



What's in a Face?

<https://sites.google.com/site/wiaf2012/>

Workshop to be held in conjunction with ECCV 2012 12th October 2012

The topic of *human facial analysis* has engaged researchers in multiple fields including computer vision, biometrics, forensics, cognitive psychology and medicine. Interest in this topic has been fueled by scientific advances that suggest insight into a person's identity, intent, attitude as well as health solely based on their face images.

The "What's in a Face?" workshop aims to provide a forum for interdisciplinary exchange on the topic of human face. The interdisciplinary aspect will promote a lively exchange of ideas between researchers in computer vision, biometrics, cognitive psychology and forensics. This exchange will be facilitated by invited talks from leading researchers in these disciplines. Additionally, a panel session will be conducted to bring to the fore new perspectives and promote active collaboration between these disciplines.

Computer vision sees the human face as a natural object and aims to perform the tasks of detection, tracking, coding and matching from images and videos.

The task of facial recognition, for the purpose of establishing human identity, is the central focus in **biometrics**, where face images have also been used to deduce soft biometric attributes such as an individual's age, gender and ethnicity.

In **forensics**, local facial features such as moles, scars, tattoos and wrinkles have been used to validate identity in one-to-one matching cases involving photos.

In **cognitive vision** and **social psychology**, videos and images of faces have been analyzed to infer an individual's emotional state or to detect interpersonal deception.

The above observations lead to the tantalizing question: "What's in a Face?"

Call for Papers

We invite high quality, original contributions on the following topics:

- Novel 2D and 4D face recognition algorithms
- Neuropsychology of face recognition in humans
- Face understanding in social/cognitive psychology
- Face behaviometrics
- Age, gender and race prediction from faces
- Emotion and deception detection from faces
- Familial relationships from face images
- Facial forensics based on scars, moles, tattoos
- Facial micro-expressions
- Detection of social intent from faces
- Recognition of attentional focus

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Paper submission deadline: June 26, 2012

Decision Notification: July 30, 2012

Final Papers due: August 5, 2012

Papers must be submitted online through the ECCV 2012 CMT submission system and will be peer-reviewed by the program committee.

Submissions should adhere to the main ECCV 2012 proceedings style, and have a maximum length of 10 pages. Papers accepted and presented at the workshop will be published in the ECCV 2012 conference proceedings.

Organizers

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