Driving decarbonization and digitalization. Together.

Senior Staff Digital Verification Engineer (f/m/div)

Job description

Infineon is a leader in automotive semiconductor innovation. We are building a new team in Cork to work on our Automotive Programmable System on a Chip (PSoC) products for applications in battery management, smart sensing, and human machine interfaces (HMI). We are looking for applications from candidates with analog design, digital design, digital verification, mixed signal verification, chip level integration, project management and ISO safety requirements experience. In this group you will be part of a small, agile team working together on taking customer requirements and implementing them into the next generation of Infineon automotive products. This team will work closely with and complement our existing experienced PSoC teams in the US, Japan and India. We are seeking ambitious, talented engineers who want to join our dynamic and experienced PSoC group and take their technical knowledge to the next level and be part of the next wave of PSoC development in Infineon.

On this new role, you will have complete control over your career growth, as we believe in providing limitless opportunities for our employees. You will be part of a highly dynamic and interactive team environment, where you will be able to collaborate with like-minded individuals and work towards achieving common goals.

In addition to the above, your responsibilities will include:

- Actively participate in definition of **Verification infrastructure** including test bench components, testcases which are scalable and portable across various projects and platforms;
- Define **verification strategy** (constraint random, formal, directed etc.) for digital or mixed-signal IP/Subsystem and SoC verification;
- Work in different verification methodologies including but not limited to **UVM**, **OVM**, **SV** based test benches;
- Identify, document and execute test plans on verification platforms, develop and debug random constrain verification test suite to fully verify the design under test;
- Actively participate in cross functional collaboration with design teams to ensure a successful product delivery;
- Work with post-Silicon teams to bring up and assist in validation testing.

Profile

We are looking for a highly motivated candidate with a strong initiative to seek constant improvements in the verification methodologies. The ideal candidate will possess excellent analytical and problem-solving skills, as well as the ability to work effectively in a team environment and multitask.

At a glance

Location:	**Cork (Ireland)**
Job ID:	**HRC0538471**
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. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **HRC0538471**

www.infineon.com/jobs

Contact

Francisca Dias
Recruiter

You are best equipped for this task if you have:

- A University Degree in Electrical Engineering or similar field;
- At least 5 years of professional experience;
- Solid understanding of verification methodologies including **UVM**, **OVM**, **System Verilog** ;
- Experience in developing verification infrastructure for complex digital or mixed-signal IPs/Sub-systems or SoCs including development of test cases, scoreboard, System Verilog Assertions;
- Basic knowledge of **digital** and/or **mixed-signal design**; Knowledge of protocols such as AHB, AMBA, AXI, SPI, LIN, UART etc. are highly desirable;
- Familiarity with functional coverage, code coverage, other coverage metrics;
- Good understanding of power aware verification using UPF and Gate level simulation;
- Knowledge of C, python, tcl, Perl etc. for developing test content and scripts;
- Knowledge of Automotive Functional safety concepts, ISO 26262 qualification experience is a plus;
- Strong **English** written and verbal communication skills.

Please send us your CV in English

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 –

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

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.