Engineer Technology Verification – Metrology and Automatization (f/m/div)

Job description

What if every car could display valuable data on the whole windshield to securely guide you through the traffic? What if your wristband could provide valuable health parameters employing ultrasonic sensing? We at Infineon are revolutionizing augmented reality and health tracking with Infineon's new MEMS-based actuators. With this position, you will enter our "Technical Ladder" career path. The Technical Ladder is a special career path for those who share innovative ideas, demonstrate comprehensive technical knowledge, show thought leadership, possess problem solving abilities and are able to create business value.

In your new role you will:

- Work with **a team of experienced MEMS design and process experts** on the development of cutting-edge MEMS technologies
- **Design, operate and automatize laboratory setups** for technology verification and device experiments of novel **MEMS technologies** (such as electrostatic micromirrors, capacitive or piezoelectric ultrasound transducers, oscillators)
- **Drive automatization and scaling of long-term stability investigations**
- Take ownership of **automatization and customization routines of e.g. temperature characterization**
- **Analyze and interpret the data** you have created, prepare and **present your results** within the development team
- Have a close **cooperation** with the **MEMS fabrication and design** and system team and external partners in (pre)development and funding projects
- Contribute to the **company's intellectual property** portfolio by patent applications in a highly innovative field

Profile

As a true team player, you treat your colleagues with respect and trust and establish good connections quickly. You can convince with a structured and precise way of working. You have strong and concise communication and solid problem-solving skills and a focus on quality. Furthermore, you have a hands-on and pragmatic working attitude, with focus on "getting the job done". A strong sense of own initiative is important.

You are best equipped for this task if you have:

- A degree in **Electrical Engineering, Computer Science, Mechatronics Engineering, Physics** or similar fields, PhD is a bonus

At a glance

Location:	
Job ID:	**HRC0876538**
Start date:	**Oct 01, 2024**
Entry level:	**3-5 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: HRC0876538
www.infineon.com/jobs

Contact

Theresa Albrecht
Recruiter

- About **3-5 years of relevant work experience,** particularly in **measurement automatization of experimental set-ups**, in research and/or industry
- Experience in **prototyping of sensor systems** using reconfigurable architectures (e.g. FPGA implementations)
- Profound **competence in automatization, instrumentation and embedded software** (VHDL, Verilog, C++, Matlab/Python)
- Knowledge in **PCB and analog design as well as LabVIEW** would be a bonus
- **Interest in underlying physical concepts** relevant to the field of MEMS sensors and actuators
- Excellent proficiency in **English**, German is a plus

Benefits

- **Munich:**

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?

– Automotive (ATV) shapes the future of mobility with microelectronics enabling clean, safe, and smart cars –
The ATV division is shaping the future of mobility by enabling clean, safe, and smart cars. Its product and solution offering is powering the decarbonization and digitalization of vehicles. By driving the transition to hybrid and purely electric vehicles, ATV is making a valuable contribution to cleaner roads. ATV is also increasingly digitalizing cockpit, infotainment, comfort, and lighting applications as it takes automated driving to the next stage with higher levels of connectivity, security, and safety.
The ATV portfolio integrates sensors, microcontrollers, high-performance memories for specific applications, power semiconductors based on silicon and silicon carbide, as well as components for human-machine interaction and vehicle connectivity. Infineon is the world leader in automotive semiconductors.
Click here for more information about working at ATV with interesting employee and management insights and an overview with more #ATVDreamJobs.

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.