We research, investigate and develop new technologies for digital audiovisual media. Together with our shareholders ARD, ZDF, Deutschlandradio, ORF and SRG/SSR and international partners, we work on innovations and practical solutions in the rapidly changing media environment.

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**Bachelor/Master Thesis**

on the topic „Comparison of different measurement methods to evaluate subjective image quality“

For the introduction of new video formats (e.g. UHDTV), image quality studies must first be carried out in order to then make usable decisions on video parameters. In addition to purely objective measurement methods (e.g. PSNR) or subjective tests with test persons, there are also various subjective measurement methods for determining the image quality, which take into account the human sense of sight and the different perception of colour, dynamics, resolution, coding artifacts, etc. In your thesis you will mainly examine the extent to which the measurement methods differ or are suitable depending on the genre or field of application.

What you bring:
- Field of study: media technology, media informatics or comparable field of study
- Knowledge in TV production for HD and UHD
- Basic knowledge in human visual system processes
- Team spirit with a commitment to responsibility
- Good communication skills in German and English

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