
- Master-/Bachelor Thesis - Ocular Soft Biometrics

da/sec Da/sec is the biometrics and internet security research group and is affiliated with University of Applied Sciences Darmstadt and the Center for Research in Security and Privacy (CRISP). It is led by Prof. Dr. Harald Baier and 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 Soft biometric traits, e.g. gender or eye color, can be used to assist traditional biometric recognition systems. Lately, it has been shown that a bag of soft biometrics could be used to identify individuals. The rich information provided by the ocular region of a person's face motivates the extraction of soft biometric features beyond eye color. Also, machine learning approaches could be utilized to identify suitable features. Such features might be used to assist traditional algorithms in challenging task such as age-invariant recognition or large-scale biometric indexing.



Tasks

- Independent research on state-of-the-art of soft biometrics
- Implementation and evaluation of ocular soft-biometric classifiers

Requirements

- High motivation and creativity
- Strong interest in research
- Strong mathematical background
- Good programming skills
- Good analytical skills

By Date

- By now / by appointment

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