Power Signoff Staff Engineer for Automotive Microcontroller (f/m/div)*

Job description

You are interested in Chip-implementation and Chip-Design or do even have some experience in that field? You enjoy technically complex product development and you like to shape actively the future of our Microcontroller product families? Join our Power Architecture Team within Automotive Microcontroller and support us to create low power devices. This position is part of our technical ladder: 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:

- **Verify product requirements** in terms of power consumption, voltage drop and electromigration using our state-of-the-art EDA tools and flows
- **Cooperate closely** with other expert groups to develop power aware chips and make our designs robust against voltage drops
- **Become an expert on power signoff of CMOS and FinFET technologies**, understand specific requirements and fulfill them together with our teams
- **Simulate our highly complex Automotive Microcontroller Designs** to ensure low power consumption and correct functionality in terms of voltage drops
- **Correlate power signoff data** to existing hardware
- **Contribute** to the continuous improvement of our power analysis methodology

Profile

As a true team player, you know how to cooperate across boundaries and appreciate the contribution of other people. Thereby, you are aware of and show consideration for cultural differences, treating your co-workers and partners with trust and respect. You conscientiously work on making things better, faster and more efficient while concentrating your creativity and knowledge on producing results with real added value?

You are best equipped for this task if you have:

- A degree in **Electrical Engineering, Microelectronics** or a similar field
- At least **3 years of working experience within semiconductor industry** preferably in power analysis and verification and/or in digital chip design
- **Programming skills and knowledge in scripting** languages e.g Tcl, Perl or Python
- Hands-on **experience in EDA tools** from Synopsys, Cadence or Ansys is a plus

At a glance

Location:	**Munich (Germany)**
Job ID:	**342105**
Start date:	**as soon as possible**
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:

Job ID: 342105
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Contact

Daniel Lichtblau
Talent Attraction Manager

- Basic **knowledge in SoC architecture development** is beneficial
- **Fluent English skills** (written and spoken), German will be an added advantage

Benefits

- **Munich:** 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; Sabbatical; Creche and kindergarden with 180 spots and opening times until 6pm; Holiday Child Care; On-site social counselling and works doctor; Health promotion programs; On-site gym, jogging paths, beachvolleyball, tennis and soccer court ; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement; Performance bonus; Cheaper ticket for public transport and very own S-Bahn station; 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.

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Automotive (ATV) shapes the future of mobility with micro-electronics enabling clean, safe and smart cars –
Semiconductors are essential to realize key trends like eMobility, automated driving and secure, connected cars. Infineon ATV is the #1 semiconductor partner in the fast-changing automotive world, based on our system knowledge coupled with our passion for innovation and quality. We are a key driver in the ever-advancing pace of digitalization in the automotive industry.
Microcontroller

The Infineon business segment **MC** (Microcontroller) is strongly growing with latest TriCore Microcontroller generation AURIX, offering latest innovation in performance, connectivity, power consumption, safety and security. Furthermore, the key application segments are targeting segments with high innovation potential and highest market growth such as Advanced driver Assistant systems. As part of the automotive business unit the focus of MC is on the requirements of the automotive market from motor cycle to truck applications. # **AutomotiveMicrocontroller**

Click here for more information about working at ATV with interesting employee and management insights and an overview with more #ATVDreamJobs.

** 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.*