

## **Nanyang Technological University Inner Thigh Database Version 1 Release Agreement**

The goal of the Nanyang Technological University Inner Thigh Database Version 1 (NTUITDB v1) is to develop new technologies, techniques, methods, algorithms and systems for automatic criminal and victim identification based on skin biometrics in forensic settings. As this tattoo image database is dedicated to criminal and victim identification, to speed up the technology development in this area, we would like to share the database to other scientists who are interested in this area of research on a case by case basis.

The images were collected from subjects with different ages and ethnic groups (e.g., Chinese, Malay, Indian, and Caucasian). The images were captured in indoor environments using different DSLR cameras. The images were captured in two different sessions with an interval ranging around 1.5 weeks. The subjects were not given strict pose instructions during the image collection process. Images with tattoos are removed from the database to protect the identity of the subjects. Numbers are used as filenames. To reduce downloading time, the raw images are rotated and cropped and the background is also removed. The images are available in .bmp format; no other image formats will be provided.

To receive a copy of the database, researchers must sign this document and thereby agree to observe the restrictions listed in this document. Failure to observe the restrictions listed in this document will result in access being denied for the balance of the NTUITDB v1 and being subject to civil damages in the case of publication of images that have not been approved for release, a violation of restrictions 3, 4 and 5 below. The database will be available to researchers in the form of online. There will be no charge for the database. The researcher(s) agree/s to the following restrictions on the database:

1. The NTUITDB v1 will not be further distributed, published, copied, or further disseminated in any way or form whatsoever. This includes further distributing, copying or disseminating to a facility or organization unit in the requesting university, organization, or company.
2. All requests for copies of the database will be forwarded to the person in charge at the Nanyang Technological University (NTU), Singapore.
3. Images from this database can only be allowed to appear in technical reports, papers, and other documents published or released.
4. All the images will be used for the purpose of academic or scientific research in forensic identification only. The database, in whole or in part, will not be used for any commercial purpose in any form. Commercial distribution or any act related to commercial use of this database is strictly prohibited.

*Cyber Security Lab, School of Computer Science and Engineering  
Nanyang Technological University Singapore  
All Rights Reserved.*

5. The images will never be associated to any persons or any group of persons.
6. All documents and papers reporting research results obtained using the database will acknowledge the use of the NTUITDB v1 using the following statement: “Portions of the research in this paper use the Nanyang Technological University Inner Thigh Database Version 1. Credit is hereby given to the Cyber Security Laboratory at the School of Computer Science and Engineering, Nanyang Technological University, Singapore for providing the database.” The documents and papers will also add citations to :

[1].Hengyi Zhang, Chaoying Tang, Adams Kong, and Noah Craft, “Matching vein patterns from color Images for forensic investigation”, Proc. of IEEE International Conference on Biometrics: Theory, Applications and Systems, pp. 77-84, 2012.

[2]. Chaoying Tang, Adams Kong and Noah Craft, “Uncovering vein patterns from color skin images for forensic analysis”, Proc. of IEEE Computer Vision and Pattern Recognition, pp. 665-672, 2011.

7. Images in this database and results derived from this database will only be stored in the IT infrastructure/systems owned by the organization that the researchers work for. Images in this database and results derived from this database will never be stored in the IT infrastructure/systems owned by other organizations, including but not limited to, icloud and dropbox.
8. While every effort has been made to ensure accuracy, the database owners cannot accept responsibility for errors or omissions. The database owners reserve the right to revise, amend, alter or delete the information provided herein at any time, but shall not be responsible for or liable in respect of any such revisions, amendments, alterations, or deletions.
9. The database owners reserve the right to terminate the usage permission of the database given to the researcher(s) at any time. Once the researchers receive the notification of termination, they must immediately delete the entire database and all results derived from this database in their systems.

**The person in charge:**

Associate Professor Adams Kong

School of Computer Science and Engineering

Nanyang Technological University

Block N4, 50 Nanyang Avenue Singapore 639798

[forensics@ntu.edu.sg](mailto:forensics@ntu.edu.sg)

**Download instruction:**

All requests for the NTUITDB v1 must be directed (by email) to the following address: [forensics@ntu.edu.sg](mailto:forensics@ntu.edu.sg). Applicants should **manually fill, sign, scan and attach** the application form to the given email address. Upon receipt of an executed copy of the signed application form, access instructions will be given.

This database request is made by:

(SIGNATURE & DATE)

FULL NAME: \_\_\_\_\_

POSITION: \_\_\_\_\_

ORGANIZATION: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

EMAIL: \_\_\_\_\_