



Principal System Concept Engineer (f/m/div*)

Job description

You are a proven expert in the semiconductor area. If you are looking for a new chance to invest your knowledge and skills within an innovative and future driven environment of high-class pressure sensors for smartphones and watches, take the opportunity and apply today! Your involvement in many functional disciplines such as Marketing, ASIC /MEMS/Package design, lab verification, Manufacturing, Quality, and other product groups will be an exciting chance for your personal growth and responsibility as well as for the company's success.

As a **Principal Product Engineer**, you will be part of a highly skilled, multidisciplinary, and **international development team**. You will be responsible to **lead the concept engineering** activities and act as **key interface** for **customers, technical marketing, component & system verification**. In this **respectful & high performance environment** you shall drive our **technical innovation** to a **leading edge products** on the market.

In your new role you will perform the following tasks:

- **System Knowledge:** Develop and apply system expertise in a given application area to define next generation pressure sensors
- **Architecture & Hardware design:** Follow a holistic design approach to first **break down** the **customer requirements** into an **architecture** and then perform a partitioning into MEMS, ASIC (analog & digital), and package requirements
- **System Modelling:** Develop and maintain **end-to-end system simulations** that include **sensor models and circuit components** to analyze the potential solutions & algorithm
- **Algorithm:** Optimize backend **calibration mechanism** reducing test time and cost
- **Customer Interactions:** work with business units to engage with customers, demonstrate system knowledge and provide system support
- **Problem solving:** For critical items **coordinate the design/measurement activities** and actively drive the problem-solving process

Profile

As a true team player, you treat your colleagues with respect and trust. You can **convince** with a **structured and precise way of working**. You are a **good networker** and have strong **communication** and solid **problem-solving** skills and a **strong focus on quality**. You like to collaborate with different stakeholders over different sites.

You are best equipped for this task if you have:

At a glance

Location: **Graz (Austria)**
Job ID: **359522**
Start date: **Sep 01, 2022**
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: **359522**
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Contact

Lisa Linder-Goritschnig



- University Degree (Master) **Electrical** or **Computer Engineering** or comparable
- **Signal processing algorithm** design experience
- Proficient **communication & presentation** skills
- Knowledge of **Matlab/Simulink**
- **Experience** with **sensors, MEMS**, and/or package is beneficial
- **Fluent English** skills with German as a plus

This position is subject to the collective agreement for workers and employees in the electrical and electronics industry, employment group I (<https://www.feei.at/leistungen/informations-service/mindestloehne-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.

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

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.

[Click here](#)

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

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.*

