Driving decarbonization and digitalization. Together.

(Senior Staff) Engineer for Circuit Simulator Models and Devices (f/m/div)

Job description

We ensure that Infineon's in-house circuit simulator stays a first-class tool – but what is in it for you? First of all: VERSATILITY – you will be involved in development, implementation, maintenance & tool support at the same time. Secondly: IMPACT – you will be in a position to influence simulation methodology used by Infineon's designers worldwide. And last but not least: PERSONAL DEVELOPMENT – through learning from highly skilled colleagues.

In your new role you will:

- Develop Infineon's in-house analog circuit simulator
- Develop and constantly optimize the simulator to achieve maximum performance, feature set and maintainability
- Improve existing software modules including refactoring and maintenance of existing code
- Support our worldwide user community
- Write technical documentation
- Participate in EU-funded projects that are actively pursuing topics relevant to Infineon-internal simulation communities

Profile

You are best equipped for this task if you have:

- A degree in Electrical Engineering, Computer Science, Mathematics or related areas
- Several years of work experience in simulation software development, electronic design automation (EDA) area, algorithm development or a related technical area
- Proficiency with SPICE-simulators (e.g., SIMetrix, Orcad PSpice, LTspice, Cadence Spectre, Synopsys HSPICE, Siemens EDA AFS, etc.)
- Good programming skills with focus on C++/C
- A deep understanding of electronic devices and their applications
- Understanding in high-performance data structures and algorithms, sparse matrix techniques, memory optimization and multithreading programming experience
- Self-motivation with excellent interpersonal and problem-solving skills
- In the best case: already previous experience in circuit simulator development

At a glance

Location:	
Job ID:	**HRC0760832**
Start date:	**Jul 01, 2024**
Entry level:	**3-5 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: HRC0760832
www.infineon.com/jobs

Contact

Elisa Stasch
Recruiter

- Excellent spoken and written communication skills in English, German language skills are 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)

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.