

– Master-/Bachelor Thesis – Impact of Selfie Filters on Face Recognition

da/sec



da/sec is the biometrics and Internet security research group and is affiliated with University of Applied Sciences Darmstadt and the National Research Center for Applied Cybersecurity (ATHENE). The group is led by Prof. Dr. Christoph Busch. The focus of the group is on highly innovative and applied IT security research in the special fields of biometrics. Read more on www.dasec.h-da.de.

Motivation & Goal

In the recent past, dozens of selfie filters have been made available to modify face images before sharing them via social media, for example Instagram. It is of interest whether such filters hamper reliable facial recognition.

The goal of this project is to benchmark different face recognition systems on face databases that have been modified by applying said selfie filters in different configurations.

Tasks

- Creation of face database with selfie filters
- Evaluation of face recognition systems on the created database

We offer

- Incentives for the student to work on this project (work within scientific context, international collaboration, work on project in collaboration with companies)

Requirements

- High motivation and creativity
- Programming skills
- Good analytical skills
- Interest in biometric recognition

By Date

By now / by appointment

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