



PhD Student Circuit Design Radar (f/m/div)*

Job description

The industrial doctorate at Infineon: Pursue a doctoral degree at a university and gain professional experience simultaneously - an ideal start for your career. Advance your research with us and profit from our vast network of doctoral candidates and the expertise of a university. Mentorship is handled by both professors and dedicated Infineon employees.

The tasks within the thesis will consist of:

- **Concept engineering**
- **Circuit design**
- **Lab verification**
- **Documentation and dissemination**

The learnings out of the thesis will be/lead to:

- **Deep understanding of analog/digital circuit design**
- **Feasibility study in preparation for use of novel concepts and circuits in future radar products**
- **Publications** (both in scientific journals and international conferences)

Profile

As the ideal candidate you:

- Are **eligible for a full-time PhD study**
- Have **graduated with a master's degree in electronics/electrical engineering, mechatronics or equivalent with a strong specialization in hardware/software co-development**
- Are a **highly motivated individual striving for in-depth understanding of product development in the semiconductor industry**
- Have a **deep background in hardware/software co-design**
- Are ideally already familiar with **chip-level circuit design**
- Possess a very **good command of English and German**

A doctoral student is a research enthusiast,

At a glance

Location: **Linz (Austria)**
Job ID: **325098**
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. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **325098**
www.infineon.com/jobs



Contact

Carmen Wernle
Talent Attraction Manager



- whose interests are scientific research combined with the passion for Infineon's innovative products and applications
- who enjoys working in an industrial environment in combination with an Infineon partner university
- who appreciates open communication and the contribution of an international environment and is thus an excellent candidate for a further academic or industrial career after completion of their thesis

Please attach the following documents to your application:

- Your CV
- Motivation letter
- Copy of your master degree certificate if already available
- Otherwise: copy of your latest study transcript

This position is subject to the collective agreement for workers and employ 3.000,00 gross p.m. (full-time basis).

Benefits

- **Linz:** 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; On-site social counselling and works doctor; Health promotion programs; 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.

About Infineon in Linz

Semiconductors are essential to realize key trends like eMobility, automated driving and secure, connected cars. Infineon Automotive (ATV) is the #1 semiconductor partner in the fast-changing automotive world, based on our system knowledge coupled with our passion for innovation and quality. We are a key driver in the ever-advancing pace of digitalization in the automotive industry. At our location in Linz we are focusing on high-frequency integrated switching circuits for automotive applications using state-of-the-art Bipolar/RF-CMOS semiconductor technologies as well as on complex mixed signal ICs that are used in high frequency radar applications (77/79 GHz). Automotive (ATV) shapes the future of mobility with micro-electronics enabling clean, safe and smart cars.

Linz is the third-largest city of Austria located approximately 30 kilometers (19 miles) south of the Czech border. It represents a symbiosis of industry, culture and nature - surrounded by stunning landscapes. As UNESCO City of Media Arts, Linz is also one of the world's most future-orientated locations together with Lyon, Sapporo, Tel Aviv and Dakar. Austria's social and health care system is among the best in the world and for decades numerous international surveys have singled out the country as a particularly safe and wealthy country with a high quality of life.

Find out more about Infineon Linz:

[Research & Development - Infineon Technologies](#)



Find out what you like most about Linz/Upper Austria and join us:
<http://www.come2upperaustria.com/>

** 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.*

