



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

Job description

Infineon is one of the major global companies for semiconductors developing products that are essential to shape our future mobility. High performance Physical Design using newest automotive semiconductor technologies is key to enable these products. Do you want to be part of this challenge? Then join our team as a Technical Lead Engineer for Physical Design. Bring in your experience and work with a team of experts across Infineon's sites and departments. 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:

- **Take over the technical leadership for the physical design** of highly complex digital designs
- **Translate product requirements into physical implementations** using newest automotive semiconductor technologies
- **Work independently on different phases of the RTL2GDS workflow** using state-of-the-art EDA tools like Synthesis, Floorplans, Clock Tree Design, Routing, Static Timing Analysis and efficient Sign off
- Master the challenges of **hierarchical deep sub-micron designs**
- **Analyze technical problems** and drive issue resolution with various colleagues from other departments
- **Create an expert network and drive innovation**, methodology and continuous improvement of our work flow

Profile

You have a clear notion of how innovation contributes to the commercial success of the company while feeling responsible for your own doing and your decisions. You are actively looking for the ideal solution and engage in professional debates with the relevant people, instead of accepting rash compromises.

You are best equipped for this task if you have:

- A **degree in Electrical Engineering**, Microelectronics, Physics or a similar field
- At least **6 years of experience in Physical Design** of highly complex SoCs - with experience in Synthesis, Place & Route and Timing Closure
- Proven **technical leadership** in physical design projects
- **Programming skills and knowledge in scripting languages** like Tcl, Perl or Python
- Basic **experience in RTL coding**

At a glance

Location: **Duisburg (Germany)**
Job ID: **349762**
Start date: **as soon as possible**
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: **349762**
www.infineon.com/jobs

Contact

Daniel Lichtblau
Talent Attraction Manager



- **Team oriented** and structured working style
- 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.

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At EPOS we develop highly complex embedded microchips for different applications –

We develop at the Design Center in Duisburg together with other Infineon teams high complex microelectronic products that shapes the future of all.

As part of Infineon's central R&D organization „**Design Enabling and Services**“ (DES) our special focus in Duisburg is on the development of high-end automotive products that shape our future mobility.

We also have a great work environment with a multicultural team on-site and many contacts to Infineon locations worldwide that make your day exciting.

** 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.*

