



About us

Neoscan Solutions is a young and professional venture. We are developing high-end solutions for MR imaging and spectroscopy, hereby collaborating closely with the Otto von Guericke University of Magdeburg, and the Research Campus STIMULATE.

About the offer?

We have immediate openings for a Bachelor/Master student (m/f/d) for a

Bachelor/Master thesis in the field of RF mixing and analogue signal processing for 14 T MRI system.

Topic

Design & PoC of a generic multi-channel transceive RF mixer system for an existing MR console in the ultra high-field MRI

Your Profile

- Study of electrical engineering and information technology, medical engineering, physics or a related subject
- Basic knowledge of electronics, electronic circuits and filters
- Knowledge of the theory of analogue signal processing and RF measurement technology
- Ability to work both independently and in a team
- Good communication skills in English

Benefits

- Possibility of working as a working student
- Flexible working hours
- Modern production and office space
- Collaboration and research in the field of ultra-high field MRI

How to apply?

If you have a proactive, team-orientated way of working and are interested in a thesis in the above-mentioned subject area, we look forward to receiving your application by e-mail. Please send us a short cover letter, your current grade transcript and, if available: an overview and summary of previous projects such as AME (medical engineering students), research track and bachelor thesis.

Students who have already completed a project, an internship or a thesis for the STIMULATE research campus should include the name of the supervisor.

Please use the following option:

- By e-mail to: **Info@neoscan-solutions.com**

For specific questions about the content of the thesis:

- By e-mail to Jonas Bindernagel: bindernagel@neoscan-solutions.com

www.neoscan-solutions.com