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

**Master and Bachelor Thesis Students, Interns and Student Assistants**

for the Research Area »User Experience with Speech Assistants«

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 world-wide, in Europe, USA, China, Korea and Japan.

The Natural Language Processing (NLP) team develops speech assistants that understand and process natural language. We aim to develop user-friendly speech assistants, thus we study human-machine interactions (HMI) and user experiences (UX). We offer various interesting master thesis topics or topics for interns and student assistants in HMI and UX for NLP, e.g. communication of machine errors, preferences for speech assistant voice, emotion recognition in HMI and learning to communicate with speech assistants. We use Wizard-of-Oz studies, online surveys, user tests, and statistical methods to study HMI and UX.

**Your profile: You …**
- have good knowledge of statistics and statistical software (e.g. R or SPSS)
- have good knowledge of experimental methods with human participants
- study human-computer interaction, psychology, computational linguistics, psycholinguistics or a related field
- are highly interested in HMI and UX
- are self-motivated, focused and have analytical skills
- have excellent communication skills

**What you can expect from us**
- An open and cooperative working environment
- Collaboration in interesting and innovative projects
- Many opportunities to gain practical experience and attend seminars
- Part-time student assistant positions (8-12 hours per week on average – flexible scheduling)
- Full-time or part-time internships and thesis projects are available.

The topic will be assigned and carried out in accordance with the rules of your university. For this reason, please discuss the topic with a professor who can advise you over the course of the project. If you have any questions about this opening, please contact Dr. Birgit Brüggemeier,

birgit.brueggemeier@iis.fraunhofer.de

**Interested?**

Join our team and work with us on the technology of tomorrow!

Please apply for this position using the following link:

[https://recruiting.fraunhofer.de/Vacancies/42427/Description/2](https://recruiting.fraunhofer.de/Vacancies/42427/Description/2)

Applications are possible in **German and English**. Please include a cover letter, your CV and your latest transcripts of records (as PDF) and quote ID number **42427**. Address your application to Nina Wörlein.

For more information about the institute and its products and services, please visit: [www.iis.fraunhofer.de/en](http://www.iis.fraunhofer.de/en)