



GaN Experts for Technology Development & Project Management (f/m/div)*

Job description

As the technology leader for power semiconductors, we are largely expanding our activities in the field of Gallium Nitride (GaN) power devices. In order to enable the planned growth, we are looking for the best talents and professionals with relevant education and experience. GaN power semiconductors have the potential to revolutionize the efficient use of electrical energy and an acceleration of their development will enable Infineon to stay in the pole position of this rapidly growing market. If you are eager to contribute to a sustainable future by generating leading edge innovation, this is your chance! Join our Power & Sensor Systems (PSS) division and apply now for your #PSSDreamJob!

We are offering positions for GaN technology development experts and project managers on all experience and seniority levels (there is no upper limit).

As **GaN Technology Development Engineer**, you will be able to bring in your semiconductor device, process as well as integration experience and rapidly further grow your expertise in novel semiconductor technology development and associated manufacturing.

As **GaN Project Manager** you will lead an international project team and be a role model by combining highest technical expertise with advanced project management skills in the development of next generation GaN discrete as well as integrated (GaN IC) technologies.

In all positions you will decisively contribute to the development of our next generation GaN wafer-technologies, ranging from device concept engineering, over process integration and reliability assessment to production ramp-up. You will be working in an expanding world-class team with global footprint.

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. Last but not least - you are keen to apply and develop your technical and social skills in the No.1 company for power semiconductors.

In general, you should fulfill the following **must-have criteria** :

At a glance

Location: **Villach (Austria)**
Job ID: **47063**
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:

Job ID: **47063**
www.infineon.com/jobs

Contact

Manuel Krebs

Talent Attraction Manager



- A university degree (master or above) in **Electrical Engineering, Physics, Material Science** or equivalent
- **3+ years of experience** in semiconductor testing, process or technology development, process integration, or production (Si, SiC, or GaN)
- Excellent **English** language skills, German skills are an additional advantage

If you can furthermore offer **at least 2 of the following desired skills**, we would like to strongly encourage you to apply:

- **GaN power device** expertise (ideally from pGaN normally-off HEMT concepts) in the field of **GaN device simulation** and modelling (TCAD) or **GaN wafer technology and processing (preferably from an industrial environment**, but also sound experience from a PhD or leading research institute is welcome)
- **Reference as key R&D engineer** in the development of Si, SiC, or GaN **wafer technology platforms**, including **monolithically integrated GaN technologies** or **Silicon IC^{*)} platforms**, e.g. Si power ICs
- Knowledge about the **GaN/AlGaN/pGaN material system** and corresponding GaN-on-Si epitaxy processes; knowledge about GaN epitaxy on other substrates is also welcome
- Expert in **layouting** and **test structure design**; skilled in pcell and DRC ^{**) programming, expert user of state-of-the-art layouting environments and design flows; in addition, good **programming skills**}
- Deep knowledge in **GaN device characterization and testing**, in particular on wafer level, including GaN specific topics such as dynamic Ron and switching properties
- **GaN reliability expertise** ranging from device and technology to package reliability assessment and qualification
- **Reference in project management** of leading-edge **semiconductor platform technology development** or **production ramp experience** of high-volume semiconductor technologies (Si, SiC)
- Expert knowledge in **systematic problem solving techniques (8D, 6sigma) and FMEA**; proof for the lead of at least three successful problem solving teams

^{*)}: IC = Integrated Circuit

^{**)}: DRC = Design Rule Check

We offer competitive salaries and additional benefits based on your performance, experience and qualification. The employment is in accordance with the collective salary and wage agreement for employees of the electrical and electronics industry, employment group G-J, depending on your expertise and skills (<https://www.feei.at/wp-content/uploads/2022/05/minimum-salaries-white-collar-workers-2022.pdf>). The monthly salary is paid 14 times p.a.

Benefits

- **Villach:** 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; Child care in Villach & Klagenfurt; 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

Why Us

Part of your life. Part of tomorrow.



We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

– Power & Sensor Systems (PSS) drives leading-edge power management, sensing and data transfer capabilities –

Infineon **PSS** semiconductors play a vital role in enabling intelligent power management, smart sensitivity as well as fast and reliable data processing in an increasingly digitalized world. Our leading-edge power devices make chargers, adapters, power tools and lighting systems smarter, smaller, lighter and more energy-efficient. Our trusted sensors increase the context sensitivity of “things” and systems such as HMI, and our RF chips power fast and reliable data communication.

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

At **Infineon in Villach** you shape the technologies of tomorrow and work in an international environment with colleagues from more than 70 nations. Your personal contribution will be valued and appreciated as the cornerstones of our success. And all that in beautiful surroundings which guarantee a high quality of life.

The **City of Villach** is located in the center of Carinthia, Austria’s southernmost province, in close proximity to the Italian and Slovenian border. Living in Austria has many social, health-care-related and economic perks. The country’s social and health care system is among the best in the world and for decades numerous international surveys have singled out Austria as a particularly safe and wealthy country with a high quality of life. Villach itself benefits from its status as a “small town”, offering everyday living at affordable prices in an outstanding setting.

Find out what you like most about Villach and join us:

<https://www.welcome2villach.at/>

** 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.*

