

Driving decarbonization and digitalization. Together.



Master Thesis in Analog Design Engineering (f/m/div)

Job description

Are you eager to apply your skills and work alongside top experts in your field? Our R&D Center in Pavia is looking for driven master's students who are passionate about shaping the future. If this sounds like you, we encourage you to apply and join a great place to work.

Thesis topic:

“15V to 1.8V (3.3V) Linear Converter”

You will join a team of experts to develop your thesis and improve your knowledge. You will work on the design of a specific circuit while integrating an international and diverse environment.

During this experience, you will:

- Be exposed to the **architecture definition, design, and layout of LDO solutions**;
- **Define and design** a fully **integrated LDO voltage regulator solution in HVIC technology**;
- Collaborate with a team of **expert engineers**;
- Be part of a **diverse and international company**;
- Receive **guidance and feedback** from your tutor.

Profile

You are a proactive team player, eager to learn new skills and thrive in an excel environment. Besides, you are a result-oriented individual, with a structured and self-driven working style.

You are best equipped for this role if you:

- Are pursuing a **Master's degree in Electronics Engineering**, with a specialization in **Microelectronics**, or a similar field;
- Have **some experience** with **microelectronics simulators**;
- Have **basic knowledge** of **microelectronics and circuit design**;
- Have **basic knowledge** of **semiconductors physics**;
- Are **proficient in English**.

Please send us your **CV in English** and include your passed Exams and the Exam plan list so we can get to know you better.

At a glance

Location:

Job ID: **HRC0790383**

Start date: **Jun 03, 2024**

Entry level: **0-1 year**

Type: **Full time**

Contract: **Temporary**

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: **HRC0790383**

www.infineon.com/jobs



Contact

Sofia Carvalho

Recruiter



Benefits

- **Pavia:** 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; Supplementary pension fund (on individual request); 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.

– At our R&D center in Pavia we develop next generation Industrial and Automotive applications –

In Pavia we design and test cutting-edge integrated circuits and modules that are at the heart of the worldwide decarbonization initiative. Our devices allow to avoid energy waste in applications such as: solar panels, wind turbines, battery chargers, electrical engine control.

People who join our team enjoy an inclusive and open-to-diversity culture; we are enthusiastic for all aspects of technology and also eager to improve our planet health with the devices we create.

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.

