

## Bachelor Thesis

### Exploring the Potential of Mixed Reality Technology for Office Work

#### Problem Description

Covid-19 has changed the work environment for many office workers towards home office work. Such a massive change requires new technologies to increase people's productivity while working from home. One of the technologies that has great potential to support virtual office work is Mixed Reality (MR). In MR, users have access to both physical and virtual items and can manipulate them. Such technology can support home office workers to feel working back into the physical office. As an example, office workers can leverage Microsoft HoloLens to augment remote meetings. This technology has demonstrated its potential in other fields, e.g. manufacturing, e-learning, etc. However, there is a lack of knowledge on possible scenarios and the potential to leverage MR technology for office workers.

#### Goal of Thesis

- Investigate the current state of the art in using mixed reality technology for office workers
- Conduct survey studies to explore opinions about the potential of mixed reality technology
- Identify the possible research and practical ideas to integrate mixed reality in the future of office work

#### Requirements

- Strong time management and communication skills
- Strong analytical skills
- Interest in digital transformation research and new technologies
- Interested in survey design
- Good English skills

#### Contact



Dr. Peyman Toreini  
Email:  
[peyman.toreini@kit.edu](mailto:peyman.toreini@kit.edu)



Microsoft HoloLens

