



Gender Influences on Take-Overs in Automated Driving

Open Bachelor/Master Thesis

Background

When a conditionally automated vehicle reaches a system boundary, the driver must take over control. Various previous studies showed differences in the driving performance between men and women in some situations. In this regard, there may be a difference in the takeover performance related to the gender of the driver. Similarly, there may be a difference in the effectiveness of takeover warnings, driver reaction times, and the subsequent driving performance.

Research Goal

The aim of this thesis is to investigate the influence of the driver's gender on takeover performance in automated driving. A related work research should be conducted and a prototype in virtual reality should be designed and implemented. Finally, the defined hypothesis should be evaluated by conducting a study.

Based on bachelor/master level
the scope is adapted.

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Images:

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<https://www.younginjurylaw.com/articles/driving-by-gender-who-causes-more-motor-vehicle-accidents/>