



Chair for IT Security  
Prof. Dr. Claudia Eckert



*Announcement: Student Assistant (m/f/\*) at Fraunhofer AISEC*

## Code Review on C/C++ Open Source Code

### Motivation and Task Description

At Fraunhofer AISEC the static analysis tool *Woodpecker* was developed, that sets up on several open source static application security testing (SAST) tools. This tool is going to be open sourced soon and in this scope, we want you to evaluate it on several C/C++ open source projects to see, if we can find and publish vulnerabilities (using a coordinated disclosure process). Your main task would be to select appropriate open source projects, performing a security code review using Woodpecker on the projects and scanning the results to filter all false-positives. Additionally, if bugs appear or small improvements need to be done on Woodpecker, we would expect you to help solving those issues.

### Requirements

- Knowledge of (C/C++) vulnerabilities
- Ability to work self-directed and systematically
- Programming skills, preferably in python
- Background knowledge of code representations and static code analysis

### Contact

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