h_da
HOCHSCHULE DARMSTADT
UNIVERSITY OF APPLIED SCIENCES

fbi
FACULTY OF COMPUTER SCIENCE

ATHENE
Nationales Forschungszentrum
für angewandte Cybersicherheit

– Master-/Bachelor Thesis –
Deep Learning-based Tattoo Detection

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	Tattoos can be important information when it comes to forensic image processing. A vital step in recognizing tattoos is a reliable detection and segmentation of tattoos. State-of-the-art detection methods based on deep neural networks are expected to outperform existing approaches. The goal of this project is to train a neural network for the detection and segmentation of tattoos.

Tasks
- Creation of training database
- Implementation of neural network-based tattoo detection method

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

Contact

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