

CAN I COMBINE SCIENCE AND BUSINESS IN A SINGLE JOB?

**YES.**

We'll show you how at Fraunhofer IIS.

For the **Audio and Media Technologies** division in **Erlangen**, the Fraunhofer Institute for Integrated Circuits IIS is currently seeking

---

## Interns and Student Assistants

### to work in the area of

## Audio Coding for Communication Applications

---

We are offering an opportunity to help with the development of an upcoming audio standards for new high-quality immersive voice and audio services for mobile communications. Our new codecs aim to provide new functionalities and features that provide a unique immersive user experience (e.g. with the help VR or AR related applications).

This new codec is based on the recent "Enhanced Voice Services" (EVS) codec, which is quickly becoming the new standard in mobile communications, and provides new functionalities and an efficient coding scheme for immersive audio applications with more than one channel (including stereo, multi-channel and "Virtual Reality" (VR)-related applications). Our goal is to develop a versatile and efficient codec that provides the best possible audio quality for all kinds of audio content.

Our tasks include:

- Experimentation - developing new and tuning existing technologies (e.g. bandwidth extension schemes) to improve audio quality and efficiency of the coded
- Implementation - extending and maintaining our C-based development framework
- Testing - evaluating audio quality by both objective measurements and subjective listening tests

**Your profile: You ...**

- are studying information science, information technology, electrical engineering, computational engineering, mathematics, physics or similar
- are interested in signal processing, preferably related to audio and/or speech
- have knowledge in programming languages, preferably C and/or Matlab
- are fluent in English
- are team-oriented, have an autonomous manner of work and are highly intrinsic motivated

**What you can expect from us:**

- an open, cooperative and agile working environment
- collaboration in interesting and innovative projects
- many opportunities to gain practical experience
- part-time student assistant positions (starting with 8 hours per week on average - flexible scheduling) as well as full-time internships are available

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.

**Interested?**

Please apply for this position using the following link: **XXXXXXXXXXXX**

Please include a cover letter, your CV and your latest transcripts of records (as PDF) and quote ID number **XXXXX**.

Address your application to Nina Wörlein. For more information about the institute, its products and services please visit: [www.iis.fraunhofer.de](http://www.iis.fraunhofer.de).