

Driving decarbonization and digitalization. Together.



(Senior) Staff Engineer Technology Development Si /SiC IGBT/Diode/MOSFET (f/m/div)

Job description

Are you passionate about technology and its potential to drive a sustainable future? Do you excel at leading innovative projects focused on developing cutting-edge Si and SiC technologies? Are you eager to gain hands-on experience by characterizing and testing the very devices you've helped create in the lab? If so, this is the perfect opportunity for you! Propel your career to new heights, and be a vital part of our unwavering commitment to forging a brighter, greener future. Chip in & apply now!

Your new role at a glance

- **Plan, design, perform** and **evaluate** process experiments for new technologies (including DoE's)
- Take responsibility for the **definition of required unit processes** for the technologies **including process stability assessments**
- **Joint technology development** with partner front end sites in **Malaysia**
- **Proactively collaborate** with R&D partners in all divisions, frontend & backend, unit process development, integration.
- Take responsibility for the **entire process chain (process of records)** from the bare substrate until the diced and measured die
- **Develop and characterize** new **process control structures and test structures** for electrical measurements to ensure a stable production
- **Coordinate physical/chemical/electrical analyses** to gain a deeper understanding of pot. failure modes within the technology

Profile

You are a **proactive individual** with a passion for **new technologies**, and are eager to join us on our quest to create a **more sustainable future** for everyone. You further define yourself through **clear communication**, **team player** and **leading qualities**.

To succeed in this role, you should have:

- A **Master's degree or PhD** in **Electrical Engineering, Physics, Electrochemistry** or comparable
- Several years of **working experience** in **semiconductor industry** (ideally R&D background, Si and SiC expertise preferred)
- A solid **technical background** and **expertise on semiconductor technologies** (frontend or backend processing and integration)

At a glance

Location:

Job ID: **HRC0928680**

Start date: **Oct 01, 2024**

Entry level: **1-3 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: **HRC0928680**
www.infineon.com/jobs

Contact

Lisa-Marie Linder-Goritschnig
Recruiter



- **Practical experience in performing electrical measurements** with power device analyzer/curve tracer and wafer probe stations
- **Good programming skills** (LabView, Python, MatLab, etc.), and experience in project management are a plus
- **Fluent English skills. German skills** are a plus

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

Why Us

#WeAreIn for driving decarbonization and digitalization.

As a global leader in semiconductor solutions in power systems and IoT, Infineon enables game-changing solutions for green and efficient energy, clean and safe mobility, as well as smart and secure IoT. Together, we drive innovation and customer success, while caring for our people and empowering them to reach ambitious goals. Be a part of making life easier, safer and greener.

Are you in?

– Green Industrial Power (GIP) empowers a world of unlimited green energy –

Power semiconductors play a crucial role in increasing efficiency and reducing energy losses along the whole energy conversion chain.

As the global leader in power semiconductors, Infineon GIP delivers pioneering products, solutions and services for smart and efficient energy generation, transmission, storage, and use. We strive to make this planet a greener place where sufficient energy is accessible to everyone – wherever and whenever it is needed.

[Click here](#)

for more information about working at GIP with interesting employee and management insights and an overview with more #GIPDreamJobs.

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. Due to its particular geographic location and the outstanding natural beauty of the region, Villach and the whole province of Carinthia have for generations been popular holiday destinations for people from all over the world. Living in Austria also 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 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.

