

RF / Mixed-Signal Design Engineer

Job Title: Research Assistant

Job Category: Engineering / R&D

Location: Berlin, Germany

Full/Part Time: Up to 80 hours per month, i.e., part time job

Job Type: Student/Intern

Regular/Temporary: Temporary

Apply Before: Ongoing

Job posting date: 11.02.2016

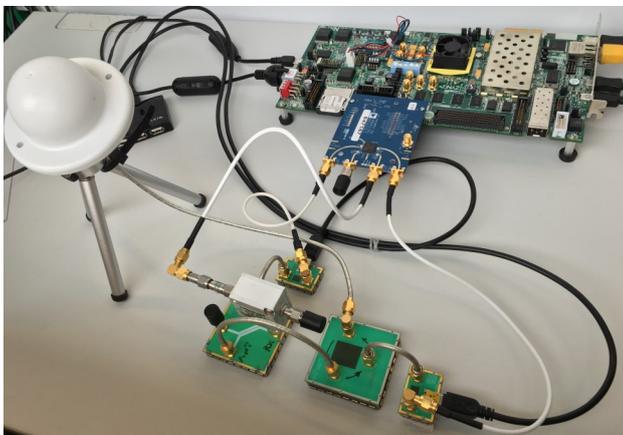
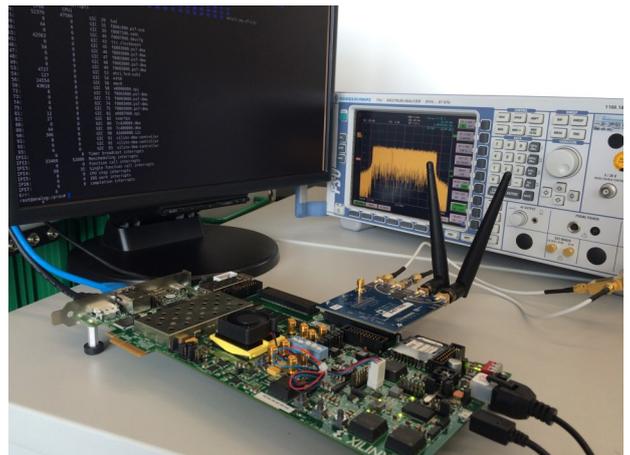
Job starts: ASAP



Antenna and RF front-end hardware design engineer

The department of Wireless Communication and Networks at Fraunhofer Heinrich Hertz Institute is seeking a motivated student to be a part of the development process of antennas, RF circuitry, and RF front-ends for futuristic wireless transceivers. The accepted applicant will work under the guidance of senior researchers in the domain of wireless communications (digital and RF/analog design) to develop working prototypes of state-of-the-art wireless communication systems to be potentially the building cores in future 5G wireless networks.

The selected candidate will provide microwave and RF antenna and electronic design support. This is a great opportunity for a senior-year student who wants to take a bold step from the academic life to face real-world problems and being gradually prepared for either research or industry working environment.



Requirements

- Enrolled Master/Diploma (m/f) student within Electrical Engineering, Communications Engineering, Information Technology or related field of study
- A solid theoretical underpinning knowledge in electromagnetic and circuit theory
- Familiarity with one of the electromagnetic wave solver, preferably ANSYS HFSS
- Hands-on experience of using RF measurement equipment including VNAs and spectrum analyzers
- Fundamental understanding of the RF front-end architecture in wireless transceivers
- A team player able to work with little guidance who has solution-oriented attitude
- Fluent in English or/and German verbal & written

We Offer

- Flexible office hours for your own best time management convenience
- The opportunity to work with state-of-the-art topics for future and beyond wireless communication networks

The position is limited to six-month student contract and may be extended. Severely disabled applicants with equal qualification and aptitude will be given preferential consideration. Fraunhofer-Gesellschaft prefers to balance the number of female and male employees.

The applicants must submit their applications directly to the scientific advisor per email. We look forward to receiving your application!

In case of any further question regarding the advertised vacancy, please do not hesitate to contact the scientific advisor:

Wilhelm Keusgen, Dr.-Ing.
E-mail: wilhelm.keusgen@hhi.fraunhofer.de
Tel: +49 (0)30 31002-639

Ramez Askar, M. Sc.
E-mail: ramez.askar@hhi.fraunhofer.de
Tel: +49 (0)30 31002-419