FINANCE

Internship or Bachelor/Master Thesis – Grid Power Models (m/f/d) – for at least 6 Months

Job location: Jenbach
Job level: Entry

Bachelor/Master thesis: Development of transient grid power system models for application in a real time Hardware-in-the-loop environment.

Thesis Description:

- Development of a proper real-time capable power grid model available for HiL simulation purposes
- Proof of concepts for integration of hardware components within a HiL setup
- Validation of developed models and hardware on a high performance computing DSPACE HiL rig

Your Responsibilities:

- Work in close cooperation with the controls/ measurement/ Grid Code solutions team to develop and test differentiating solutions
- Support the team in requirement discussions, scope and concept definitions and feature design by involving all necessary experts
- Regular project status updates to technical experts
- Translate functional requirements into technical specifications and design solutions

Your Profile:

- Ongoing Bachelor’ or Master studies in electrical engineering or related
- Educational experience in controls design (MATLAB, etc.) preferably in modelling of electrical equipment, electrical machines, power systems
- Basic understanding of power system stability and operations
- Passion about software development and a real team player
- Fluent in English, German is a plus
- A valid work permit for Austria is a prerequisite for this position (Non-EU citizens: please attach the work permit to the application)

The base pay is composed of the amount according to the Austrian collective agreement which is at least EUR 2.195,46 gross per month (x 14).

Join us!

Further information about the position