

Master Thesis/SW Internship

Online Annotation Tool for Sensory Effects

The Sensory Experience Lab (SELab) works on the development of the future home cinema. One aspect is the enhancement of video sequences by additional effects such as wind, vibration, or light. We are looking for students who want to write a master thesis in this area. The main goal is to develop an online annotation tool for sensory effects which can be used on various Web sites. This can either be a master thesis or an 8h-software internship.

Goal:

- ◆ Development of the annotation tool which should run in various Web browsers and on all Web sites.
- ◆ Effects such as wind, vibration, light, and scent should be annotated and resulting descriptions should be stored and loaded on/from an external server.
- ◆ The tool should be based on the MPEG-V: Media Context and Control standard (ISO/IEC 23005).
- ◆ **For master thesis:** a scientific survey of different annotation tools should be made.
- ◆ **For master thesis:** embedding effect descriptions into existing container formats (ISO/BMFF/MP4)

Requirements:

- ◆ Student of a technical study
- ◆ Programming knowledge in C/C++
- ◆ **Optional:** Knowledge in Web programming and HTML/HTML5

Start: with immediate effect

We are looking forward to your applications which should be sent to selab@itec.aau.at

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