
– Master/Bachelor Thesis –

Information Fusion in Large-scale Biometric Identification Systems

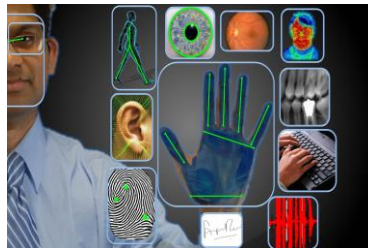
da/sec



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). The group 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

Accuracy, especially in terms of false positive occurrences, is one of the key challenges in large-scale biometric deployments, where an exhaustive database search is performed in the identification and de-duplication scenarios. Fusing information from multiple sources (e.g. iris and facial images) can be used to increase the accuracy of such systems. In this project, various strategies for biometric information fusion will be implemented and evaluated; furthermore, the trade-offs between biometric performance and computational workload will be investigated.



Tasks

- Independent research in the area of multi-biometric systems
 - Implementation and evaluation of biometric fusion methods
- Requirements**
- High motivation and creativity
 - Strong interest in research
 - Good programming skills
 - Good analytical skills

By Date

By now / by appointment

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