AV+EC

The 5th Audio/Visual+ Emotion Challenge and Workshop

@ ACM Multimedia 2015, 26 Oct, Brisbane / Australia

2015

Organisers

Fabien Ringeval
TUM, Germany
fabien.ringeval@tum.de

Björn Schuller
ICL/U Passau,
UK/Germany
schuller@ieee.org

Michel Valstar
University of Nottingham, UK
michel.valstar@nottingham.ac.uk

Roddy Cowie
Queen's University Belfast, UK
r.cowie@qub.ac.uk

Maja Pantic
Imperial College London, UK
m.pantic@imperial.ac.uk

aaac
emotion-research.net

))) audEERING
intelligent Audio Engineering

iHEAR cccu

Important Dates

Challenge Opening
04 April 2015

Paper submission
15 July 2015

Notification of acceptance
7 August 2015

Camera ready paper
14 August 2015

Workshop
26 October 2015

Abstract

The Audio/Visual Emotion Challenge and Workshop (AV+EC 2015) *"Bridging Across Audio, Video, and Physio"* will be the fifth competition event aimed at comparison of multimedia processing and machine learning methods for automatic audio, visual and – for the first time also – physiological emotion analysis, with all participants competing under strictly the same conditions.

The goal of the Challenge is to provide a common benchmark test set for multimodal information processing and to bring together the audio, video and physiological emotion recognition communities, to compare the relative merits of the three 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 fully naturalistic behaviours in large volumes of un-segmented, non-prototypical and non-preselected data, as this is exactly the type of data that both multimedia and human-machine/human-robot communication interfaces have to face in the real world.

We are calling for teams to participate in a Challenge of fully-continuous emotion detection from audio, or video, or physiological data, or any combination of these three modalities. As benchmarking database the RECOLA multimodal corpus of remote and collaborative affective interactions will be used. Emotion will have to be recognized in terms of continuous time, continuous valued dimensional affect in two dimensions: arousal and valence.

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, video, and physiological processing of emotive data, and the issues concerning combined audio-visual-physiological emotion recognition.

Please visit our website for more information:
http://sspnet.eu/avec2015

Topics include, but are not limited to:

Participation in the challenge

Audio/Visual/Physiological Emotion Recognition
- Audio-based Emotion Recognition
- Video-based Emotion Recognition
- Physiology-based Emotion Recognition
- Synchrony of Non-Stationary Time Series
- Multi-task learning of Multiple Dimensions
- Weakly Supervised Learning
- Agglomeration of Learning Data
- Context in Emotion Recognition
- Multiple Rater Ambiguity and Asynchrony

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

Program Committee

Felix Burkhardt, Deutsche Telekom, Germany

Rama Chellappa, Univ. of Maryland, USA

Fang Chen, NICTA, Australia

Mohamed Chetouani, UPMC, France

Jeffrey Cohn, Univ. of Pittsburgh, USA

Laurence Devillers, Université Paris-Sud, France

Julien Epps, U. of New South Wales, Australia

Anna Esposito, University of Naples, Italy

Roland Goecke, University of Canberra, Australia

Jarek Krajewski, Univ. Wuppertal, Germany

Marc Méhu, Webster Vienna Private U., Austria

Louis-Philippe Morency, Carnegie Mellon U., USA

Stefan Scherer, Univ. of Southern California, USA

Richard Morriss, Univ. of Nottingham, UK

Stefan Steidl, U. Erlangen-Nuremberg, Germany

Jianhua Tao, Chinese Academy of Sciences, China

Matthew Turk, University of California, USA

Stefanos Zafeiriou, Imperial College London, UK

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 ACM MM 2015 paper format. Authors should submit papers as a PDF file.

Submission will be via easychair:
https://easychair.org/conferences/?conf=avec2015

Papers accepted for the workshop will be allocated 8 pages in the proceedings of ACM MM 2015.

AV+EC 2015 reviewing is double blind. Reviewing will be by members of the program committee. Each paper will receive at least three reviews. Acceptance will be based on relevance to the workshop, novelty, and technical quality.