

Driving decarbonization and digitalization. Together.



Analog & Mixed-Signal Verification Engineer (f/m /div)

Job description

Do you have experience in Analog & Mixed-Signal Verification or want to grow in this field? Do you want to be part of a team who shapes the future of mobility with products and solutions that make cars clean, safe and smart? Then, we have the right challenge for you at our R&D Center in Padova! We are dedicated to pushing the boundaries of technology to enhance the efficiency and performance of automotive systems. We are currently seeking a highly motivated Analog & Mixed-Signal Verification Engineer to join our dynamic team and contribute to cutting-edge projects in the automotive industry.

As an Analog & Mixed-Signal Verification Engineer, you will be responsible for the overall analog/mixed-signal (AMS) verification, contributing to the success of the project team for the development of Integrated Circuits for Automotive applications. Your work will involve collaborating closely with other teams to develop high-performance solutions.

In your new role you will:

- Perform **top-level verification of analog / mixed-signal devices**
- Plan, implement, and maintain the **requirements tracing flow, documents and database**
- Be responsible for the **blocks/modules' signoff**
- Be responsible for the **system partitioning and simulation strategy** (transistor level, behavioral level, digital gates)
- **Work closely with design and concept engineering** teams in order to achieve very high-quality deliveries
- Constantly **align with digital and post-silicon counterparts** to achieve the highest synergies in targets, implementation, and methods
- Contribute to the **feasibility study, specification, and testing concept**
- Create **reports and technical documentation**
- **Plan & track tasks**, including effort estimation

Please note that we offer a permanent external contract (staff leasing / "somministrazione a tempo indeterminato") with potential future conversion into a permanent one directly with Infineon.

Profile

With your curious and enthusiastic approach and your cooperative way of thinking, being part of a team makes you feel at home. You have exceptional problem-solving

At a glance

Location:

Job ID: **104120**

Start date: **as soon as possible**

Entry level: **1-3 years**

Type: **Full time**

Contract: **Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **104120**
www.infineon.com/jobs



Contact

Cláudia Rodrigues

Recruiter



and analytical skills and you always look at the big picture. Moreover, you deal with your daily work in a meticulous and organized way.

You are best equipped for this task if you have:

- A **Master's degree in Electronic/Automation Engineering, Mathematics, Physics,** or equivalent field of studies
- **1 to 3 years of industry experience in analog & mixed-signal verification** or equivalent verification field
- Specific knowledge of **microelectronic devices, common architectures, and related analog/mixed-signal circuit design**
- Basic knowledge of **hardware description language (Spice),** with **VHDL, Verilog, and System Verilog** being a plus
- Experience with common **simulation tools** (by Cadence, Mentor, and Synopsys)
- Good knowledge of **Unix OS and scripting languages** (Perl, Python)
- Knowledge of **UVM methodology** is a plus
- **Proactivity and focus on results,** while keeping a **team player** mentality
- **Fluency in English.** Knowledge of Italian is valued and German is a plus

Please send us your CV in English.

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; Possibility to work remotely from abroad (EU)

Why Us

Driving decarbonization and digitalization. Together.

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

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

The **ATV division** is shaping the future of mobility by enabling clean, safe, and smart cars. Its product and solution offering is powering the decarbonization and digitalization of vehicles. By driving the transition to hybrid and purely electric vehicles, ATV is making a valuable contribution to cleaner roads. ATV is also increasingly digitalizing cockpit, infotainment, comfort, and lighting applications as it takes automated driving to the next stage with higher levels of connectivity, security, and safety.

The ATV portfolio integrates sensors, microcontrollers, high-performance memories for specific applications, power semiconductors based on silicon and silicon carbide, as well as components for human-machine interaction and vehicle connectivity. Infineon is the world leader in automotive semiconductors.

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

– At our R&D center in Padova we develop next generation Automotive applications –



In Padova we combine Italian creativity with German operational excellence to develop innovative semiconductor solutions for clean, safe and smart cars.

Here you will find a dynamic team made of highly skilled professionals from 15 different countries, who combine the experience of the senior engineers with the energy of young graduates.

We are on a journey to create the best Infineon for everyone.

This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant 's experience and skills.

We look forward to receiving your resume, even if you do not entirely meet all the requirements of the job posting.

Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.

[Click here](#) for more information about Diversity & Inclusion at Infineon.

