



Architecture Performance Lead (f/m/div)*

Job description

Have you heard of Infineon's ambitious masterplan to develop our next hybrid automotive microprocessor-microcontroller generation? Do you want to shape the future of smarter, safer and connected cars by solving complex technical challenges? Then we have a great opportunity for you! As our Architecture Performance Lead you will act as a key driver in our new Platform Architecture Team to define the architectural performance requirements of our novel automotive platform. With this position you will be entering 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, Duisburg or Langen.

In your new role you will:

- **Own the architecture performance requirements** of our **next generation hybrid microprocessor / microcontroller products**
- **Derive the specific performance requirements** from market and application requirements
- **Analyze what competition offers and contribute to differentiate**
- Profile and benchmark the **performance of architecture options**
- **Provide performance data for architecture options** together with a **simulation and emulation team**
- **Develop suitable methodologies** to get those data from SystemC simulation or FPGA emulation using existing set-ups or developing new ones
- **Define performance use cases** together with application experts and **derive test case definitions** contributing to simulation or emulation work
- **Document the results** in a systematic way and **present results** so that they are easy to understand at different level of abstractions and to different audiences

Profile

You have a clear notion of how innovation contributes to the commercial success of the company, you constantly gain new insights by questioning existing assumptions and you inspire others for your ideas explaining even complex issues in a clear and convincing manner? Furthermore, you accept responsibility for decisions and for their positive or negative outcomes taking on new challenges without knowing the right path to an eventual solution in advance. If you remain aware of the big picture even in complex situations and take decisions despite uncertain circumstances, then you should join our team!

You are best equipped for this task if you have:

At a glance

Location:	Duisburg (Germany), Munich (Germany), Langen (Germany)
Job ID:	322196
Start date:	immediately
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: **322196**
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Contact

Nadine Patriarca Roth



- At least **15 years of experience in the development of complex embedded SoCs**
- Solid experience with **functional modelling or performance modelling** of SoC architectures with SystemC
- Solid experience in **product performance profiling** or **benchmarking** of complex embedded SoCs, microprocessors or microcontrollers
- A **profound understanding of high-performance embedded computing architectures** including HW-SW aspects
- The ability to **understand complex use cases** and to **identify the differentiating essentials**
- Knowledge of **Automotive Applications and E/E architectures**, incl. **Functional Safety** and **Security experience** (e.g. development according to ISO26262 or ISO21434)
- The drive **to excel in product performance** and **deliver best in class products**
- A passion for improving solutions
- **Fluent English** communication skills

