



Internship: Application Engineering

Job description

We are looking for motivated students (f/m/div)* with the willingness to learn new things and work in a challenging environment. This specific job is suitable for master students who are studying Industrial Power Electronics or Electrical/Electronic Engineering.

In your new role you will develop and test a **“Reliability Toolbox for Multi-objective Design Optimisation of Power Electronic Equipment ”** entailing the following tasks:

- Update/review on reliability estimation from mission profiles (stress counting /weighing etc.)
- Establish a format for inputting mission profiles
- Define methodology complementing the multi/objective optimization algorithms currently in use
- Develop the reliability estimators in compatible code to the existing tool
- Implement/code the tool box and debug
- Validate the toolbox through a comparative study of Switch Mode Power Supplies for telecoms applications

Further information

Start: September 2021

Type of employment: Temporary / Part-time (Flexible working hours from Monday to Friday between 6 a.m. and 7 p.m.)

Duration: min. 6 months

Profile

You are a master student in the field of Industrial Power Electronics or Electrical /Electronic Engineering. You should also offer:

- **Understanding of power electronic topologies** and their control
- Experience with **MATLAB** and basic understanding of reliability concept
- Ability to work in a team environment
- **Microsoft Office** skills (Word, Excel, Power Point)
- **Familiarity** with general **measurement techniques** in **electronics**: oscilloscope, automated efficiency measurement setup, (optional) EMI test

This position is subject to the collective agreement for workers and employees in the electrical and electronics industry (full-time), employment group D for master students. (<https://www.feel.at/leistungen/informations-service>)

At a glance

Location:	Villach (Austria)
Job ID:	325592
Start date:	immediately
Entry level:	0-1 year
Type:	Part time
Contract:	Temporary

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

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Contact

Nico Steinhauser



/mindestlohne-und-gehalter-2020)

Please attach the following documents (English or German) to your application:

- Motivation letter
- CV
- Certificate of matriculation at a university
- Transcript of records
- Highest completed educational certificate (Matura certificate for Bachelor students, Bachelor certificate for Master students)
- Reference letter

