

Interested in helping to shape the world of tomorrow?

The Fraunhofer Institute for Integrated Circuits IIS has an immediate opening in our Audio and Multimedia Department in Erlangen for an

## **Intern or Student Assistant (m/f)** **For the theme binaural audio and virtual acoustics processing**

Fraunhofer IIS is universally credited with the development of the seminal mp3 coding algorithms and co-development of MPEG AAC. Our codecs are widely used by well-known companies such as Google, who decided to integrate our audio-codecs into their Android operating system. Additionally, our Cingo® Technology is compatible with Google Nexus Devices. Cingo® brings the typical home-cinema surround sound experience to mobile devices. Users of tablets or smartphones can experience a three-dimensional sound with the integrated speakers or common headphones.

This technology is based on, binaural processing, among others. For this subject, we continuously look for student assistants and interns.

### **Your profile**

- Electrical Engineering & Information Technology, Computer Science, Mathematics studies preferred
- Interest in (Psycho-)Acoustics, Audio Coding, Audio Signal Processing
- Good knowledge of digital (Audio)Signal Processing
- Good knowledge of MatLab and/or C/C++

### **We offer**

- Acoustic Measurement Technology & Psychoacoustics
- Audio Signal Analysis and Processing
- Sound Enhancement, Tuning
- Fixed point/DSP Implementation
- GUI-Development
- Further topics on request



You also have the opportunity to write your thesis in one of the above-mentioned fields while working at Fraunhofer IIS. These are assigned and completed in accordance with the guidelines of your university. Please consult the professor who is in the best position to monitor and supervise your thesis activities.

### **Piqued your interest?**

We look forward to receiving your application documents including CV and the available grade statement. And please, don't forget to tell us how you heard about this opportunity.

Reference number: **104201**

Fraunhofer Institute for Integrated Circuits IIS  
HR Recruiting - **104201**  
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](http://www.iis.fraunhofer.de)