

We have an immediate and exciting opening in our **Moving Picture Technologies** Department in **Erlangen** for

## **Interns and student assistants (f/m) in the area of audio processing for digital cinema applications**

You enjoy playing an active part in the audio processing for digital cinema applications? Then this is the right place for you!

Already, most cinema screens worldwide have been digitized. At Fraunhofer IIS, we developed software solutions for the creation and playback of **Digital Cinema Packages (DCPs)**. In order to assist the customer with the necessary tools to face some common challenges we would like to extend our audio processing capabilities. In particular, this includes an audio resampling module required for frame rate conversions. Additionally, content for digital cinema is required to meet certain loudness level limitations. Our software should automatically detect violations and should provide the opportunity to adjust the loudness level accordingly.

### **Your responsibilities:**

You support our Moving Picture Technologies Department during the evaluation of the required audio processing algorithms through specifying and developing the extended audio processing chain and through quality control, evaluation and documentation.

### **What we expect from you...**

- Currently studying computer science or a related field
- Knowledge of C++ and concepts of GUI
- Experience in signal processing in general or audio processing in particular
- First experience with Qt-framework (optional)

### **What you can expect from us:**

- Wide-ranging projects with high practical relevance
- Flexible hours that allow you to balance your studies and on-the-job experience
- An open and friendly work environment
- Extensive professional support from scientific mentors and
- Sufficient opportunity to develop your interests and skills

### **Now it's your turn!**

Send your detailed resume via e-mail to [personalmarketing@iis.fraunhofer.de](mailto:personalmarketing@iis.fraunhofer.de) and reference ID number **140168**. And don't forget to tell us how you learned about this opportunity.

Additional information on job openings can be found at: [www.iis.fraunhofer.de](http://www.iis.fraunhofer.de)