Principal Engineer SoC Design (f/m/div)*

Job description

Are you interested in complex technical topics and passionate about developing cutting edge Automotive Microcontrollers and SoCs? Would you enjoy being part of the #1 semiconductor company in the fast-changing automotive world? Then, we have the right challenge for you at Infineon's headquarter in Munich or Design Center in Langen. Apply now to join us as a Principal Engineer SoC Design. With this position you will be in 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. This position can be filled in Munich or Langen.

In your new role you will:

- **Take over the technical leadership for designing highly complex automotive SoC designs** in a multi-site organization covering all aspects of Physical SoC Design.
- **Translate requirements into layout specifics** using our state-of-the-art EDA tools and flows.
- **Work independently in different phases of the RTL2GDS flow**: *with focus on Hierarchical Floorplanning, Placement, Clock Tree Synthesis, Routing and Power Mesh for efficient Timing Closure and Sign off including Signal Integrity.*
- **Take physical limitation** of hierarchical deep sub-micron FinFET designs into account.
- **Tap your experience** to contribute significantly to the hierarchical SoC architecture definition and implementation of clocking architectures.
- Be a member of an expert network and **drive innovation, methodology and flow topics** in your domain for next generation SoC Development.

Profile

You take on new challenges without knowing the right path to an eventual solution in advance. You cooperate across boundaries and appreciate the contributions of other people. You work conscientiously on making things better, faster, and more efficient.

You are best equipped for this task if you have:

- A degree in **Electrical Engineering, Microelectronics** or a similar field.
- At least **6 years of solid experience in SoC Physical Design** - especially in Floorplanning of complex hierarchical FinFET SoC designs.
- Insights into **technical leadership** in physical design projects.
- Sound **programming skills and knowledge in scripting languages** like Tcl, Perl or Python.

At a glance

Location:

Job ID: **343885**

Start date: **Aug 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: **343885**
www.infineon.com/jobs

Contact

Daniel Lichtblau
Talent Attraction Manager

- Solid **experience in RTL coding.**
- Understanding of **Functional Safety** (optional)
- Ability to quickly **learn advanced design methodologies** of complex SoCs.
- **Fluent English language skills** – with German being an added plus.
- **Be a team player** while taking and acting on responsibilities.

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.