



Technology Development and Device Characterization Expert (f/m/div)*

Job description

Looking for a challenging career start? Be part of an international team. You will develop high-voltage transistors and diodes for integrated circuits, in new technologies, to realize best-in-class gate drivers.

In your new role you will:

- **Develop and characterize** high voltage devices for **gate driver** ICs
- Develop **electrical characterization methods** for high voltage devices
- **Define requirements for high voltage devices for gate driver ICs**, in cross-functional alignment with departments of design, component verification, production, quality management
- **Development and layout of test structures**, for test chips and for productive monitoring, **including the definition of the measurement methods**

Profile

You are best equipped for this task if you have:

- **Phd or Master/Diploma** after studies in electrical engineering, physics, or any microelectronic related field
- Experience in **silicon based CMOS technology or power semiconductors**
- Experience in **electrical characterization**
- **Intercultural communication skills**
- Good command of **German and English** language

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 ;

At a glance

Location: **Dresden (Germany)**
Job ID: **354895**
Start date: **as soon as possible**
Entry level: **1-3 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: **354895**
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Contact

Felix Krackau
Talent Attraction Manager



Performance bonus; Reduced price for public transport, car sharing, charging station for e-cars and e-bikes; 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.

– Industrial Power Control (IPC) empowers a world of unlimited green energy –

Power semiconductors play a crucial role in increasing efficiency and reducing energy losses along the whole energy conversion chain.

As the global leader in power semiconductors, Infineon IPC delivers pioneering products, solutions and services for smart and efficient energy generation, transmission, storage, and use. We strive to make this planet a greener place where sufficient energy is accessible to everyone – wherever and whenever it is needed.

[Click here](#) for more information about working at IPC with interesting employee and management insights and an overview with more #IPCDreamJobs.

** 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.*

