

Driving decarbonization and digitalization. Together.



Principal Engineer Technology Development (f/m /div)

Job description

As a Principal Engineer Technology Development you will develop concepts and approaches for new automotive MOSFET technology platforms. You will optimize device geometry and process flow and work in project teams across functions. You are familiar with working in a multicultural company and you like to work with different personalities - then we have the right job for you. Apply now and become part of the Infineon family.

In your new role you will:

- **Develop** new **automotive MOSFET technology platforms**
- Find and **develop innovative concepts** and approaches for new automotive **MOSFET technology platforms**
- **Ensure that new technologies are optimized** with respect to manufacturability and production costs
- Work effectively **across functions in project teams**
- **Communicate results** effectively to stakeholders
- **Optimize device geometry and process flow** to meet application and product requirements with the aid of:
 - TCAD simulation
 - Planning and analysis of experiments
 - Measurement and assessment of electrical results
 - Statistical analysis of test data

Profile

You are best equipped for this job if you have:

- **A PhD in Physics, Electronic Engineering** or a closely related discipline
- **Deep understanding of semiconductor device physics** and electrical operation of MOSFETs
- Experience with **power MOSFETs**
- Knowledge of **TCAD device** and **process simulation**

At a glance

Location: **Villach (Austria)**
Job ID: **HRC0545420**
Start date: **as soon as possible**
Entry level: **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: **HRC0545420**
www.infineon.com/jobs



Contact

Katharina Steiner
Recruiter



- The ability to **work independently** to achieve agreed goals and to work effectively in **large project teams**
- **Excellent English skills**, German as a plus

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 H-I (<https://www.feei.at/wp-content/uploads/2022/05/minimum-salaries-white-collar-workers-2023.pdf>). The monthly salary is paid 14 times p.a. We offer a higher compensation depending on your expertise and skills.

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

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.

At **Infineon in Villach** you shape the technologies of tomorrow and work in an international environment with more than 4700 colleagues from over 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/>

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.

