Charter for the use of the GEMEP as a benchmarking dataset for automatic detection of facial action units and emotion

Preamble

The GEneva Multimodal Emotion Portrayals (GEMEP) is a collection of audio and video recordings featuring 10 actors portraying 18 affective states, with different verbal contents and different modes of expression. It was constituted in Geneva by Klaus Scherer and Tanja Bänziger, in the framework of a project funded by the Swiss National Science Foundation (FNRS 101411-100367) and with support of the European Network of Excellence "Humaine" (IST-2002-2.3.1.6 Multimodal Interfaces, Contract no. 507422). Rating studies and objective behavioral analyses are also currently funded by Project 2 and the Methods module of the Swiss Affective Science Center Grant (FNRS).

The following considerations pertain to all existing formats (i.e. original DV recordings, original audio and video files, extracted video files, extracted still pictures) and all future derived formats (new extractions, compressions, conversions, or in general any copies - with or without manipulations - of the original files). It also pertains to all rating or analysis data provided in the corpus data bank.

GEMEP (the complete audio and video material or parts of it) will be made available to specific researchers for research purpose only (commercial use is excluded) once a definitive version of the corpus has been established and the development work of the GEMEP group has been published.

Exception

There is one exception to the rule outlined above

− Access to a selected portion of the GEMEP, referred to as the GEMEP-FERA dataset, is given to researchers who wish to compare their system for automatic recognition of facial action units and emotion to other systems developed for the same purpose. Reference articles that mention the results of the first challenge (held at FG'11, Santa Barbara) are available in a special issue of SMC-B, vol. 42(4), and are available on the FERA2011 website (http://sspnet.eu/fera2011). The challenge is described in the following papers:

Valstar, M. F., Mehu M., Jiang B., Pantic M., & Scherer K. R. (2012). Meta-analysis of the first facial expression recognition challenge. *IEEE Transactions on Systems, Man, and Cybernetics – Part B: Cybernetics, 42(4)*, 966-979.

Valstar, M. F., Jiang, B., Mehu M., Pantic, M., Scherer, K. R. (2011). The First Facial Expression Recognition and Analysis Challenge, *IEEE Int'l. Conf. Face and Gesture Recognition (FG'11)*.

In this case, access will be given only if the following preliminary conditions are satisfied and the written agreement signed by the responsible researcher.

Conditions for using the GEMEP-FERA dataset

1) Researchers who wish to use the material must use it only for benchmarking purposes, that is, for testing the performance of a system of automatic recognition of facial action units and/or emotion. Researchers are bound to report a) the performance of their system to the test material provided by us and b) all stages of the procedure used to achieve this performance.

2) The selection of the portrayals and annotated data constituting the training and test sets is made by the organizers of the first Facial Expression Recognition and Analysis Challenge (FERA2011) and cannot be modified.

3) The registered researcher must have a stable academic affiliation (this excludes undergraduate and graduate students) and has the option to list three collaborators of the same research group beyond which the data cannot be shared. The registered researcher remains responsible for the correct use of the material.

4) In any publication (conference proceedings, journal article, book chapter, etc.) the authors will refer to the description of the GEMEP corpus provided in:

> Bänziger, T., Mortillaro, M., & Scherer, K.R. (2012). Introducing the Geneva Multimodal Expression corpus for experimental research on emotion perception. *Emotion, 12(5)*, 1161-1179.

> Bänziger, T., & Scherer, K. R. (2010). Introducing the Geneva Multimodal Emotion Portrayal (GEMEP) Corpus. In K. R. Scherer, T. Bänziger, & E. B. Roesch (Eds.), Blueprint for affective computing: A sourcebook (pp. 271-294). Oxford, England: Oxford University Press.

And to the description of the FERA2011 challenge and GEMEP-FERA dataset provided in:

> Valstar, M. F., Jiang, B., Mehu M., Pantic, M., Scherer, K. R. (2011). The First Facial Expression Recognition and Analysis Challenge, *IEEE Int'l. Conf. Face and Gesture Recognition (FG'11)*.

5) The registered researcher, or affiliated collaborators, can only use the images contained in the item "test_44" of the emotion sub-challenge for illustration purposes. Any other material of the GEMEP-FERA dataset can not be displayed in any form of public presentation (academic presentation, teaching, etc.).

Agreement

By signing this document, the person in charge explicitly agrees to the following conditions before receiving the material or parts of the material:

> (a) GEMEP-FERA dataset will be used only for benchmarking purposes, that is, for comparing results of a automatic detection system of facial action units and emotion to results of other systems achieved on the same dataset.

(b) No copies will be made of the GEMEP-FERA dataset (or of parts of it – including new extractions, formats/compressions or any manipulations of the pictures or sounds).
(c) The GEMEP-FERA dataset will not be distributed to parties that are not listed in this agreement (other colleagues who want to use the GEMEP-FERA dataset must register independently).
(d) The GEMEP-FERA dataset (or parts of it) will not be displayed, or made accessible in any way, in a public space (e.g. no examples can be shown on the Internet, no examples are to be included in conference talks, presentations or electronic proceedings, etc), exception made of images contained in the item "test_44" of the emotion sub-challenge.
(e) The GEMEP-FERA dataset is not to be used for teaching purpose (which is a form of public display), even if the students do not keep copies of the material.
(f) Once the project is completed and published, the Project Leaders will receive a copy of (1) the publication involving the GEMEP-FERA dataset, (2) the data collected or generated with this dataset.

Any use of the GEMEP-FERA dataset requires full acceptance of these conditions.

GEMEP-FERA Project Leaders:

Prof. Klaus R. Scherer, Dr Marc Méhu, Dr Marcello Mortillaro

NCCR in Affective Sciences
University of Geneva –Switzerland

Prof. Maja Pantic[1], Dr Michel Valstar[2]

[1]Department of Computing
Imperial College London – United Kingdom
[2]School of Computer Science
University of Nottingham – United Kingdom

Correspondence regarding this agreement should be sent to Klaus Scherer (Klaus.Scherer@unige.ch), Marc Méhu (Marc.Mehu@unige.ch), and Marcello Mortillaro (Marcello.Mortillaro@unige.ch).

I have read and accept the terms and conditions for the use of the GEMEP-FERA dataset stated above (name of the person registered to the challenge)

……………………………………………………

I am responsible for the correct use of the GEMEP-FERA dataset by the following associative researchers (name and first name)

……………………………….. ……………………………….. ………………………………..

Date and place   Signature

………………………………..   ………………………………..