



Introducing Holographic Displays in the Automotive Context

Open Bachelor/Master Thesis

Background

In driving, one goal of automotive user interfaces is to convey important information quickly. The other goal is to allow for a seamless and reliable interaction both in manual and automated driving. With the advent of stereoscopic (lume-pad.com) and holographic (lookingglassfactory.com) displays, novel information presentation and interaction concepts are available.

Research Goal

The aim of this thesis is to investigate how spatial awareness can be enhanced through the usage of such displays. Another goal is to develop cutting edge and innovative interaction concepts using the novel possibilities. A related work research should be conducted and interdisciplinary approaches should be considered.

A prototype should be designed and implemented that investigates some of these aspects. Finally, the defined hypothesis should be evaluated by conducting a study. The hardware and Unity SDKs are already available.

Based on bachelor/master level, the scope is adapted.

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