



SoC Digital Design Engineer - Laser Beam Scanning (f/m/div)*

Job description

Edwin Hubble's reflector telescope transformed the frontier of scientific knowledge and optics. This is your moment to reach for the stars and start working on our MEMS mirror that will expand AR optics into fashionable design. In an environment characterized by growth and innovative product development, our ATV (Automotive) division in Graz, Austria is looking for a talented Digital Design Engineer to work on cutting-edge technology and find solutions for our next generation Laser Beam Scanning (LBS) applications. Zoom in on your career and apply for your new dream job at Infineon Technologies.

As a **System-on-Chip (SoC) Digital Design Engineer**, you will not only be the technical owner of our prototype **Augmented Reality (AR) system**, but also improve our chipset through **continuous integration**. You are an electronic hero by design and are up for the challenge of combining **design, technical marketing, lab work and project management**.

Your new role includes:

SoC Implementation:

- **Digital Design & Implementation** on **FPGA based prototype platforms** for **LBS applications**
- **Proof of concepts** for **digital functionalities** and **embedded software development**
- **Interpretation of product requirements** to support **concept engineering** and **product specification**

SoC Continuous Integration:

- Owning the **LBS prototype/ demonstrator**
- Handling of **IP blocks** as part of **AR chip set**
- Support of **product verification** and **validation** in our laser lab
- Working in close cooperation with **designers, system architects, lab and test engineers, project management** and **technical marketing**
- Tracking and reporting as interface between pre- and post-silicon-development towards project management

Profile

At a glance

Location: **Graz (Austria)**
Job ID: **357322**
Start date: **as soon as possible**
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:

Job ID: **357322**
www.infineon.com/jobs

Contact

Lisa-Marie Linder-Goritschnig
Talent Attraction Manager



You live up to **high quality standards**, strive for continuous improvement and you develop and implement effective solutions. As a **true team player**, you cooperate across boundaries and contribute with your **hands-on** and **detail-oriented mentality**.

You are best equipped for this job if you have:

- A **University / University of Applied Sciences Degree (Master)** in **Electrical Engineering , Computer Science or comparable**
- Ideally **3+ years of practical experience** in the field of **Digital Design**
- Broad interest in all disciplines of **Chip Development**
- Coding Skills with **System Verilog** and **C/C++**
- Knowledge about **FPGA implementation** is a strong plus
- Experience with **scripting languages** like **Python**
- A creative and solution-oriented mindset
- 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/wp-content/uploads/2022/05/minimum-salaries-white-collar-workers-2022.pdf>). A higher payment is negotiable depending on your expertise and skills.

Benefits

- **Graz:** 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; Discounted lunch possibilities; Private insurance offers; 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.

– Automotive (ATV) shapes the future of mobility with micro-electronics enabling clean, safe and smart cars –

Semiconductors are essential to realize key trends like **eMobility, automated driving** and **secure, connected cars**. Infineon 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.

For more information about working at ATV with interesting employee and management insights and an overview with more #ATVDreamJobs

[Click here](#)



The **Development Center** of Infineon in **Graz** is working on leading edge contactless, security and sensor technologies. Whether we are talking about the Near Field Communication (NFC) transmission standard, vehicle components for Radar, optical distance measurements or 3D image sensor chips for Augmented Reality and Virtual Reality – our Development Center is a driving force in innovations in security, mobility, and the Internet of Things.

**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.*

