



Internship: Power electronics design engineer

Job description

We are looking for motivated and committed students (f/m/div)* who are willing to learn new things and work in a challenging environment. An exciting working environment characterises this internship as well as an attractive salary. Apply now for this internship in Villach and support our team.

The candidate is responsible to design a **high-power testbed** for Si-SiC devices using 3 phase DC-AC/AC-DC Back-to-Back configuration. The **3 phase DC-AC/AC-DC Back-to-Back** test set up is currently running with the available evaluation board. The responsibility is to extend the power rating of the test set up removing the present-day bottlenecks of passives, thermal and PCB. Furthermore, in your new role you will:

- Test **IGBT** and **SiC** of electrical performance and thermal performance
- Perform **thermal testing** of discrete devices
- **Test** typical **product behavior** in application environment
- Support **benchmarking** of IGBT and SiC activities

Further Information:

Type of employment: Temporary / Full-time (flexible working hours from Monday to Friday between 6 a.m. and 7 p.m.)

Duration: min. 6 months

Profile

You are best equipped for this task if you have:

- Completed 2 years of study in **Electrical Engineering** or similar
- Experience with **PCB design** and **power electronics simulation tools**
- Hands-on experience with power **electronics systems** and **analog circuits design** and **verification**
- Fluent **English** skills
- A strong interest to work in a **team** and are not afraid to share your own ideas to achieve the best results

This position is subject to the collective agreement for workers and employees in the electrical and electronics industry (full-time), employment group B for bachelor students, employment group D for master students (<https://www.feei.at/leistungen/informations-service/mindestlohne-und-gehalter-2020>).

At a glance

Location:	Villach (Austria)
Job ID:	339777
Start date:	as soon as possible
Entry level:	0-1 year
Type:	Full time
Contract:	Temporary

Apply to this position online by following the URL and entering the Job ID in our job search:

Job ID: **339777**
www.infineon.com/jobs

Contact

Nico Steinhauser
Student Talent Attraction Manager



Please attach the following documents (English or German) to your application:

- Motivation letter
- CV
- Certificate of matriculation at a university
- Transcript of records
- Highest completed educational certificate (Matura certificate for Bachelor students, Bachelor certificate for Master students)
- Reference letter

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.

Industrial Power Control (IPC) empowers a world of unlimited 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 IPC delivers leading products and solutions for smart and efficient energy generation, transmission and consumption. We strive to make this planet a greener place where sufficient energy is accessible to everyone – wherever and whenever they need it.

** 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.*

Infineon Hub - Connect. Create. Challenge.

The iHub at TU Wien represents an inspiring tech platform, networking area and event location, connecting Infineon Austria with tech experts, science specialists and young professionals.

Check out our upcoming events:

[Infineon iHub](#)

