

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** department in **Erlangen**, the Fraunhofer Institute for Integrated Circuits IIS is currently seeking

Interns and Student Assistants

to work in the area of Audio Concealment, Audio Robustness and Audio Conformance

Our aim is to guarantee reliable audio decoder performance under any circumstances. We make sure, that our audio decoders behave

- as specified, when confronted with legal bitstreams
- controlled, when confronted with illegal bitstreams
- reasonable, when confronted with lost audio frames

Our goal is to make our state-of-the-art audio decoder implementations – being AAC, USAC/xHE-AAC and MPEG-H 3D-Audio – bulletproof. This involves:

- Automatic script based testing as well as evaluation of test results
- Definition and generation of test bitstreams as well as design and implementation of test methods
- Investigation and fixing decoder crashes and further decoder malfunctioning
- Development, implementation and test of state-of-the-art audio error concealment methods

You can choose among these work areas according to your personal skills and preferences. There are tasks for scripting, programming and/or developing.

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 experience with integrated development environments (eclipse, MSVC)
- have knowledge in programming languages, preferably C and/or Matlab
- are trained in script languages like Bourne shell and/or python
- 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 and cooperative working environment
- Collaboration in interesting and innovative projects
- Many opportunities to gain practical experience
- Part-time student assistant positions (8-12 hours per week on average - flexible scheduling) and 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?

Send your resume in PDF format to personalmarketing@iis.fraunhofer.de with reference **151067** and let us know how you learned about this opportunity.

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