

BioVid Heat Pain Database Agreement

By signing this document, I agree on the following terms of use. With “database”, we denote the BioVid Heat Pain Database, any part of it, or any manipulation of the data.

- (1) The database will be used for academic research only. Any commercial use is prohibited.
- (2) The database will not be distributed to parties that are not listed in this agreement. The same applies to the login data that you will receive to access the download area.
- (3) The database, especially the videos and images, will not be displayed, or made accessible in any way, in public space (also including internet, conference presentations and proceedings, or other media).
- (4) As the only exception to (3), some images may be used in scientific publications to illustrate research results, but this only applies to subjects who gave consent to have their data used for this purpose. The following subjects did **NOT** give that consent and **cannot** be used:

071709_w_23, 072609_w_23, 073114_m_25, 081009_w_26, 091909_w_46, 092014_m_56, 092808_m_51, 101014_w_43, 101216_m_40, 101809_m_59, 102309_m_61, 102316_w_50, 102615_w_36

Images of *other subjects* may be used for the above-mentioned purpose.

- (5) Each publication that reports on any usage of the database will cite at least one of the following papers, which describe the database in detail:

Philipp Werner, Ayoub Al-Hamadi, Robert Niese, Steffen Walter, Sascha Gruss, Harald C. Traue, “Towards Pain Monitoring: Facial Expression, Head Pose, a new Database, an Automatic System and Remaining Challenges”, Proc. British Machine Vision Conf., 2013.

Steffen Walter, Philipp Werner, Sascha Gruss, Harald C. Traue, Ayoub Al-Hamadi, et al., “The BioVid Heat Pain Database: Data for the Advancement and Systematic Validation of an Automated Pain Recognition System”, Proc. IEEE Int’l Conf. on Cybernetics, 2013.

- (6) Each publication that reports on any usage of the database will cite at least one of the following papers, which describe early studies with the database:

Philipp Werner, Ayoub Al-Hamadi, Robert Niese, Steffen Walter, Sascha Gruss, Harald C. Traue, “Automatic Pain Recognition from Video and Biomedical Signals”, Proc. Int’l Conf. on Pattern Recognition (ICPR), 2014.

Philipp Werner, Ayoub Al-Hamadi, Steffen Walter, Sascha Gruss, Harald C. Traue, “Automatic Heart Rate Estimation from Painful Faces”, Proc. Int’l Conf. on Image Processing (ICIP), 2014.

S. Walter, S. Gruss, K. Limbrecht-Ecklundt, H. C. Traue, P. Werner, A. Al-Hamadi, et al., “Automatic pain quantification using autonomic parameters”, Psychology and Neuroscience, 11/2014.

P. Werner, A. Al-Hamadi, K. Limbrecht-Ecklundt, S. Walter, S. Gruss, H. C. Traue, “Automatic Pain Assessment with Facial Activity Descriptors”, IEEE Transactions on Affective Computing 8(3), 2017.

P. Werner, A. Al-Hamadi, and S. Walter, “Analysis of Facial Expressiveness During Experimentally Induced Heat Pain”, Int’l Conf. on Affective Computing and Intelligent Interaction Workshops, 2017.

P. Werner, A. Al-Hamadi, K. Limbrecht-Ecklundt, S. Walter, H. C. Traue, “Head movements and postures as pain behavior”, PLOS ONE 13(2), 2018.

- (7) The database comes without any warranty. The universities of Magdeburg and Ulm are not responsible for any damage caused by the use of the database.
- (8) The database is available for research to broaden knowledge about pain, to improve pain assessment based on behavioral and biomedical response, or to advance basic methods that directly contribute to one of the other goals. Please describe how your planned research addresses at least one of these goals.

I, the signee, have a permanent position in an academic institute.

Name: _____

Affiliation: _____

Address: _____

E-Mail: _____

The following (up to three) additional researchers, which are affiliated to the same institute, will work with the database. I am responsible for the correct use of the dataset by these researchers.

Additional Researcher 1: _____

Additional Researcher 2: _____

Additional Researcher 3: _____

I have read and accept the terms of use stated above.

Date and Place

Signature