45** **Invited talk:** From Benchmarking to an Experimental Discipline
P. Jonathon Phillips (National Institute of Standards and Technology)
- 9:45 – 10:45** **Benchmarks, Challenges, Databases I**
- 9:45 – 10:05 A Face Biometric Benchmarking Review and Characterisation
Sandra Mau (NICTA), Farhad Dadgostar (NICTA), Abbas Bigdeli (NICTA), Brian Lovell (NICTA & UQ), Ian Cullinan (NICTA)
- 10:05 – 10:25 Evaluation of Face Recognition System in Heterogeneous Environments (Visible vs NIR)
Debaditya Goswami (University of Surrey), Chi ho Chan (University of Surrey), David Windridge (University of Surrey), Josef Kittler (University of Surrey)
- 10:25 – 10:45 Single- and Cross-Database Benchmarks for Gender Classification Under Unconstrained Settings
Pablo Dago-Casas (Gradiant), Daniel Gonzalez-Jimenez (Gradiant), Long Long Yu (Gradiant), José Luis Alba-Castro (Universidade de Vigo)
- 10:45 – 11:00** **Coffee break**
- 11:00 – 12:00** **Benchmarks, Challenges, Databases II**
- 11:00 – 11:20 Static Facial Expression in the Wild: Data, Evaluation Protocol and Benchmark
Abhinav Dhall (Australian National University), Roland Goecke (University of Canberra), Simon Lucey (CSIRO), Tom Gedeon (Australian National University)
- 11:20 – 11:40 Facial Landmarks in the Wild: A Large-scale, Real-world Database for Facial Landmark Localization
Martin Köstinger (Graz University of Technology), Paul Wohlhart (Graz University of Technology), Peter Roth (Graz University of Technology), Horst Bischof (Graz University of Technology)
- 11:40 – 12:00 VADANA: A Dense Dataset for Facial Image Analysis
Gowri Somanath (University of Delaware), Rohith MV (University of Delaware), Chandra Kambhamettu (University of Delaware)
- 12:00 – 13:00** **Benchmarks, Challenges, Databases III**
- 12:00 – 12:20 3D Twins and Expression Challenge
Vipin Vijayan (University of Notre Dame), Kevin Bowyer (University of Notre Dame), Patrick Flynn (University of Notre Dame)
- 12:20 – 12:40 High-Resolution Comprehensive 3-D Dynamic Database for Facial Articulation Analysis
Bogdan Matuszewski (University of Central Lancashire), Wei Quan (University of Central Lancashire), Lik-Kwan Shark (University of Central Lancashire)
- 12:40 – 13:00 UMB-DB: A Database of Partially Occluded 3D Faces
Alessandro Colombo (University of Milano-Bicocca), Claudio Cusano (University of Milano-Bicocca), Raimondo Schettini (University of Milano-Bicocca)
- 13:00 – 13:10** **Award Session**
- 13:10 – 14:30** **Lunch Break**

14:30 – 15:15 Invited talk: Facial Behaviour Analysis
Maja Pantic (Imperial College London)

15:15 – 16:35 Facial Expression Analysis

15:15 – 15:35 Criteria and Metrics for Thresholded AU Detection
Jeff Girard (University of Pittsburgh), Jeffrey Cohn (University of Pittsburgh)

15:35 – 15:55 Facial Action Unit Detection Using Kernel Partial Least Squares
Tobias Gehrig (Karlsruhe Institute for Technology), Hazim Ekenel (Karlsruhe Institute for Technology)

15:55 – 16:15 Manifold Based Sparse Representation for Robust Expression Recognition without Neutral Subtraction
Raymond Ptucha (Rochester Institute of Technology), Andreas Savakis (Rochester Institute of Technology), Grigorios Tsagkatakis (Rochester Institute of Technology)

16:15 – 16:35 High Quality Facial Expression Recognition in Video Streams Using Shape Related Information Only
Laszlo Jeni (University of Tokyo), Daniel Takacs (), Andras Lorincz (Eotvos Lorand University)

16:35 – 16:50 Coffee break

16:50 – 17:30 Face Processing

16:50 – 17:10 Face Detection Using SURF Cascade
Jianguo Li (Intel Labs), Tao Wang (Intel Labs), Yimin Zhang (Intel Labs)

17:10 – 17:30 Object Representation Based on Gabor Wave Vector Bining: An Application to Human Head Pose Detection
Mohamed Dahmane (Diro University of Montreal)