



Principal System Application Engineer for 3D Imaging (f/m/div)*

Job description

Make your mark on linking the physical and the digital! Our Power & Sensor Systems (PSS) division is working on bringing “human” senses to IoT devices so that they can react to their surroundings – through pressure and radar sensors, imagers, and microphones. Inspired by digital transformation, our sensor solutions emulate the five human senses in electronic devices, such as smartphones or digital assistants, and enable seamless interaction with users. All of this is made possible by great talents that are inspired to make this vision a reality. Chip in now and start to shape your own reality at our PSS division!

Our design team in Graz **develops high performance 3D imaging products** for different **machine vision applications** in automotive, consumer and industrial markets. The technical marketing team provides the application-related **next generation product & system requirements** to the product design teams, **develops product evaluation & demonstration kits**, accompanying **user documentation** and **supports our customers** in their **own product design phase** using Infineon imaging sensor ICs. **It's a job you can grow with and deepen skills.**

In this job you will:

- Provide **technical content** for our **application roadmap** as well as **application descriptions** and **block level diagrams**
- Design **electronic circuit** and **PCB hardware**
- Characterize state of the art **TOF sensor** with high-end equipment
- Closely **interact** with our **customers** worldwide to discuss **new requirements** and to provide **customized solutions** (technical customer support, design reviews)
- Provide the **necessary technical documentation**

Profile

As a **System Application Engineer**, you love **technology** and working on **new products** with **customers**. In many cases, you are even a step further than customers, aiming to deliver solutions to problems they haven't even started thinking about. You **cooperate** across **boundaries** and appreciate the contributions of other people and concentrate your **creativity** and **knowledge** on producing results with **real added value**. You don't shy away from challenges and are ready to take on the high requirements the job presents.

You are best equipped for this task if you have:

At a glance

Location: **Graz (Austria)**
Job ID: **350891**
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:

Job ID: **350891**
www.infineon.com/jobs

Contact

Lisa-Marie Linder-Goritschnig
Talent Attraction Manager



- A **Master's Degree** in **Electrical Engineering, Mechatronics, Informatics** or similar (University / University of applied sciences)
- **5+ years** of relevant working experience in **application engineering, semiconductor product development** or similar functions with **strong customer exposure**
- Experience in **hardware design** (incl. PCB design), **optical** and **electronic measurements** and **Python scripting**
- Know-how in **embedded system design, microcontroller interfaces (I2C, SPI, UART etc.)** and experience in **microcontroller programming**
- Knowledge or skills in **imaging hardware design** (e.g. hardware design for 2D cams) and **laser safety** are an advantage
- Knowledge and experience with **Image Signal Processors (ISP)** and **digital image processing** are an asset
- Strong interest to take a **deep dive** in **3D optoelectronic topics**
- **Willingness to travel**
- Fluent in **English**. 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 H-I (<https://www.feei.at/leistungen/informations-service/mindestlohne-und-gehalter-2020>). 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.

– Power & Sensor Systems (PSS) drives leading-edge power management, sensing and data transfer capabilities –

Infineon **PSS** semiconductors play a vital role in enabling intelligent power management, smart sensitivity as well as fast and reliable data processing in an increasingly digitalized world. Our leading-edge power devices make chargers, adapters, power tools and lighting systems smarter, smaller, lighter and more energy-efficient. Our trusted sensors increase the context sensitivity of “things” and systems such as HMI, and our RF chips power fast and reliable data communication.

For more information about working at PSS with interesting employee and management insights and an overview with more #PSSDreamJobs

[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 .***

