

– Master-/Bachelor Thesis – Hand-based Biometrics for Forensics

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

Current hand detection and tracking systems show excellent performance and can be employed for various computer vision tasks. The goal of this project is to analyze whether such algorithms can also be used for biometric recognition. This is particularly interesting for forensic investigations where only the hands of searched subjects are captured in images or videos.

Tasks

- Design of a hand-based identification system
- Biometric performance evaluation on existing databases

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

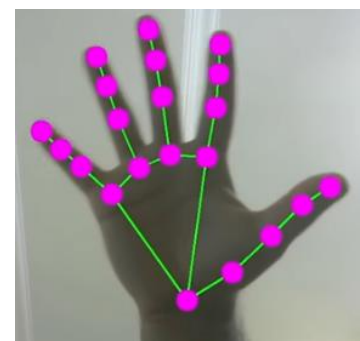
By Date

By now / by appointment

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