(Lead) Principal Use Case Design for UWB Technology (f/m/div)

Job description

Embark on a thrilling journey at Infineon Technologies, a trailblazer in Security, NFC, Radar, and Wireless Technology, as we push the boundaries of short-range secure ranging and sensing through visionary investment in Ultra-Wideband (UWB) technology. Let's create a UWB-powered world, unveiling wonders beyond the capabilities of contactless technologies. Chip in & apply now!

Taking on your new role, you will be at the forefront of **designing** and **validating** innovative **algorithms** for exciting **use cases**. Your expertise in **IC architectural implications** and your ability to evaluate and implement both **ML** and **classical Signal Processing concepts** will be crucial. Beyond borders, you'll collaborate with brilliant minds from various Infineon sites, shaping **strategic roadmaps** and a **product portfolio** that impacts the world.

Your new role at a glance:

- Design and validate **use cases** and **use case-specific algorithms** (e.g., Ranging, Access, Sensing) and associated concepts
- Define **requirements** and develop **system models**, ensuring integration across higher and lower layers
- Address **IC architectural implications** (e.g., DSP versus controller)
- Evaluate and implement **ML** and **classical Signal Processing concepts**
- Implement **algorithms** using Matlab, Python, C, or equivalent languages
- Contribute to **standardization** efforts

Profile

You embody a unique combination of **technical prowess**, and a **passion for innovation**. Additionally, you possess **exceptional communication** and **collaboration skills**, fostering strong relationships with **cross-functional teams** and **stakeholders**.

Your toolkit for success includes:

- A university degree in **Electrical Engineering**, **Microelectronics**, **Physics** or a related field
- A minimum of **5+ years of solid expertise** in **UWB system design** and **architecture**, demonstrating a proven track record of success
- Sound experience in the area of **UWB systems**; BLE - RF is of advantage
- Proficiency in the **design of automotive applications** is an asset

At a glance

Location:	
Job ID:	HRC0395054
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. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **HRC0395054**
www.infineon.com/jobs

Contact

Lisa-Marie Linder-Goritschnig
Recruiter

- **Fluency 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 I (https://www.feei.at/wp-content/uploads/2022/05/minimum-salaries-white-collar-workers-2023.pdf). A higher payment is negotiable depending on your expertise and skills. 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

Driving decarbonization and digitalization. Together.

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

– CSS Connected Secure Systems delivers security for the connected world –
In today's digital world, where more "things" and systems are connecting, hardware-based security is a core need. Infineon CSS is the leading provider of security solutions for the connected world. We make life easier, smarter and more secure with our trusted, game-changing security solutions covering applications as diverse as payment, government ID, connected cars and IoT.

Click here
For more information about working at CSS with interesting employee and management insights and an overview with more #CSSDreamJobs.

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.

We are on a journey to create the best Infineon for everyone.
This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant´s experience and skills.
We look forward to receiving your resume, even if you do not entirely meet all the requirements of the job posting.
Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.
More about diversity & inclusion at Infineon at https://www.infineon.com/cms/en/careers/diversity-and-inclusion/