Master Thesis: Development and Evaluation of Reliability Stress Test System

Job description

At KAI GmbH, you will perform your thesis project in an industrial research environment, guided and supported by experienced researchers in such diverse areas as hard- and software design, simulation, modeling and semiconductor technology. We work in close cooperation with universities and research facilities supporting your academic education, whereas our industrial partner Infineon offers interesting opportunities for a prospective career path in the semiconductor industry.

During your thesis project, we expect you to become a growing expert for electronic hardware design, with a strong focus on
high power dynamic pulse stress testing. This means you will need to acquire some special knowledge and perform dedicated tasks:

- Learn about types and characteristics of advanced power semiconductors, especially Infineon products and technologies
- Improve your skills in power electronic hardware design, simulation and layout
- Comprehend the vital importance of reliability in power electronic applications
- Evaluate an existing hardware prototype, partially redesign it to accomplish the desired functionality, working under professional guidance of your KAI tutor
- Document your results by writing and submitting your Master thesis

Start:

01.09.2019
Contract type: Temporary (6 to 9 months), part or full time

This position is subject to the collective agreement for workers and employees in the electrical and electronics industry. The salary for this position is **€ 2.210** gross p.m. (part time possible).

Profile

You are a **master student** covering the area of Power Electronics with a strong ambition for technology, hardware design and making things work. You are also able to:

- Start right away, because you have completed most of your exams
- Provide some knowledge and experience in electronic hardware design
- Work and communicate well with our international team in **English and possibly German**
- Provide relevant documents: CV, Bachelor certificate, transcript of records from your University

At a glance

Location:	**Villach**
Job ID:	**37596**
Start date:	**immediately**
Entry level:	**Thesis support**
Type:	**Full time**
Contract:	**Temporary**

Apply to this position online by following the URL and entering the Job ID in our job search:

Job ID: 37596
www.infineon.com/jobs

Contact

KAI Kompetenzzentrum Automobil- und Industrieelektronik GmbH
Europastrasse 8, 9524 Villach, AUSTRIA
www.k-ai.at
Please mail your application to:
Michael.Glavanovics@k-ai.at