

Driving decarbonization and digitalization. Together.



Staff Engineer Electrical Development (f/m/div)

Job description

Would you like to be part of the fascinating technological development of power electronics in electromobility? Do you enjoy working at the cutting edge of technology? As a Staff Engineer in the electrical development (f/m/div), you will develop automotive power modules for electric and hybrid vehicles at our innovation site in Warstein, NRW. Here, the research and development (R&D) is located directly next to the production of power semiconductor modules. With this position, you will enter our "technical leader" role: our career path for experts. You can immerse yourself in technology intensively - and at the same time advance your career. By continuously expanding your expertise, tinkering, and solving problems, you position yourself as a thought leader - and thereby contribute to improving our world a little more every day with our products. FLEXIBILITY IS IMPORTANT TO US: We work together to find individual solutions so that your profession does not interfere with your personal life. Please talk to us!

Your new responsibilities in the development department in the **Infineon Division ATV** include:

- **Electrical and thermal design of power semiconductor modules** for electric and hybrid vehicles
- **Participation in the development and integration of new chip technologies** based on Si and SiC for power modules
- **Elaboration of specifications based on application requirements**, creation of datasheets, technical reports, and presentation of results
- **Planning and execution of electrical and thermal characterization** including the evaluation and analysis of data
- **Accompanying** the construction, commissioning, and testing of prototypes until series production
- Collaboration in **international, interdisciplinary, and cross-site teams**

Profile

As an experienced Staff Engineer (f/m/div), you understand how to develop ideas and solutions together in a team, are open to new ideas, and are receptive to different ways of thinking and acting. You take on the technical leadership and ensure that technically correct decisions are made. In doing so, you always seek the best solution together, respect different attitudes and perspectives, and use the resulting creative potential. In addition, you are highly committed to addressing customer issues with high priority.

You meet the requirements successfully if you:

At a glance

Location:
Job ID: **HRC0700368**
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. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **HRC0700368**
www.infineon.com/jobs



Contact

Louise Radüge
Recruiter



- Have **successfully completed a university degree** (Diploma/Master/PhD) in the field of **electrical engineering, physics**, or a related field
- Have **several years (minimum 3 years) of relevant professional experience in the field of power electronics**
- Bring **very good knowledge of power electronic components IGBT, MOSFET, and diodes based on Si and SiC**
- Have **experience with power electronic measurement technology** and the **characterization of power modules**
- Have **demonstrated experience in circuit simulation, e.g., Pspice, MATLAB**
- Can **communicate effectively in German and English**

Benefits

- **Warstein:** 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; Holiday child care; On-site social counselling and works doctor; Health promotion programs; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement ; Performance bonus; 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.

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

The ATV division is shaping the future of mobility by enabling clean, safe, and smart cars. Its product and solution offering is powering the decarbonization and digitalization of vehicles. By driving the transition to hybrid and purely electric vehicles, ATV is making a valuable contribution to cleaner roads. ATV is also increasingly digitalizing cockpit, infotainment, comfort, and lighting applications as it takes automated driving to the next stage with higher levels of connectivity, security, and safety.

The ATV portfolio integrates sensors, microcontrollers, high-performance memories for specific applications, power semiconductors based on silicon and silicon carbide, as well as components for human-machine interaction and vehicle connectivity. Infineon is the world leader in automotive semiconductors.

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

Automotive High-Voltage: We Drive the Electrification of Cars

Our vision of the future is zero-emission and autonomous mobility, based on electric vehicles.

Infineon's role: Our chip solutions control the electric current from the battery to the electrical consumers, whether a traction motor of an electric vehicle, a power steering system or an in-car USB charger. In fact, our products directly impact the range, size, reliability and affordability of electric vehicles. Engineers at the business line High-Voltage (ATV HV) create products that are both market and technologically leading. Our highly diverse and ambitious teams have a desire to shape the future with innovation aimed at propelling society towards fully electric, zero-emission, autonomous mobility.



ATV HV contributes to shape the future of mobility with microelectronics enabling clean, safe, smart cars.

[#PowerForElectromobility](#)

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.

