

OPEN-EmoRec-II-A Multimodal Corpus of Human-Computer Interaction

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Abstract : OPEN-EmoRecII is an open multimodal corpus with experimentally induced emotions. In the first half of the experiment, emotions were induced with standardized picture material and in the second half during a human-computer interaction (HCI), realized with a wizard-of-oz design. The induced emotions are based on the dimensional theory of emotions (valence, arousal and dominance). These emotional sequences - recorded with multimodal data (mimic reactions, speech, audio and physiological reactions) during a naturalistic-like HCI-environment one can improve classification methods on a multimodal level. This database is the result of an HCI-experiment, for which 30 subjects in total agreed to a publication of their data including the video material for research purposes. The now available open corpus contains sensory signal of: video, audio, physiology (SCL, respiration, BVP, EMG Corrugator supercilii, EMG Zygomaticus Major) and mimic annotations.

Keywords : open multimodal emotion corpus, annotated labels, intelligent interaction

Conference Title : ICACII 2015 : International Conference on Affective Computing and Intelligent Interaction

Conference Location : Paris, France

Conference Dates : May 18-19, 2015