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.

Do you love to experiment? Do you like to work on new technologies and want to bring in your own ideas? Then join our team of experts and write your

**Bachelor/Master Thesis**

on the topic „UHD – colour reception for High Dynamic Range Applications“

The standardisation of UHDTV according to ITU-R BT.2100 including the introduction of the extended color space (Wide Color Gamut WCG) and the High Dynamic Range (HDR) also requires an adjustment of the display measurements and the tolerances, which the display has to maintain at a higher dynamic range, so that the human eye cannot perceive any differences. In addition to the research, an investigation (subjective test) will also be developed, planned and carried out in your thesis. The results will be used for further works of IRT and EBU.

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 colour science and colour reception
- Ideally knowledge of MATLAB or 3D graphics
- Team spirit with a commitment to responsibility
- Good communication skills in German and English

Your perspective at IRT:

You can work on exciting and challenging projects concerning current and future topics of media in an internationally renowned research and competence centre. We work in a highly motivated team with horizontal organisation structures. Flexible working hours as well as an attractive set of social benefits complete our offer to you. You can find further information at www.irt.de.

Would you like to join us on designing tomorrow’s media landscape? Then please direct your application to karriere@irt.de quoting the earliest possible starting date and your salary expectations to Ms. Gisela Schnell referring to ID “STA P03/2019”. Please note our privacy policies at www.irt.de/ppfa.