
– Master-/Bachelor Thesis – Face Image Blur Quality Assessment

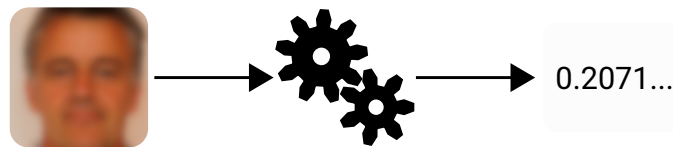
da/sec



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, internet security and digital forensics. Read more on www.dasec.h-da.de.

Motivation & Goal

Face recognition performance can be limited by the quality of the used images, and blur is one factor that impacts quality. There are different blur measurement algorithms, including ones previously examined in the context of face image quality assessment. But how do these blur measures differ, which one is best suited to predict quality for face recognition purposes, and could it help to combine multiple measures?



Face image

Blur

Quality score

quality assessment

Tasks

- Compare different blur measures in terms of face recognition image quality assessment performance.
- Test fusion of multiple blur measures.
- Use both real and synthetically blurred data for the evaluation.
- Optional: Create new blur measure models besides fusion.

Start / Period

By now / by appointment

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