

# Driving decarbonization and digitalization. Together.



## Master Thesis: Lab Characterization Automation (f/m/div)

### Job description

Are you enthusiastic about putting your expertise into action and collaborating with leading professionals in your field? Our R&D Center in Pavia is seeking ambitious master's students who are dedicated to influencing the future of our world. If this sounds like you, we invite you to apply now and become part of our innovative team.

#### Thesis topic:

“MATLAB-based interface for board connectivity automation”

During this experience, you will be able to:

- Familiarize yourself with **Infineon's components for testing**;
- Develop a new **MATLAB-based interface to enable the automatic connectivity between lab equipment and Device Under Test**;
- Exchange **expertise** and **collaborate with a team of experts**.

### Profile

You are a team player who is eager to learn new skills. Furthermore, you have a proactive personality which allows you to take initiative by exploring different solutions for problem solving.

You are best equipped for this task if you:

- Are pursuing a Master's degree in **Electronics Engineering, Software Engineering**, or similar fields;
- Have some knowledge of **programming-coding languages** (e.g. MATLAB, Python, C++);
- Have basic knowledge of **electronics**;
- Have basic knowledge of **PCB Schematic and Layout**;
- Have good knowledge of **Microsoft Office tools** ;
- 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.

### Benefits

### At a glance

Location:

Job ID: **HRC0781100**

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: **HRC0781100**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)



### Contact

**Sofia Carvalho**  
Recruiter



- **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.

