

**WORLD-CLASS RESEARCH AT
YOUR FIRST JOB – IS THAT
POSSIBLE AT ALL?**

YES.

At Fraunhofer IIS, motivation and know-how
count for more than position
and years of experience.

iis.fraunhofer.de





Dear Students, dear Graduates,

What we do at Fraunhofer Institute for Integrated Circuits IIS is truly extraordinary. As an application-oriented research institute our groundwork is about technological pioneering. We think far ahead and seize any opportunity to push past the obvious to get to breakthrough solutions for next-generation technologies and applications.

We have a great team and make sure it has all the tools it needs – cutting-edge labs, facilities and equipment. Many of our developments are world leading. To stay at the vanguard of innovation, we need people with a vision and commitment.

If you are interested in joining a dedicated team of developers of frontier-pushing technologies and products send us your application. We look forward to meeting you!

Prof. Dr. Albert Heuberger

Dr. Bernhard Grill

Management of the institute

INTERESTING TO KNOW ...



1 ... that VR sound quality is so stunningly realistic because **Fraunhofer Cingo** incorporates the head movement of the listener during playback.
www.fraunhofer-cingo.com

2 ... that with just the push of a button of **ValuCT** you can obtain full-fledged **computer tomography** images without any prior knowledge
www.iis.fraunhofer.de/magazin_valuct-en

3 ... that now public transit have their own navigation system, because **awiloc®** shows how to get straight to your destination using various means of transportation.
www.iis.fraunhofer.de/nnv-en

4 ... that my toothbrush knows where I have to brush because **SHORE™** and its inertial sensor technology can determine the position of the head of the toothbrush.
www.iis.fraunhofer.de/smartbrush-en

5 ... that soon things will be able to connect themselves and exchange information because **MIOTY** can transmit data of up to one million transmitters.
www.iis.fraunhofer.de/mioty-e

6 ... that my **FitnessSHIRT** tracks my calorie burned because it features sensor technology made by Fraunhofer IIS.
www.iis.fraunhofer.de/fitnessshirt-en

7 ... that magnetic storms and northern lights can be observed from space because satellites are equipped with an integrated evaluation circuit for highly sensitive **magnetic field measurement**.
www.iis.fraunhofer.de/magnetfeld-en

8 ... that mobile communication will reliably connect machines and vehicles because Fraunhofer IIS is co-developing technologies for **5G – the next-generation LTE mobile wireless standard**.
www.iis.fraunhofer.de/5g

LEADING THE WAY AHEAD

The Fraunhofer Institute for Integrated Circuits IIS is one of the world's leading application-oriented research institutions for microelectronic and IT system solutions and services. It is the largest of all Fraunhofer Institutes.

Research at Fraunhofer IIS revolves around two guiding topics:

In the area of **"Audio and Media Technologies"**, the institute has been shaping the digitalization of media for more than 30 years now. Fraunhofer IIS was instrumental in the development of mp3 and AAC and played a significant role in the digitalization of the cinema. Current developments are opening up whole new sound worlds and are being used in virtual reality, automotive sound systems, mobile telephony, streaming and broadcasting.

In the context of **"cognitive sensor technologies"**, the institute researches technologies for sensor technology, data transmission technology, data analysis methods and the exploitation of data as part of data-driven services and their accompanying business models. This adds a cognitive component to the function of the conventional "smart" sensor.

Founded in 1985 in Erlangen, Fraunhofer IIS now has 13 locations in 10 cities: Erlangen (headquarters), Nürnberg, Fürth and Dresden, as well as Bamberg, Waischenfeld, Coburg, Würzburg, Ilmenau and Deggendorf.

WHAT OUR EMPLOYEES HAVE TO SAY



For more information, job opportunities and the application, please visit:
www.iis.fraunhofer.de/en/jobs.html

»It is exciting to see that even ambitious goals can be met if you are working as a team. With this sense of community and team spirit breaking new grounds seems to be much easier. This is the future.«



Virginia Volland-Salamon,
Group manager »Software Systems«

»Working at Fraunhofer IIS is great. The international projects give me the chance to conduct cutting-edge research. With the network of industry partners I can have the findings turned into practical applications, giving me the impetus for further research.«



Stephan Gerth, Group manager »Functional Modeling and Verification«

»What makes my work interesting is the challenge to implement top-level research results in industrial applications. I learn something new every day and deeply appreciate the supportive and friendly atmosphere between colleagues.«



Christof Schlund, Group manager
»RF Circuits Group«



Martin Pfeiffer, Student assistant
for »Audio and Media Technologies« division

»Fraunhofer IIS shows great confidence in students. I am given the opportunity and time to look into new topics and deepen my knowledge in workshops. Work here is goal driven and my opinion matters – I like it.«



MATCHING AREAS OF STUDY AND RESEARCH AREAS

The right fit

At Fraunhofer Institute for Integrated Circuits IIS you can grab the future and make a difference already in your first semester. Enjoy the established reputation for excellence **at the front rank of applied research and development** and gain hands-on experience to boost your professional skills.

Each workplace is furnished with **state-of-the-art technology**. Working hours are flexible and can be matched to fit your schedule. Our institute has a lot to offer when it comes to work-life balance, e.g. while in the office, young parents know their children in the capable hands of the affiliated child care center nearby.

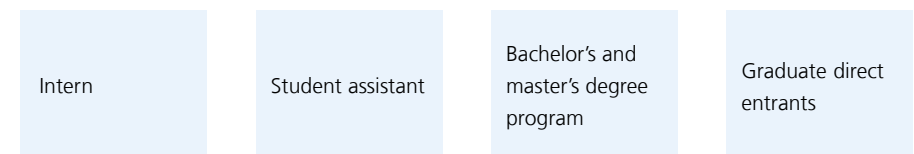
A fine step forward

You will be working in an **international environment** with access to research institutions and industry partners around the globe. Your tasks include highly attractive research and industrial projects for the market of the future. You will be working independently and assume responsibility in a motivated team environment.

Use our **concept for career advancement** to enhance your professional profile and help you tackle project challenges. We will support you in all questions related to your personal and professional development.

Research Areas at Fraunhofer IIS	Electrical Engineering	Computer Science Business IT	Information and Communication Technology	Mathematics	Mechatronics	Media Technology	Medical Technology	Physics	Industrial Engineering Economics
Audio and Media Technologies	■	■	■	■		■		■	
Development Center X-ray Technology EZRT	■	■	■	■	■	■	■	■	■
Communication Systems	■	■	■			■		■	■
Positioning and Networks	■	■	■	■				■	■
Engineering of Adaptive Systems EAS	■	■	■	■	■			■	
Smart Sensing and Electronics	■	■	■	■		■	■		■
Fraunhofer Center for Applied Research on Supply Chain Services SCS		■	■	■				■	■

THE STUDENT PATHWAYS AT FRAUNHOFER IIS:



For more, please see:

WWW.IIS.FRAUNHOFER.DE

We look forward to receiving your application via our career page at:





www.iis.fraunhofer.de/en/jobs

**Fraunhofer Institute for
Integrated Circuits IIS**

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