



# Incorporating Human Operators in Vehicle-Human Communication

## Open Bachelor/Master Thesis

### Background

Highly automated vehicles are about to be introduced at least for some use cases. Such vehicles will then become players in a socio-technical system involving pedestrians and other human drivers. However, most research has gone into technical solutions without special regard to the other players. Sometimes, there will be the need for communication between the automated vehicle and e.g. pedestrians. However, this communication could be disturbed by the human passenger e.g. by showing contradictory information. How can this be dealt with?

### Research Goal

The aim of this thesis is to investigate how to align the communication of vehicles and their passengers. A related work research should be conducted and interdisciplinary and information science approaches should be considered.

A prototype should be designed and implemented that investigates several of these aspects. Finally, the defined hypothesis should be evaluated by conducting a study.

Based on bachelor/master level the scope is adapted.

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