

The Hong Kong University of Science and Technology (Guangzhou) Dataset Release Agreement

rPPG for People in High Cognitive Workload Dataset (HCW)

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Introduction:

rPPG for People in High Cognitive Workload Dataset (HCW), comprising about 20 hours (2160K frames) of recordings from the in-front webcam of 41 subjects. The dataset was designed to capture videos with greater representation across people in real-world workspaces and abnormal psychological states. HCW is comprehensive with two physiological labels (BVP and RESP) in '.mat' format. Users can preprocess it following <https://github.com/WJULYW/HSRD>. The dataset is released with the publication 'PhysMLE: Generalizable and Priors-Inclusive Multi-task Remote Physiological Measurement'.

Release of the Database:

To advance the state-of-the-art in human recognition and healthcare, to the extent permitted by law, the HCW dataset will be made available to researchers on a case-by-case basis only. All requests for the HCW dataset must be submitted in writing to the Hong Kong University of Science and Technology (Guangzhou) by the researcher's institution on behalf of the individual researcher or research unit. To the extent permitted by law, to receive a copy of the HCW dataset, the researcher's institution or organization must sign this document and agree to observe the restrictions listed below. In addition to other possible remedies, failure to observe these restrictions may result in revocation of permission to use the data as well as denial of access to additional datasets distributed by the Hong Kong University of Science and Technology (Guangzhou). The dataset will be distributed over the Internet to licensees only. There will be no charge for data made available and downloaded via the Internet.

Consent:

The researcher(s) agrees to the following restrictions on the HCW dataset:

1. Redistribution:

Without prior approval from the Hong Kong University of Science and Technology (Guangzhou) Principal Investigator, the HCW dataset, in whole or in part, will not be further distributed, published, copied, or disseminated in any way or form whatsoever, whether for

profit or not. This includes further distributing, copying or disseminating to a different facility or organizational unit within the requesting university, organization, or company.

2. Protection of de-identification:

There shall be no attempt made to defeat the de-identification of the data provided.

3. Destruction:

Licensee agrees to destroy all unmodified copies of the dataset, or to destroy all copies of the dataset, if requested by the Hong Kong University of Science and Technology (Guangzhou) Principal Investigator.

4. Modification and Commercial Use:

Without prior approval, the HCW dataset, in whole or in part, may not be modified or used for commercial purposes. The license granted herein is specifically for the licensee named below and prohibits any commercial use. Licensee shall not duplicate or use the disclosed dataset, its contents, or any data, logo, mark, or phrase associated with or owned by the Hong Kong University of Science and Technology (Guangzhou) to manufacture, promote, or sell products or technologies (or portions thereof) either directly or indirectly for commercialization or any other direct for-profit purpose without the prior written permission of the Hong Kong University of Science and Technology (Guangzhou).

5. Publication Requirements:

Those seeking to include rendered images of more than 10 images from the HCW dataset in reports, papers, and other documents to be published or released must first obtain approval in writing from the Hong Kong University of Science and Technology (Guangzhou) Principal Investigator. In no case should the images be used in a way that could cause the original subject embarrassment or mental anguish.

6. Citation:

All documents and papers that report on research that uses the HCW dataset must acknowledge the use and process of the dataset by using the following citation or BibTex form:

Wang, J., Lu, H., Wang, A., Yang, X., Chen, Y., He, D., & Wu, K. (2025). Physmle: Generalizable and priors-inclusive multi-task remote physiological measurement. IEEE Transactions on Pattern Analysis and Machine Intelligence.

Wang, J., Lu, H., Wang, A., Chen, Y., & He, D. (2023). Hierarchical style-aware domain generalization for remote physiological measurement. IEEE Journal of Biomedical and Health Informatics, 28(3), 1635-1643.

Wang, J., Lu, H., Han, H., Chen, Y., He, D., & Wu, K. (2024). Generalizable Remote Physiological Measurement via Semantic-Sheltered Alignment and Plausible Style Randomization. *IEEE Transactions on Instrumentation and Measurement*.

7. Publications to The Hong Kong University of Science and Technology (Guangzhou):

A copy of reports and papers with related code that are for public or general release that use the HCW dataset must be forwarded immediately upon release or publication to the Hong Kong University of Science and Technology (Guangzhou) Principal Investigator.

8. Indemnification:

Researcher agrees to indemnify, defend, and hold harmless the Hong Kong University of Science and Technology (Guangzhou) and its officers, employees and agents, individually and collectively, from any and all losses, expenses, damages, demands and/or claims based upon any injury or damage (real or alleged) except to the extent permitted by law, when caused by the gross negligence or willful misconduct of the Hong Kong University of Science and Technology (Guangzhou), and shall pay all damages, claims, judgments or expenses resulting from Researcher's use of the HCW dataset, as determined by the court.

NAME OF INSTITUTION

PI SIGNATURE

DATE

ORGANIZATION ADDRESS

CONTACT INFORMATION

NAME OF RESEARCHER(s)

Submission Instructions:

Please scan and dispatch the completed agreement via your institutional email to jwanggo@connect.ust.hk and **cc** dengbohe@hkust-gz.edu.cn. The email should have the subject line: "HCW Access Request - your institution." In the email, outline your institution's past research and articulate the rationale for seeking access to the HCW, including its intended application in your specific research project.