

AVEC 2011

1st International Audio/Visual Emotion Challenge and Workshop

bridging between modalities

in conjunction with **ACII 2011**, October 9, Memphis, Tennessee, USA

Organisers

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Social Signal Processing Network

humaine
emotion-research.net

Scope

The *Audio/Visual Emotion Challenge and Workshop (AVEC 2011)* will be the first competition event aimed at comparison of automatic audio, visual *and* audiovisual emotion analysis. The goal of the challenge is to provide a common benchmark test set for individual multimodal information processing and to bring together the audio and video emotion recognition communities, to compare the relative merits of the two approaches to emotion recognition under well-defined and strictly comparable conditions and establish to what extent fusion of the approaches is possible and beneficial. A second motivation is the need to advance emotion recognition systems to be able to deal with naturalistic behavior in large volumes of unsegmented, non-prototypical and non-preselected data as this is exactly the type of data that both multimedia retrieval and human-machine/human-robot communication interfaces have to face in the real world.

We are calling for teams to participate in three emotion detection sub-challenges: emotion detection from audio, from video, or from audiovisual information. As benchmarking database the SEMAINE database of naturalistic dialogues will be used. Emotion will have to be recognized in terms of positive/negative valence, and high and low arousal, expectancy and power.

Besides participation in the Challenge we are calling for papers addressing the overall topics of this workshop, in particular works that address the differences between audio and video processing of emotive data, and the issues concerning combined audio-visual emotion recognition.

Please regularly visit our website <http://sspnet.eu/avec2011> for more information.

Program Committee

Anton Batliner, FAU, Germany
Felix Burkhardt, Deutsche Telekom, Germany
Rama Chellappa, University of Maryland, USA
Mohamed Chetouani, Univ. Paris 6, France
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Peter Robinson, University of Cambridge, UK
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Jianhua Tao, Chinese Acad. of Sciences, China
Mohan Trivedi, UCSD, USA
Matthew Turk, University of California, USA
Alessandro Vinciarelli, Univ. of Glasgow, UK
Stefanos Zafeiriou, Imperial College, UK

Important Dates

Paper submission
July 7, 2011

Notification of acceptance
July 16, 2011

*Camera ready paper and
Final result submission*
July 29, 2011

Workshop
October 9, 2011

Topics include, but are not limited to:

Participation in the Challenge

- Audio Sub-Challenge
- Video Sub-Challenge
- Audiovisual Sub-Challenge

Audio/Visual Emotion Recognition

- Audio-based Emotion Recognition
- Video-based Emotion Recognition
- Novel Fusion Techniques
- Prediction as Fusion
- Cross-corpus Feature Relevance
- Agglomeration of Data
- Semi-supervised Learning
- Synthesized Training Material

Application

- Multimedia Coding and Retrieval
- Usability of Audio/Visual Emotion Recognition
- Real-time Issues

Submission Policy

In submitting a manuscript to this workshop, the authors acknowledge that no paper substantially similar in content has been submitted to another conference or workshop.

Manuscripts should follow the Springer LNCS paper format. Authors should submit papers as a PDF file via:
<http://www.easychair.org/conferences/?conf=acii20110>

Papers accepted for the workshop will be allocated 10 pages in the proceedings of ACII 2011.

AVEC 2011 reviewing is double blind. Reviewing will be by members of the program committee. Each paper will receive at least two reviews. Acceptance will be based on relevance to the workshop, novelty, and technical quality.