



Master Thesis: Voltage Regulation Investigation for Hybrid DC to DC Converter

Job description

The Power & Sensor Systems (PSS) portfolio is very diverse. One of PSS's core areas of expertise is semiconductors for power supplies. PSS products make adapters and chargers smaller, lighter and more efficient. PSS also develops key components for mobile devices, for example silicon microphones based on MEMS (micro-electromechanical systems).

Overview research activities:

- **Modeling and simulation of concepts** for voltage regulation in hybrid converters
- **Firmware implementation** of regulation methods in XMC controller
- **Efficiency measurements** in the lab
- Documentation of evaluation results

Further information:

Start: Summer 2020

Type of employment: Full-time / temporary

Duration: min. 6 months

Profile

You are best equipped for this task if you have:

- **Electronic study** or a similar subject
- Are fluent in **English**
- Are you a **team player** with strong interpersonal skills and have the ability to work with various interfaces
- A strong **analytical** and **strategic** way of thinking and are interested in technical matters
- Are well organized with an ability to work independently and proactively
- Are highly motivated with a **can-do mentality** and **flexibility**

This position is subject to the collective agreement for workers and employees in the electrical and electronics industry. The salary for this position is **2.242,19 Euro** gross p. m. (full-time basis).

Please attach the following documents (german or english) to your application:

- Motivation letter
- CV
- Certificate of matriculation at a university
- Transcript of records

At a glance

Location: **Villach**
Job ID: **24739**
Start date: **immediately**
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:

Job ID: **24739**
www.infineon.com/jobs

Contact

Julia Gabriel
Student Attraction Manager



- Highest completed educational certificate (Matura certificate for Bachelor students, Bachelor certificate for Master students)
- Reference letter

