

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 its »Audio and Media Technologies« division in **Erlangen, Germany** for a

## Research Associate – Efficient machine learning for speech and audio signal processing

**You are excited about machine learning and you have always been interested in speech and audio signal processing?**

### We have the right job for you!

You investigate and research on how machine learning can be efficiently applied to speech and audio signal processing including applications in the area of speech enhancement, audio source separation and classification.

In recent years, Fraunhofer IIS has been involved in developing advanced speech and audio processing algorithms, such as voice quality enhancement using microphone arrays or next generation speech and audio coding. We are looking for experienced colleagues who help us to improve our solutions based on new machine learning concepts as well as making these methods usable on mobile and embedded devices.

### About us

The »Audio and Media Technologies« division of Fraunhofer IIS constitutes one of the world's largest organizations dedicated to audio, speech and media processing. It has been an innovator in sound and vision for over 25 years and repeatedly won international competitions in the audio and media field: e.g. with mp3 and codecs of the AAC-family. Over 200 engineers and scientists develop first-rate technology, which is sold worldwide.

### What we expect from you

- A scientific degree in Computer Science, Electronics, Mathematics, Physics, or similar
- Good background in digital signal processing
- Expertise in machine learning and deep neural networks
- Programming experience in at least one of the following languages: C/C++, Python, MATLAB
- Fluent in English for collaborative working in an international team

### What you can expect from us

We offer you **varied and challenging work** in an **enthusiastic team**. You can **contribute with your ideas** and help **design new concepts**. **Regular training** is given, as are **flexible, family-friendly work arrangements**.

Appointment, remuneration and social security benefits based on the public-sector collective wage agreement (TVÖD).

In case of identical qualifications preference will be given to severely disabled candidates.

This vacancy is also available on a part-time basis.

Fraunhofer is Europe's largest application-oriented research organization. Our research efforts are geared entirely to people's needs: health, security, communication, energy and the environment. As a result, the work undertaken by our researchers and developers has a significant impact on people's lives. We are creative. We shape technology. We design products. We improve methods and techniques. We open up new vistas.

### Interested?

**We look forward to receiving your application!** Please submit it (in PDF format, including cover letter, CV, grade sheets and references) to: Claudia Kestler-Böhm, via our career portal, quoting reference number **IIS-2019-AME101**. Please apply for this position using the following link: <https://recruiting.fraunhofer.de/Vacancies/47181/Description/2>

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

Additional information is available on our website: [www.iis.fraunhofer.de/en](http://www.iis.fraunhofer.de/en)