

Assistant (Student)

Secure Video Processing and Streaming (AISEC)

The most of contemporary video recording and streaming software do not provide strong security guarantees, in terms of confidentiality, provable authenticity of the video data, as well as enforced access policies. To demonstrate possible solutions to those shortcomings, Fraunhofer AISEC develops software for secure and trusted video applications, e.g., security cameras.

This software is written in C/C++ for Linux-based systems and applies security mechanisms and policies on video data. For the current implementation state we are seeking support for various extensions and improvements. The position provides an opportunity to work on a project bringing cutting edge security into the video-based applications. The candidates are expected to be able to find her way through technical documentations, understand third-party libraries and tools, and of course have fun trying out new approaches.

Prerequisites

- High motivation and independent work style
- Ability to grasp new technologies and concepts quickly
- Good knowledge and experience in C/C++ programming
- Knowledge in the field of video processing and codecs is advantageous

Contact

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