



Senior Staff Engineer Circuit Simulator Development (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. With this position you will be entering our „technical ladder”: our career path for experts. You will be able to focus deeply on technology – while further pursuing your career. As you continually expand your expert knowledge, puzzle over matters and solve problems, you will position yourself as a thought leader – thus helping our products improve our world a bit more each day.

In your new role you will:

- **Develop Infineon's in-house mixed-signal 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

An Infineon user is your first priority – we want to develop functionalities that help in the daily chip development process. Therefore, it is important to ‘translate’ user requirements into specifications – while having an eye for the details. As we are working in a team, but also in standalone projects, you should bring flexibility in your working style as well as good self-management.

You are best equipped for this task if you have:

- A degree in **Computer Science or Electrical Engineering or Mathematics** or related areas
- **Minimum 5 years of work experience** in **electronic design automation (EDA) area** or **software design and implementation** or **analog/mixed-signal simulations** or a related technical area

At a glance

Location: **Munich (Germany)**
Job ID: **342751**
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:

Job ID: **342751**
www.infineon.com/jobs

Contact

Alexander Greie
Team Lead Talent Attraction



- **Very good programming skills** with focus on **C++/C** in **UNIX** environments; programming experience in Windows environment and/or FORTRAN skills are an advantage
- First **technical leadership** skills
- Knowledge about one or more of the following topics: **analog circuit simulation, mixed-signal IC simulation**, algorithm development and numerical mathematics.
- Some hands-on experience with tools like **Spectre, HSPICE, PSpice or Cadence AMS Designer/Xcelium/Incisive or Synopsis VCS or Mentor Questa/Symphony tools**
- Familiarity with languages such as **SPICE, Skill, Verilog-A/Verilog-AMS /SystemVerilog or SystemC**
- Working experience in adjacent areas such as **analog/mixed-signal circuit design** or system-level circuit simulations seen as a benefit
- In the best case already **previous experience in circuit simulator development**
- Familiarity with **agile software development** techniques
- **Fluent English skills with German** seen as 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 (also during parental leave); Sabbatical; On-site creche and kindergarden with 120 spots, open until 6pm; 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

Why Us

Part of your life. Part of tomorrow.

We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

The central R&D organization „**Design Enabling and Services**“ (DES) provides the design environment to the different Infineon product development teams. With state-of-the-art design methods, building blocks and a wide range of product development services DES supports Infineon's advanced IC development from early high level system models to verified products ready for manufacturing.

** 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.*

