



Concept Senior Staff Engineer Power Device Technologies (IGBTs and diodes) for E-mobility (f/m/div)*

Job description

Do you see yourself as a developer? You want to cooperate with renowned players in the automotive industry? Are you capable of working self-driven, initiating new activities which involve profound know-how of application requirements and technology capabilities? You are able to work within a multi-site R&D organization while being flexible when dealing with new and unpredictable situations? You strive for adopting a key role as developer in bringing the next generation of high-performance power devices to the market? Then the position as Concept Senior Staff Engineer for automotive Power Device Technologies is the right opportunity for you! 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:

- **Develop IGBT and diode power device technologies for automotive E-mobility applications**
- **Be responsible for the electrical dimensioning of the power devices** in wafer technology development projects
- **Define the specifications for the power devices** according to marketing requirements
- **Design systematic experiments including sample build** and evaluation plans
- **Analyze functional test and characterization results** for the identification of additional improvement potential
- **Build up a comprehensive understanding of application requirements** as well as competitors' technologies

Profile

You challenge the status quo and generate value with your ideas and solutions. Furthermore, you live up to high-quality standards, strive for continuous improvement, and think in a cooperative way. Last but not least with your technical and entrepreneurial instinct you are contributing to the successful positioning of Infineon products into the target markets.

You are best equipped for this task if you have:

- **A degree in Physics, Electrical Engineering**, or a related technical field
- **At least 5 years of professional experience in the area of wafer technology** or product development or application engineering. Ideally, you worked in electrical chip development or concept engineering before

At a glance

Location:	Munich (Germany)
Job ID:	319605
Start date:	immediately
Entry level:	5+ years
Type:	Full time
Contract:	Permanent

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Ayline Föll
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- **A profound understanding of the interdependency** of technology and product characteristics
- **Solid theoretical and practical knowledge in the field** of electrical chip development /power electronics (Si technologies, MOSFETs, IGBTs and/or power diodes)
- **Business fluent English skills**, German or the will to learn German quickly as a plus

