



Development engineer

with a focus on telecommunication technologies and software development

Our department Broadband and Broadcast conducts research in the fields of mobile wireless, broadcasting and microwave technologies, as well as industrial and automotive communication systems. Our mission involves transforming new basic research concepts into real applications. We offer a broad range of services, from the creation of algorithms, prototypes and demonstrators, to the development of products and ASICs.

Are you interested in helping shape the 5th generation mobile communication technology?

Then we may have the right position for you!

With this position, you will have the opportunity to develop innovative telecommunication systems such as 4G enhancements and 5g technologies. You will specify and implement these systems and be responsible for the signal processing elements in software defined radio (SDR) platforms using C/C++. You will also test and validate the prototypes and associated components that you develop.

Your profile

- University degree in computer science or electronics engineering (especially with a focus on telecommunication technology/mobile wireless)
- Solid know-how in the field of near-hardware software development (embedded systems) in SDR platforms and the Linux operating system using C/C++
- Working knowledge of telecommunication technology and digital signal processing
- Good overview of mobile communication and the associated protocol layers (particularly the physical layer)
- Good oral and written communication skills in English (required for working in international teams)
- Knowledge of script languages such as Python or Perl is a plus

What you can expect from us

- Diverse projects with a high degree of real-world applicability: help us shape the mobile communication technologies of the future
- Opportunity to further your research skills and experience and develop your individual skills through training and education programs
- Flexible hours and various services that promote a work-life-balance
- Equal opportunity employment

Employment, compensation and social benefits are provided in accordance with the German civil service collective bargaining agreement (TVöD). This position is initially based on a fixed-term contract.

Please send your application, including a cover letter, resume and references to Meike Hillenbrand personalmarketing@iis.fraunhofer.de and reference IIS-2018-7.