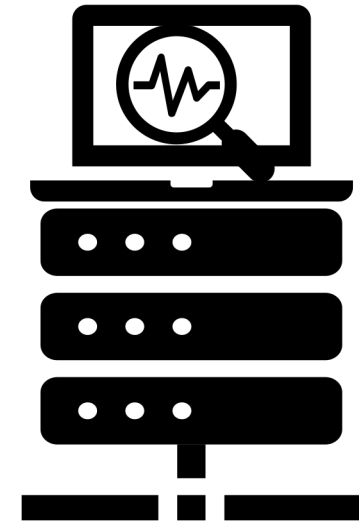
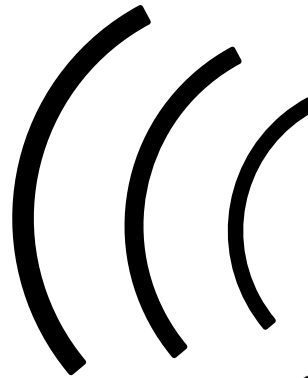
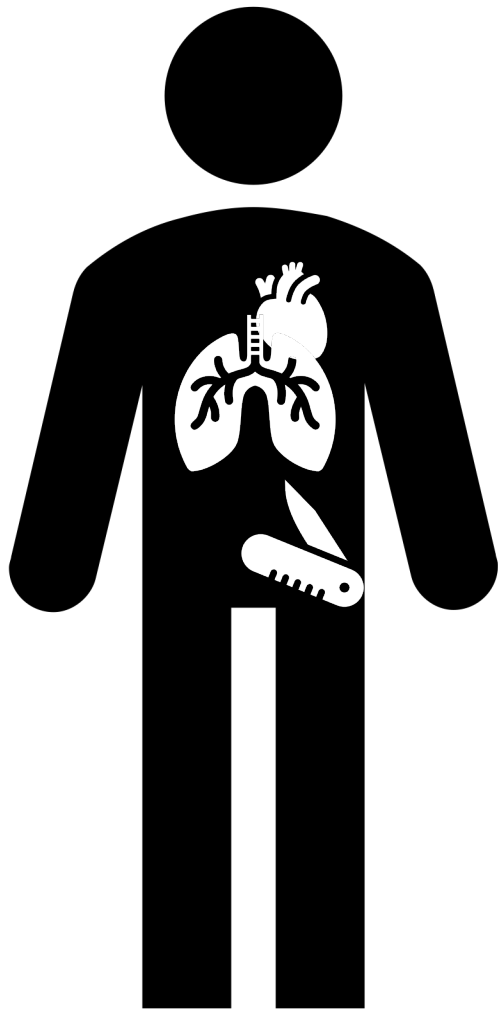

Radar / Video Checkpoint

Master Lab “Sensor Data Fusion”

SS 2020



Scenario Setup



- Person detection
- Localization and tracking
- Vital parameters
- Threat detection

Work Packages

Camera Processing

- Person detection
- Angle measurement

Radar Processing

- Raw Data Processing
- Target Detection
- Target Tracking
- Doppler data Extraction

Vital Parameters

- Doppler Data Analysis
- Vital Parameter Extraction
- Frequency Estimation

Sensor Data Fusion

- Target localization
- Tracking
- Track confirmation

Threat Detection

- Detection of carried objects
- Classification: carrying / non-carrying

Data Management / GUI

- Graphical User Interface
- Interfaces
- Networking

Organization

- Technical supervision
 - Reinhold Herschel (FHR), Felix Govaers (FKIE)
- Kick-off Meeting (via Zoom): July 16, 16-18 h, ct
- Working phase: 17.8. – 4.9. or by arrangement
- Report phase: 7.9. – 11.9.
- Registration
 - Email to Felix Govaers
 - In Basis (after the kick-off)

