

# Driving decarbonization and digitalization. Together.



## Senior Staff/Principal Engineer Analog Defect Simulation Methodology (f/m/div)

### Job description

At Infineon, successful development is characterized by high quality and efficiency. We achieve this through the continuous improvement of processes and tools - staying up to date is an exciting challenge for our team. As part of our "Verification and Validation" department, you will be responsible for the further development, maintenance and support of our analog and mixed-signal design flow. This position is part of our Technical Ladder. This 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:

- **Support, maintain and further improve Infineon's IC design methodology** with focus on analog defect simulation and analog verification methodology
- **Responsible for enabling Infineon Business Lines** to perform Analog Defect Simulations in compliance with the IEEE P2427 standard
- **Proactively consult chip design projects** to ensure proper and efficient usage of working environment, software tools and related methodology
- **Collect application specific requirements** to the design environment and provide fast solutions (e.g. hot fixes)
- **Work closely with internal and external software tools and methodology providers** on improving existing and developing new solutions
- **Create and maintain the necessary specification and documentation**
- **Carry out trainings** for the design flow and tool users

### Profile

You are best equipped for this task if you have:

- A **PhD or Master of Science in Electrical or Electronics Engineering** or similar
- **5+ years of professional experience** in the **area of Analog/Mixed-Signal design and verification**
- **Knowledge in Design for Test, Layout, pre-silicon verification and testability** and insights in semiconductor product manufacturing would be a plus
- **Experience with Cadence Virtuoso Schematic Editor and circuit simulators** such as XA, Spectre, HSpice, Eldo
- **Good software development skills** (C, Python, tcl, etc.) in a Unix/Linux environment

### At a glance

Location:	<b>Dresden (Germany), Munich (Germany)</b>
Job ID:	<b>HRC0775953</b>
Start date:	<b>Jul 01, 2024</b>
Entry level:	<b>5+ years</b>
Type:	<b>Full time</b>
Contract:	<b>Permanent</b>

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: **HRC0775953**

[www.infineon.com/jobs](http://www.infineon.com/jobs)



### Contact

**Elisa Stasch**  
Recruiter



- **Strong analytical and debugging skills**
- **Leadership and good communication skills, team player**
- **Fluent English skills;** German is a plus

## Benefits

- **Dresden:** 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 in office jobs; Home Office possibilities; Part-time work possible (also during parental leave); Spots in local kindergarden; On-site social counselling and works doctor; Health promotion programs; Fitness Room; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement ; Performance bonus; Reduced price for public transport, car sharing, charging station for e-cars and e-bikes; Accessibility, access for wheelchairs; Possibility to work remotely from abroad (EU)
- **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 (also during parental leave); Sabbatical; On-site creche and kindergarden with 220 spots, open until 5:30pm; Holiday child care; On-site social counselling and works doctor; Health promotion programs; On-site gym, jogging paths, beachvolleyball, tennis & soccer court; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement ; Performance bonus; Reduced price for public transport and very own S-Bahn station; Access for wheelchairs; Possibility to work remotely from abroad (EU)

## 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.

The **Development Center Dresden** was launched in 2019 and is growing successfully. Today, more than **120** top-class experts and young talents from **23** nations are working on research and development of new products and solutions for automotive and power electronics, software, chip design and verification, characterization of complex systems as well as development of products and solutions with artificial intelligence. In the long term, the Development Centre will employ around 250 people. State-of-the-art research and characterization labs facilitate R&D activities for automotive applications, electromobility and AI chips of the next but one generation. The Development Center covers the complete development value chain from product and system definition to qualification.

This is the right place for you, if you want to work in a high-tech environment, master challenges of advanced product development, be part of a multicultural team with great spirit and experience a startup-like culture.

[Click here](#) for more information about working at DC Dresden with interesting employee and management insights and an overview with more Jobs at #DCDresden.

The central R&D organization „**Design Enabling and Services**“ (**DES**) provides the design environments (design-systems) to the different product development teams at Infineon. With leading edge design methods, complex building blocks and a wide range of product development services DES enables Infineon's advanced IC development.



This means the complete value creation chain from abstract system models down to the fully verified product layout which ensures high quality manufacturing readiness.

**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.

