



Senior Staff Engineer Digital Design (f/m/div)*

Job description

Are you an experienced Digital Design Engineer passionate about the Automotive field? Do you want to continue to grow and work in the #1 semiconductor partner in the fast-changing Automotive world? Then, we have the right challenge for you in our R&D Center in Padova as a Senior Staff Engineer in Digital Design.

As a Senior Staff Engineer in Digital Design, you will work closely with Project Managers and Concept Engineers to define the architecture and perform implementation of Power Management ICs for Automotive applications.

In your new role you will:

- Contribute to **product feasibility** studies and **product architecture**;
- Contribute to **chip top level concept partitioning** and interfaces definition of digital and analog/mixed-signal blocks;
- Contribute to **DFT concept** and integration system architecture;
- Perform **RTL design** and **design constrains** providing documented compliance to performance and quality requirements;
- Support **R2G flow** and activities guaranteeing **RTL code synthesis feasibility**;
- Generate **Design Documentation Reports** and participate on **Design Reviews**;
- Drive **risk assessment**, **risk management** and **Design/Product FMEAs**;
- Drive preparation of **product level verification** and **validation plans** as well as work with Test Engineers in defining the product test plan;
- Execute product validation and **debugging activities** with Product, Quality and Test Engineering up to production ramp-up;
- Contribute to **Design Methodology improvements**.

Profile

High-quality standards are part of your daily life. You act fast and strive for continuous improvement. You are a problem solver with great analytical skills. Furthermore, you have a collaborative mindset and good communication skills, since you work closely with colleagues across the organization.

You are best equipped for this role if you have:

- A Master **Degree in Electronic Engineering** or similar field of studies with specific knowledge of **microelectronic devices and related digital circuit design**;
- At least **5 years of experience in digital design** implemented on sub-micron technologies;

At a glance

Location: **Padua (Padova) (Italy)**
Job ID: **336390**
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:

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Contact

Ana Rita Costa
Talent Attraction Manager



- Solid experience with **hardware description languages**, such as SystemVerilog and VHDL;
- In-depth knowledge of common **design tools**;
- Solid understanding of **Unix OS and scripting languages**, such as Perl or Python;
- **Fluency in English**.

It is an advantage if you have:

- Experience with DFT;
- Knowledge of analog & mixed-signal IC architectures and integration requirements;
- Experience in complete RTL to GDS flow;
- UVM methodology knowledge;
- Knowledge of Requirements Management methodologies.

Benefits

- **Padua (Padova):** 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 Time; Part-time work possible; Medical coverage; On-site canteen; Wage payment in case of sick leave; Corporate pension benefits; Performance bonus; 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.

– 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.

** 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.*

