**SCUT LFMB-3DFB Dataset**

**License Agreement, Version 7.5.2022**

**Introduction**

The Large-scale Finger Multi-Biometric database and benchmark for 3D Finger Biometrics (LFMB-3DFB) is publicly available to the research community. It is collected by Biometrics and Intelligent Perception Lab (BIP Lab), School of Automation Science and Engineering, South China University of Technology (SCUT). The SCUT LFMB-3DFB Dataset consists of segmented multi-spectral multi-view finger images captured by our imaging system, 3D holographic finger models at different resolutions (which are 3D mesh models of vertices with two sets of textures). 695 fingers are collected from volunteers of their index finger and middle finger of both right and left hands. Each finger was acquired 10 times and each time obtain 6 finger skin images and 6 finger vein images from different viewpoint. The 3D holographic finger model was reconstructed from segmented images captured from 6 views of the imaging system. To simulate the arbitrary rotation in realistic scenarios, the volunteers are asked to rotate their fingers within ±80 degrees. And there are 83,400 images and 6,950 3D holographic finger models at different resolutions. In addition, for subsequent studies to compare recognition algorithms in the same setting, **please strictly follow the evaluation protocols in the benchmark (see Section BENCHMARK EVALUATION in the paper for details)**, Here we provide the record files for the division of the training set, validation set, and testing set, as well as the inter- and intra-class pairs files for the validation and testing sets.

**Consent**

Researchers requesting the SCUT LFMB-3DFB Dataset agree to the following restrictions on the dataset:

1. **Redistribution**:

Without prior approval from BIP Lab, the SCUT LFMB-3DFB Dataset, either entirely or partly, should not be further distributed, published, copied, or disseminated in any way or form, no matter for profitable use or not, including further distribution to a different department or organization in the same system.

1. **Modification:**

Without prior approval from BIP Lab, SCUT LFMB-3DFB, either entirely or partly, is not allowed to be modified.

1. **Commercial Use:**

Without prior approval from BIP Lab, SCUT LFMB-3DFB, either entirely or partly, is not allowed for commercial use, including but not limited to:

⯎Proving the efficiency of commercial systems;  
⯎Testing commercial systems;  
⯎Using screenshots of subjects from the Database in advertisements;  
⯎Selling data or making any commercial use of the Database;  
⯎Broadcasting data from the Database.

1. **Requests for the dataset:**

All requests for the SCUT LFMB-3DFB Dataset must be directed to BIP Lab in the form of a signed copy of this agreement. If the request is granted, the researcher will receive access instructions.

1. **Publication and Acknowledgement:**

Those seeking to include renderings of any part of data from the SCUT LFMB-3DFB Dataset in reports, papers, and other documents to be published or released must first obtain approval in writing from the BIP Lab. The data in the SCUT LFMB-3DFB Dataset should not be used in any way that could cause the original subject embarrassment or mental anguish.

All Documents and papers that report on research that uses the SCUT LFMB-3DFB Dataset must acknowledge the use of the dataset by including a citation of the paper:

*Yang, W., Chen, Z., Huang, J., Wang, L., & Kang, W. (2021). LFMB-3DFB: A Large-scale Finger Multi-Biometric Database and Benchmark for 3D Finger Biometrics. 2021 IEEE International Joint Conference on Biometrics (IJCB), 2021, 1-8*.

*Yang, W., Chen, Z., Huang, J., & Kang, W. (2022). A Novel System and Experimental Study for 3D Finger Multi-Biometrics. IEEE Transactions on Biometrics, Behavior, and Identity Science*.

1. **Publications to SCUT LFMB-3DFB:**

A copy of all reports and papers that are for public or general release that use the SCUT LFMB-3DFB Dataset must be forward immediately upon release or publication to the BIP Lab.

1. **Indemnification:**

Researcher agrees to indemnify, defend, and hold harmless BIP Lab and its board of managers, 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) and shall pay all damages, claims, judgments or expenses resulting from researcher’s use of the SCUT LFMB-3DFB Dataset.

**Note: Signatory must have the legal authority to sign licensing agreements on behalf of the Licensee with BIP Lab.** Licensee’s legal staff should review the terms and conditions of this agreement and execute it. Agreements signed by individuals without this authority are not valid and will be discarded.

SCUT LFMB-3DFB Application Form:

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| --- | --- |
| NAME and TITLE  (In capitals) |  |
| SIGNATURE and Data |  |
| ORGANIZATION |  |
| ADDRESS |  |
| EMAIL |  |
| TELEPHONE |  |

\*The table can be filled in English or Chinese.

\*Please scan the agreement and email to scutbip@outlook.com.