



Technology Development Engineer GaN (f/m/div)*

Job description

Do you want to contribute to a sustainable future by generating leading edge innovations, working in an expanding world-class technology development team with global footprint? Do you want to be a key player in the development of power devices which will revolutionize efficient use of electrical energy and which will enable Infineon to stay in the pole position in this rapidly growing market? Do you want to work in an expanding world-class technology development team? Here is your chance! As Technology Development Engineer GaN you will be able to bring in your semiconductor process and integration experience and rapidly further grow your expertise in novel semiconductor technology development and associated manufacturing. Join our Power & Sensor Systems (PSS) Division and apply now for your #PSSDreamJob!

In your new job you will:

- Participate in the **development of the next generation GaN power technology platforms**
- **Coordinate and define unit process development** in our leading GaN processing line which is fully integrated into our high volume fab for power semiconductors
- Plan and evaluate **design of experiments**
- Elaborate and integrate **advanced process and technology concepts**
- **Set up new process workroutes** and take ownership for full process flow (**process integration**)
- Participate in and **lead problem solving teams** using systematic 8D and 6sigma approaches
- **Define and design technology test structures** for process control and assessment
- Perform **design- and process FMEAs**
- Generate **Intellectual Property**
- Support the **volume ramp and yield learning**
- Execute **advanced data analysis** and representation
- Coordinate **physical and electrical failure analyses**

Profile

You describe yourself as an ambitious team player with outstanding technical expertise in semiconductor development and manufacturing. You use systematic approaches for straightforward problem solving. You like to use design-of-experiment methodology for fast and efficient learning cycles. You are strong in communication and in establishing networks in and around your working environment or are already part of our manufacturing or development teams. You are keen to develop your technical and social skills in the No.1 company for power semiconductors.

At a glance

Location: **Villach**
Job ID: **305012**
Start date: **immediately**
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: **305012**
www.infineon.com/jobs

Contact

Mag. Elisabeth Koestenbauer
Talent Attraction Manager



You are best equipped for this task if you have:

- A university degree (master or above) in **Electrical Engineering, Physics, System Engineering** or equivalent
- **3+ years of experience** in semiconductor testing, process or technology development, process integration, or production (Si, SiC, or GaN)
- Gained already good proficiency in **semiconductor fab systems**, e.g. lot processing and testing
- Worked in high tech environment **project teams before**, experience in own **project management** and desire to lead future technology projects as an advantage
- Practice in **systematic problem solving techniques**
- Experience with **GaN HEMT devices/technology** is desired but not a must
- Expertise in **high-volume manufacturability, reliability and quality assessment**
- Excellent **English** language skills as a must, fluency in **German** as an advantage

This position is subject to the collective agreement for workers and employees in the electrical and electronics industry, employment group G (<https://www.feei.at/leistungen/informations-service/mindestlohne-und-gehalter-2020>). A higher payment is negotiable depending on your expertise and skills.

