University of Notre Dame Biometrics Database Release Agreement
UND WACV 2023 CYBORG Dataset
UND Principal Investigator: Dr. Adam Czajka

Introduction: Datasets that we have collected are meant to aid research efforts in the general area of developing, testing and evaluating human recognition algorithms. The goal of this research is to understand which type of information offered by Artificial Intelligence helps humans in distinguishing between real and synthetically generated face images. This dataset contains (a) images of live (authentic) faces, (b) images of faces synthetically generated by deep learning-based generative adversarial networks, and (c) regions annotated by humans solving the synthetic face detection task, indicating features supporting their decisions. The University of Notre Dame du Lac (henceforth, "UND") owns copyright of the collection of biometric images acquired at UND, and of the synthetic images generated by UND, and serves as the source for the UND WACV 2023 CYBORG Dataset.

UND WACV 2023 CYBORG Dataset contains modified samples from the Flickr-Faces-HQ (FFHQ), made available under Creative Commons BY-NC-SA 4.0 license by NVIDIA Corporation (https://github.com/NVlabs/ffhq-dataset/blob/master/LICENSE.txt). According to that license, one is allowed to redistribute and adapt FFHQ samples for non-commercial purposes, as long as one (a) gives appropriate credit by citing the FFHQ creator's paper, (b) indicate any changes that one made, and (c) distribute any derivative works under the same license. In response to these requirements, we: (a) cited the paper indicated at https://github.com/NVlabs/ffhq-dataset in the paper publishing the UND WACV 2023 CYBORG Dataset (listed below), (b) inform that the modifications made to the original FFHQ samples include cropping the image around the detected face and rescaling such cropped samples to the 224x224 pixel resolution, and (c) the derivative work is distributed as the AAAI 2023 paper (listed below in point 6). UND WACV 2023 CYBORG Dataset contains modified samples from the (https://creativecommons.org/licenses/by-nc/4.0/legalcode). According to the request of the licensor (https://github.com/tkarras/progressive_growing_of_gans), one is allowed to use any of the material in their own work, as long as appropriate credit is given to the creators by mentioning the title and author list of their paper: Tero Karras, Timo Aila, Samuli Laine, Jaakko Lehtinen, "Progressive Growing of GANs for Improved Quality, Stability, and Variation," ICLR 2018.

Release of the Database: To advance the state-of-the-art in human recognition, to the extent permitted by law, the UND WACV 2023 CYBORG Dataset de-identified (no personal identifiers associated with images) image dataset will be made available to researchers on a case-by-case basis only. All requests for the UND WACV 2023 CYBORG Dataset must be submitted in writing to the UND Principal Investigator **by the researcher's institution on behalf of the individual researcher or research unit** (henceforth the "Licensee"). To the extent permitted by law, to receive a copy of the UND WACV 2023 CYBORG Dataset, the requestor 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 databases distributed by UND. The database will be distributed over the Internet to licensees only. There will be no charge for data made available via the Internet.

Consent: The researcher(s) agrees to the following restrictions on the UND WACV 2023 CYBORG Dataset:

1. **Redistribution:** Without prior approval from the UND Principal Investigator, the UND WACV 2023 CYBORG 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 certain images in the database, or to destroy all copies of the database, if requested by the UND Principal Investigator.

4. **Modification and Commercial Use:** Without prior approval, the UND WACV 2023 CYBORG Dataset, in whole or in part, may not be modified or used for commercial purposes. The license granted herein is specifically for the internal research purposes of Licensee, and Licensee shall not duplicate or use the disclosed database, its contents, or any seal, logo, mark, or phrase associated with or owned by UND 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 UND.

5. **Publication Requirements:** Those seeking to include renderings of more than 10 images from the UND WACV 2023 CYBORG Dataset in reports, papers, and other documents to be published or released must first obtain approval in writing from the UND Principal Investigator. In no case should the face 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 UND WACV 2023 CYBORG Dataset must acknowledge the use of the database by including the following citation:
   Aidan Boyd, Patrick Tinsley, Kevin Bowyer and Adam Czajka, "CYBORG: Blending Human Saliency into the Loss Improves Deep Learning-Based Synthetic Face Detection," The IEEE/CVF Winter Conference on Applications of Computer Vision (WACV), Waikoloa, HI, USA, 2023, pp. 6097-6106, doi: 10.1109/WACV56688.2023.00605

7. **Publications to UND:** A copy of all reports and papers that are for public or general release that use the UND WACV 2023 CYBORG Dataset must be forwarded immediately upon release or publication to the UND Principal Investigator.

8. **Indemnification:** Research entity agrees to indemnify, defend, and hold harmless the University of Notre Dame du Lac and its Board of Trustees, officers, employees and agents, individually and collectively, from any and all losses, expenses, damages, demands and/or claims based upon any such injury or damage (real or alleged) except to the extent permitted by law, when caused by the gross negligence or willful misconduct of UND, and shall pay all damages, claims, judgments or expenses resulting from Research entity's use of the UND WACV 2023 CYBORG Dataset, as determined by the court.

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NAME (in capitals)   **SIGNATURE**   **DATE**

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ORGANIZATION AND ADDRESS (in capitals)

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(NAME OF RESEARCHER)

Please scan and email the executed agreement to cvrl@nd.edu.