Electrical Engineer / Physicist Electrical Development Power Semiconductors (f/m/div)*

Job description

You want to have a real impact on fighting climate change? Do you want to be part of the world’s leading company providing semiconductor solutions for renewable energies, zero-emission transportation and energy-saving applications? Infineon products combine cutting-edge technology developments with real-world products that have a big impact. As a Development Engineer* you will be responsible for ensuring that our products achieve the best electrical performance and efficiency. You will work in interdisciplinary teams covering the entire spectrum from materials science, electrical and mechanical design to semiconductor physics. Become part of our team and make the world simpler, safer and more environmentally friendly. We look forward to receiving your application!

In your new position as Development Engineer (f/m/div)* in Electrical Research and Development in the Industrial Power Control Division, your new tasks will include:

- Development of leading edge power semiconductor modules and semiconductor technologies in interdisciplinary teams for industrial applications
- Definition and validation of semiconductor technologies in silicon and wide band gap materials
- Development and optimization of electrical product design
- Planning and execution of electrical and thermal characterization of semiconductor devices and modules
- Set-up and execution of experimental verification plans
- Validation of product properties and generation of product data-sheets

Profile

As a Development Engineer (f/m/div)* you understand how to develop ideas and solutions together in a team. You are open-minded for new ideas and show openness towards other ways of thinking and acting. You take over the technical leadership and ensure that technically correct decisions are made. In doing so, you always look for the best solution together, respect different attitudes and points of view, and use the resulting creative potential.

You are best equipped for this task if you have:

- A university degree (Masters/PhD) in the field of physics or electrical engineering
- Profound knowledge in semiconductor or solid state physics
- Experience in experimental planning

At a glance

Location: Warstein (Germany)
Job ID: 335611
Start date: 2022-03-01
Entry level: 1-3 years
Type: Full time
Contract: Permanent

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Contact

Johanna Junghoelter
Talent Attraction Manager
- Knowledge/experience in **electrical characterization methods** (I-V, C-V, HF-Measurements)
- Knowledge in development of analytical, numerical or descriptive models from experimental data
- Very good **English and German skills**