

CAN I COMBINE SCIENCE AND BUSINESS IN A SINGLE JOB?

**YES.**

We'll show you how at Fraunhofer IIS.

The Fraunhofer Institute for Integrated Circuits IIS has an immediate opening in the **Audio** department in Erlangen for a

---

## Student Assistant

responsible for implementing and evaluating »loudness and dynamic range control« algorithms

---

Our department is active in the field of **MPEG-H 3D audio standards** and the corresponding creation of new »Next Generation Audio« content. The MPEG-H audio standard was developed by Fraunhofer IIS for **integration into future streaming and broadcast applications**. The 3D audio mix can be played back through any type of loudspeaker setup or stereo headphones.

Do you have programming experience with Matlab and an interest in the field of digital audio signal processing?

### Then we have the right position for you:

You will develop new features for the area of »loudness and dynamic range control« using the Matlab platform. In addition, you will support our team in developing, conducting and evaluating hearing tests that are utilized for analyzing audio codecs quality.

### Your profile

- Pursuing a degree in electronics engineering, information and communications or a similar discipline
- Solid knowledge of the Matlab programming language
- Basic knowledge of C/C++
- Mathematical know-how in the area of statistical signal processing
- Familiar with digital signal processing, particularly in the area of audio

### What we offer

- **Diverse projects** with a high degree of **real-world applicability**
- An **open and friendly** work atmosphere
- **Flexible hours** that allow you to balance your work and study activities
- The leeway to **develop your own interests and skills**

### Have we piqued your interest?

Then send us your application in PDF, including cover letter, resume and references, to Nina Wörlein and cite **ID number 308694et**: [personalmarketing@iis.fraunhofer.de](mailto:personalmarketing@iis.fraunhofer.de).

Please let us know how you learned about this job opportunity.

Further information about the institute is available at: [www.iis.fraunhofer.de](http://www.iis.fraunhofer.de)