



Staff Engineer Physical SoC Design for Automotive Microcontroller (f/m/div*)

Job description

Are you looking for the next step in your career? Then join our Physical SoC Design team as an Expert and Engineer for Synthesis and Place and Route. Here you will develop state-of-the-art SoC products for all of our Automotive division. Bring in your experience and build up an expert network across sites and departments! 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:

- Take over **technical tasks for highly complex designs** in a multi-site organization covering all aspects of Physical SoC Design.
- Be **strong contributor for the physical design of multifarious digital SoCs**.
- **Translate requirements into timing constraints** using our state-of-the-art EDA tools and flows.
- Work as team member in **different phases of the RTL2GDS flow**: With focus on the generation of **Floorplans, Placement, Clock Trees and Routing** for efficient **Timing Closure** and **Sign off** including **Signal Integrity**.
- Take physical limitation of hierarchical **deep sub-micron designs** into account
- Support **innovation, methodology and flow topics in the SoC Floorplanning and Top-Level Timing Closure domain** within an expert network

Profile

We are looking for your expert knowledge and the willingness to share it. In that manner you will get to know other technical experts and build up strong international relationships.

You are best equipped for this task if you have:

- A **university degree in Electrical Engineering, Microelectronics** or a similar field
- At least 3 – 5 years of working **experience in Physical Design** of SoCs – gaining knowledge in **Synthesis, Place & Route and Timing Closure**
- Insights into **technical aspects** in physical design projects

At a glance

Location:

Job ID: **351111**

Start date: **Aug 01, 2022**

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: **351111**
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Contact

Nadine Patriarca Roth
Talent Attraction Manager



- Sound **programming skills** and knowledge in **scripting languages** like Tcl, Perl or Python
- Basic experience in **RTL coding**
- **Fluent English language skills** – with German being an added plus

Why Us

Part of your life. Part of tomorrow.

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

– Automotive (ATV) shapes the future of mobility with microelectronics enabling clean, safe, and smart cars –

Our semiconductors are essential for supporting the automotive megatrends: electromobility, automated driving, connectivity, and advanced security. They link the real and the digital world, driving the ever-advancing pace of automotive digitalization. Infineon **ATV** is the number one semiconductor partner in the fast-changing automotive world, based on our system knowledge and our passion for innovation and quality.

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

Automotive Microcontroller: We make cars clean, safe and smart

As a leading automotive microcontroller vendor, the Infineon business line **Automotive Microcontroller** (ATV MC) offers the industry's most comprehensive vehicle microcontroller portfolio and complements it with software. We serve automotive key applications, such as powertrain, advanced driver assist, chassis, body, instrument cluster and infotainment. We also address high-performance dependable computing, real-time domain and zone control, smart sensing and affordable artificial intelligence (AI) applications enabling the next stages of automated driving as well as higher levels of car connectivity, digitalization and security.

Being at the core of this transformation, ATV MC contributes to shape the future of mobility enabling clean, safe and smart cars. So join us to create a better future together.

[#AutomotiveMicrocontroller](#)

** 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.*

