

Interested in helping to shape the world of tomorrow?

The Fraunhofer Institute for Integrated Circuits IIS has an immediate opening in the IC Design Mixed Signal Department for a

Research Intern for the Sensor Signal Analysis area

The IC Design Mixed Signal department has been active for 20 years in the development of increasingly complex mixed signal ASICs. We develop customer-specific ASICs that can contain various types of sensors. ASIC development focuses on the integration of analog (including sensors) and digital components on a chip.

Potential areas of responsibility include:

- **Area 1**
Design, simulation and/or layout of analog and mixed signal circuits
- **Area 2**
Automated generation of layout elements for highly-precise analog circuits
- **Area 3**
Characterization of integrated circuits utilizing laboratory measurements
Programming of automated measurement processes
- **Area 4**
Analysis and/or improvement of sensor-based integrated circuits with an emphasis on the signal aspects

Your actual area of responsibility will be determined in discussions with the supervising researcher at Fraunhofer IIS.

Your profile

- Currently pursuing a university degree in electronic engineering, computer science, mathematics or physics
- Interest in circuit or telecommunications technology
- Programming experience (for areas 2 and 3 only)

What you can expect from us

- Diverse projects that are applicable to the real world
- An open and friendly work environment
- Sufficient opportunity to develop your interests and skills

We can also offer you the opportunity to complete an undergraduate 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.

Have we piqued your interest?

If so, we look forward to receiving your application. Please reference ID number **020111** and don't forget to tell us how you learned about this opportunity.

Fraunhofer Institute for Integrated Circuits IIS
Personnel Marketing - **020111**
Am Wolfsmantel 33
91058 Erlangen

If possible, please submit your application in PDF format via e-mail to:
personalmarketing@iis.fraunhofer.de

You can find additional information and career opportunities at: www.iis.fraunhofer.de