

The Fraunhofer Institute for Integrated Circuits IIS has an immediate opening in its **RF and Satcom department** in **Erlangen** for an/a

## Intern/student assistant in the area of RF and satcom systems

Does involvement in R&D research in the area of future satellite technologies excite you? Then you have come to the right place!

Future television services will require the transmission of increasingly large volumes of 3D-TV and 4k data via satellite. Our transmission systems make global communication and connectivity possible around-the-clock and from anywhere in the world. Our research activities furthermore focus on satellite-based communication systems for both stationary and mobile applications. In this area we develop new concepts for better utilization of existing resources, and implement them in ground station components such as satellite transmitters, receivers and electronics.

### Your responsibilities

You will support our research and development activities through hardware programming and channel simulation. Specifically, you will

- Participate in software implementation
- Support the department with digital transmission methods

### What you bring

- A degree in, or you are currently studying electronic engineering, computer science, mathematics or similar field
- An interest in telecommunications technology
- Basic knowledge of digital and analog signal processing
- Interest in and initial experience with common programming languages (MatLab, Python, C/C++, VHDL) is preferred

### What you can expect from us

- Diverse projects with a high degree of real-world applicability
- Flexible hours that allow you to balance your studies and on-the-job experience
- An open and friendly work atmosphere
- Sufficient opportunity to develop your interests and skills

*We can also offer you the opportunity to complete a study or graduate thesis in conjunction with our institute in one of the aforementioned fields. The thesis will be assigned and carried out in accordance with the rules of your university. For this reason, please discuss the thesis with a professor who can advise you over the course of the project.*

### Now it's your turn

Send your detailed resume via e-mail to [personalmarketing@iis.fraunhofer.de](mailto:personalmarketing@iis.fraunhofer.de) and reference ID number **117469**. And don't forget to tell us how you learned about this opportunity.

Additional information on job openings can be found at: [www.iis.fraunhofer.de](http://www.iis.fraunhofer.de)

