



Staff Engineer Compact Modeling (f/m/div)*

Job description

We are looking for an experienced Staff Engineer Compact Modeling who will be responsible for the characterization and modeling of integrated smart power devices for Automotive Technologies. You will work in a highly motivated and flat organized team of technical experts developing process design kits (PDK) for automotive products and beyond. Our internal customers are circuit designers who are distributed worldwide. 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 be responsible for the following tasks:

- **Measurements of device characteristics** on wafer level for power semiconductor devices
- Extraction of **spice level simulation models** from parameter measurements
- Extraction of **statistical models** from process control monitoring data
- Fitting **model parameters** to measurement data
- **Quality assurance and documentation**
- Support of circuit designers using the models for **circuit simulation**
- **Development of new methods** for measurement and parameter extraction

This job is suitable for full- and part-time.

Profile

You are a team player with an innovative mindset and you cooperate across boundaries and appreciate the contributions of other people. You are open to new ideas and receptive to other ways of thinking or working. Furthermore, you focus on the needs of our customers, including the design community, and can communicate with them clearly and independently.

You are best equipped for this task if you have:

- **A degree in Electrical Engineering, Microelectronics, Physics** or a related field
- **At least 3 to 5 years of working experience in semiconductor technologies**, preferably in compact modeling-related subjects, like device measurement and SPICE models development
- Knowledge and experience with **analog circuit design** is a plus

At a glance

Location: **Munich (Germany)**
Job ID: **350535**
Start date: **as soon as possible**
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:

Job ID: **350535**
www.infineon.com/jobs

Contact

Florian Nops
Talent Attraction Manager



- Knowledge of **DC** and **CV measurement systems**. Knowledge of ICCAP software, VerilogA, and Python are a plus
- Ideally also an understanding in **technology processes**, **PDK** development or use, understanding of a **design flow**
- Fluent **English** skills, **German** is 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.

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.

– Automotive (ATV) shapes the future of mobility with microelectronics enabling clean, safe, and smart cars –

Our semiconductors are essential for supporting the automotive megatrends: electromobility, automated driving, connectivity, and advanced security. They link the real and the digital world, driving the ever-advancing pace of automotive digitalization. Infineon ATV is the number one semiconductor partner in the fast-changing automotive world, based on our system knowledge and our passion for innovation and quality. [Click here](#) for more information about working at ATV with interesting employee and management insights and an overview with more #ATVDreamJobs.

** 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.*

