



# Information Needs and External Communication of Autonomous Helicopters

## Open Bachelor/Master Thesis

### Background

Highly automated helicopters are about to be introduced at least for some use cases. Such helicopters will then become players in socio-technical systems involving highly trained and novice users. However, most research has gone into technical solutions without special regard to the users. Users will be able to engage in a variety of non-driving related activities, but this technology has to be accepted before it can be widely deployed.

### Research Goal

The aim of this thesis is to conceptualize and test information needs and/or external communication necessity in autonomous helicopters. 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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