

# Driving decarbonization and digitalization. Together.



## Master thesis: Plasma-induced damage reliability investigations (f/m/div)

### Job description

As a global semiconductor leader in power systems and IoT, we enable game-changing solutions for green and efficient energy, clean and safe mobility, as well as smart and secure IoT. That's why you probably use our products every day: smartphone, charger, electric toothbrush, coffee machine, refrigerator, remote control and much more. Does that sound interesting to you? Then apply directly, we look forward to hearing from you!

Within your master thesis, you will introduce an advanced NBTI characterization method for plasma-induced damage-degraded pMOS transistors

- **Experience research:** You will use advanced reliability characterization techniques to experiment with various types of CMOS transistors
- **Focus on the future:** You will gain experience with cutting edge semiconductor methodology
- **Take responsibility:** You will use labwork and communication to drive a development project
- **Shape the future:** You will learn how to use new technology in an industrial environment

### Profile

- **Study field:** You are currently studying for a master's degree in physics, electrical engineering, materials science or similar
- **Experience:** You have already gained some knowledge in the field of semiconductors, and you are motivated to learn about semiconductor reliability
- **Personality:** You like working in an international team and enjoy communicating with different stakeholders
- **Way of working:** You are characterized by a proactive and reliable approach to work
- **IT- Skills:** You are proficient in using MS Excel and ideally have some programming experience
- **Language skills:** You have fluent German and English skills, both written and spoken

Please attach the following documents to your application:

- CV in English

### At a glance

Location: **Munich (Germany)**  
Job ID: **HRC0773466**  
Start date: **Jul 01, 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: **HRC0773466**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)



### Contact

**Julia Flammersberger**  
Recruiter



- Certificate of enrollment at university
- Excerpt of the study regulations for the thesis (if applicable)
- Latest grades transcript (not older than 6 months)
- High school report

## Benefits

- **Munich:** 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 conditions; Home Office Options; Part-time work possible; Sabbatical; Creche and kindergarden with 220 spots and opening times until 5:30pm; Holiday Child Care; On-site social counselling and works doctor; Health promotion programs; On-site gym, jogging paths, beachvolleyball, tennis and soccer court ; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement; Performance bonus; Cheaper ticket for public transport and very own S-Bahn station; Accessibility access for wheelchairs; Möglichkeit mobil aus dem Ausland zu arbeiten (EU)

## Why Us

### Further links:

[Find out](#)

what we are looking for in your CV

[Find out](#) how the student application process works with us

[Discover](#) our student website

### 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.

Infineon´s **Quality Management** department acts proactively to satisfy the needs of our customers to increase their success and to ensure 'best in class' product quality. Internally the department develops a living quality culture at all levels within the different divisions and at our partners.

### 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.

