



Automatic Analysis of Facial Behaviour
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Abstract

Facial behaviour is our preeminent means to communicating affective and social signals. This talk summarises a number of aspects of human facial behavior and how they can be automatically sensed and analysed by computers. Past research in the field conducted by the iBUG group at Imperial College London and how far are we from enabling computers to sense and recognise human facial expressions and behaviour is discussed as well. More info on the work of iBUG group can be found at <http://ibug.doc.ic.ac.uk/home>. For databases and software solutions to various problems in the field of automatic facial expression analysis, see <http://ibug.doc.ic.ac.uk/resources>. More info on Maja Pantic can be found at <http://ibug.doc.ic.ac.uk/~maja/>

Keywords

Automatic facial expression analysis, facial landmark detection, automatic AU detection, automatic valence and arousal prediction from facial cues