Power Electronics Control Intern/Master Student (m/f)

Huawei is a leading telecom solutions provider. Through continuous customer-centric innovation, we have established end-to-end advantages in Telecom Network Infrastructure, Application & Software, Professional Services and Devices. With comprehensive strengths in fixed network, wireless network and IP technologies, Huawei has gained a leading position in the All-IP convergence age. Our products and solutions have been deployed in over 100 countries and have served 45 of the world's top 50 telecom operators, as well as one third of the world's population. Huawei's vision is to enrich people's lives through communication. By leveraging our experience and expertise in the telecom sector, we help bridge the digital divide and give people the opportunity to join the information age, regardless of their geographic origin.

Huawei's European Research Center (ERC) in Munich & Nuremberg is responsible for advanced technology research, architecture evolution design and strategic technical planning. We are currently looking for a **Power Electronics Control Intern/Master Student** to contribute to the development of our **Huawei Power Conversion Technology Laboratory,** which plays an important role in designs and develops power converters and control systems for applications such as Uninterrupted Power Supply (UPS), Photo Voltaic (PV), Electric Vehicle (EV), ac-dc and dc-dc power converters in Huawei Network Energy Business Unit.

Candidate will be part of HUAWEI Power Conversion Technology Laboratory in Nuremberg. **Minimum duration of Internship is 6 months and can be extended up to one year**. If the candidate is willing to do the Master Thesis the topic and research activities can be discussed and agreed with the University Professor/advisor prior to the start of this Internship.

Requirements:

- Registered in a reputed European University to undertake Master of Science (MSc) or equivalent degree program in Power Electronics, Power Engineering or similar relevant Electrical & Electronics field.
- Good theoretical understanding of basic power electronic converter principles and semiconductor devices.
- Good theoretical background of control theory.
- Can do attitude, eager to learn new things and ready to think outside the box

Expected Tasks can be one or few of the following tasks:

- Support ongoing R&D projects with software modeling and simulation of multi-level converter topologies for Solar, Data Center, UPS & EV applications.
- Support in hardware in the loop testing.
- Support in algorithm design, developments and implementation of innovative control methods.
- Documentation of all R&D activities

Preferred skills but not essential:

- Good working knowledge in one or some of these software tools
  - MatLab & Simulink, PLECS, Spice.

If you are enthusiastic to shape the European Research Center in Nuremberg, Germany, together with us, with a very high level of technical innovation, being part of a multicultural team and growing environment, feel free to contact us. **Driving future technologies with focus on customer satisfaction is our missions. Join us!**

Please send your CV in ENGLISH to: recruitment.erc@huawei.com
Huawei Technologies Düsseldorf GmbH
Südwestpark 48, European Research Center, 90449 Nurnberg, Germany