Driving decarbonization and digitalization. Together.

Senior Digital Design Engineer for UWB (f/m/div)

Job description

Digital design is not just an abstract term for you, but your daily tool of the trade? You have technical expertise in chip design, creating a chip from RTL to netlist, and you are eager to share this with your colleagues? As Senior Engineer for UWB, you will be, together with a strong team, responsible for ensuring that our UWB IP meets the specified requirements in all modes and configurations.

With this position you will be entering our "Technical Ladder": our career path for experts. You will be able to focus deeply on technology – while further pursuing your career. As you continually expand your expert knowledge, puzzle over matters and solve problems, you will position yourself as a thought leader – thus helping our products improve our world a bit more each day.

In your new role you will:

- Collaborate with system designers on **system digital and mixed-signal requirements' specifications** for **UWB baseband** and **analog** features
- Define **corresponding micro-architecture** and implement **low-power synthesizable RTL** using cutting edge tools
- Evaluate **performance trade-offs** and propose **innovative improvements** to existing UWB features
- Lead in an independent manner complex **sub-projects digital and mixed signal development** comprehensively and ensure a smooth work process and **high-quality verification signoff**
- Proactively drive the **improvement of existing IPs** and **d esign flows**
- Contribute to the **team's growth** by helping others in a day-to-day basis

Profile

You create a work environment for the highest quality standards. At the same time, you ensure that your ideas come to their full potential and implementation. You commit yourself to the results of your own team and the company as a whole. Last but not least, you are able to cooperate across borders while valuing the contributions of others.

You are best equipped for this task if you have:

- A **Master's or PhD** degree technical degree in **Electrical Engineering**, **Computer Science**, or comparable. PhD in a related field is a plus
- At least **5 years of professional or academic experience** in the field of **digital, mixed-signal design**

At a glance

Location:	**Zurich (Switzerland)**
Job ID:	**HRC0950077**
Start date:	**as soon as possible**
Entry level:	**3-5 years**
Type:	**Full time**
Contract:	**Permanent**

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Job ID: **HRC0950077**
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Contact

Inês Santos
Recruiter

- Strong design skills in **SystemVerilog** and a track record in developing **integrated circuits**
- Experience in the field of **h ardware accelerators** and co-design between hardware and **RISC-V** or **ARM** based **embedded microcontrollers**
- Experience with **signal processing**, ideally for **wireless communications** or **machine learning** (e.g., Bayesian Neural Networks)
- Tape out experience in **advanced technology nodes**: experience with **UPF** flow, **synthesis**, **timing analysis** and **place-and-route** is a plus
- Proficient verbal and written communication in **English**, precise and clear **documenting methodology**.

In addition, you:

- have high degree of **own initiative** and interest for **interdisciplinary work**

- have strong interest in **growing your expertise** in digital wireless systems and implementation

- approach problems with **curiosity and flexibility**, are a good **listener**, fast **learner** and take **responsibility**

Please send us your CV in English.

Why Us

#WeAreIn for driving decarbonization and digitalization.
As a global leader in semiconductor solutions in power systems and IoT, Infineon enables game-changing solutions for green and efficient energy, clean and safe mobility, as well as smart and secure IoT. Together, we drive innovation and customer success, while caring for our people and empowering them to reach ambitious goals. Be a part of making life easier, safer and greener.
Are you in?

– Connected Secure Systems (CSS) is at the heart of the IoT –

The CSS division provides end-to-end systems for a connected, secured world – building on trusted, game-changing microcontrollers as well as wireless and security solutions. CSS delivers microcontrollers plus Wi-Fi, Bluetooth® and combined connectivity solutions (known as connectivity combos) along with hardware-based security technologies to power the broadest application spectrum spanning consumer electronics, IoT devices, cloud security, IT equipment, home appliances, connected cars, credit and debit cards, electronic passports, ID cards, and more. The division is at the forefront of computing, wireless connectivity, and trusted technologies that are helping to securely connect the networked systems of today and tomorrow.
Click here for more information about working at CSS with interesting employee and management insights and an overview with more #CSSDreamJobs.

– At our R&D center in Zurich we develop next generation UWB solutions –

Ultra-wideband (UWB) is emerging as preferred chip technology for secure, centimeter accurate and reliable distance measurement for numerous applications across including car access, door access in residential and hospitality, tap-free mobile payments and real-time localization systems (RTLS), among many others. In addition, new UWB standards are being developed such as IEEE 802.15.4ab bringing UWB technology into new domains for child safety and lossless audio streaming.

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.

Click here for more information about Diversity & Inclusion at Infineon.