Principal Engineer Security Verification (f/m/div)*

Job description

Do you want to make life safer? As Principal Engineer Pre-Silicon Security Verification you will play an integral role in securing our products against attacks. You will cover the complete security environment and have the opportunity to get deeply involved with the corresponding modules and architectures at Infineon. You will uncover complex security problems, find sustainable solutions and verify the modules with regard to the security requirements. 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:

- Be in charge of the **development of security verification strategies**
- Determine the **implementation of security verification methodologies**
- **Perform** and **evaluate side channel verification regressions** and ensure high quality deliveries
- Be **responsible for security robustness** of developed IP components
- Develop and integrate new models and methods for **security attack analysis** and **give technical guidance** for their applications
- **Collaborate** closely **with other stakeholders** to contribute to interdisciplinary concepts and design teams. In this way, you will foster the **active transfer of knowledge** and the **exchange of best practice** across organizational boundaries.

Profile

You develop and implement effective solutions. With your foresighted planning ("first time right"), you ensure high quality. In addition, you create added value through your ideas and solutions. You challenge the status quo and courageously break new ground. Furthermore, you take on new challenges without knowing the right path to an eventual solution in advance. Last but not least, you are willing to deliberately take risks and manage them actively.

You are best equipped for this task if you have:

- A degree in **Electrical Engineering, Physics, Mathematics** or comparable
- Around 6 years of **professional experience in the field of digital design, verification, concept engineering** or **security analysis**
- **Main Experience in designing, verifying or analyzing** secure CPUs, Crypto-Processors or secure digital IPs

At a glance

Location:	**Munich (Germany)**
Job ID:	**350237**
Start date:	**as soon as possible**
Entry level:	**5+ years**
Type:	**Full time**
Contract:	**Permanent**

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Job ID: 350237
www.infineon.com/jobs

Contact

Tobias Pfundtner
Talent Attraction Manager

- Good knowledge of **EDA development tools** (layout, synthesis, simulation)
- Proven **ability to solve problems with higher complexity** involving expert networks
- Practice in **scripting, programming languages** and **MATLAB**
- Excellent **English** skills, **German** skills are a plus

Benefits

- **Munich:** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International Assignments; Different Career Paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working conditions; Home Office Options; Part-time work possible; Sabbatical; Creche and kindergarden with 180 spots and opening times until 6pm; Holiday Child Care; On-site social counselling and works doctor; Health promotion programs; On-site gym, jogging paths, beachvolleyball, tennis and soccer court ; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement; Performance bonus; Cheaper ticket for public transport and very own S-Bahn station; Accessibility access for wheelchairs

Why Us

Part of your life. Part of tomorrow.

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

– Connected Secure Systems (CSS) is at the heart of the IoT –

The **CSS** division provides end-to-end systems for a connected, secured world – building on trusted, game-changing microcontrollers as well as wireless and security solutions. CSS delivers microcontrollers plus Wi-Fi, Bluetooth® and combined connectivity solutions (known as connectivity combos) along with hardware-based security technologies to power the broadest application spectrum spanning consumer electronics, IoT devices, cloud security, IT equipment, home appliances, connected cars, credit and debit cards, electronic passports, ID cards, and more. The division is at the forefront of computing, wireless connectivity, and trusted technologies that are helping to securely connect the networked systems of today and tomorrow.

Click here for more information about working at CSS with interesting employee and management insights and an overview with more #CSSDreamJobs.

* The term gender in the sense of the General Equal Treatment Act (GETA) or other national legislation refers to the biological assignment to a gender group. At Infineon we are proud to embrace (gender) diversity, including female, male and diverse.