

Driving decarbonization and digitalization. Together.



Senior Staff Verification Engineer (f/m/div)

Job description

Do you want to make life more secured? As Senior Staff Security Verification Engineer you will play an important role in securing our products against attacks. You will cover the complete security environment and have the opportunity to get deeply involved with the security architectures at Infineon. You will verify that hardware modules meet the security requirements and you will find sustainable verification solutions. In addition, we offer you entry into our “Technical Ladder” career path for experts. The Technical Ladder is a special career path for those who share innovative ideas, demonstrate comprehensive technical knowledge, show thought leadership, possess problem solving abilities and are able to create business value.

In your new role you will:

- Write formal verification testbenches and checks for functional and security properties.
- Write verification plans and contribute improvements for digital design, concepts and verification methodologies in collaboration with concept engineering and digital design teams.
- Develop and integrate new models, frameworks and methods for pre-silicon security attack analysis in languages such as System Verilog, C, C++ and Python and give technical guidance for their application.
- Model side-channel attacks and fault attacks on RTL and gate level netlists using commercial and academic EDA tools.
- Debug and analyze security hardware modules.

Profile

Taking new challenges without knowing the right path to an eventual solution in advance is not a problem for you. Respecting different attitudes and points of view and using the creative potential they offer reflects your mindset. You leave code in a better shape than you found it. If you are able to find solutions for complex problems and you inspire others with your ideas, then you should join our team

If you don't fulfill all the requirements, that's alright. We welcome individuals with varying levels of experience who are keen to embark on a new challenge in a sustainable and dynamic setting.

At a glance

Location:
Job ID: **HRC0855349**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **HRC0855349**
www.infineon.com/jobs

Contact

Thomas Bloch



You are best equipped for this task if you have:

- Master or PhD in Electrical Engineering, Informatics, Mathematics or comparable
- 3+ years professional experience in formal digital hardware verification
- Knowledge of security concepts, secure software development or digital hardware security
- Experience in digital hardware design and working with EDA tools and design flows
- Experience in programming and scripting
- Have fun in solving complex problems
- Fluent English communication skills, preferably good German language skills

Why Us

Driving decarbonization and digitalization. Together.

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

We are on a journey to create the best Infineon for everyone.

This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant's experience and skills.

We look forward to receiving your resume, even if you do not entirely meet all the requirements of the job posting.

Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.

[Click here](#) for more information about Diversity & Inclusion at Infineon.

