# Abstract

This master thesis examines the influence of unmanned ships on the ship's safety with the focus on fire safety.

The thesis consists of three main parts, a general part on unmanned ships, a discussion on current ship accidents and a closing chapter with an analysis of the influence of unmanned ships on ship safety specifically regarding fire safety.

The general section on unmanned ships gives an overview of what unmanned ships mean in concrete terms. In this section one finds, among other things, what unmanned ships are, their evolution and which type of ships are the most suitable. This offers a clear idea about an unmanned ship which forms the basis for further reading of the thesis.

Subsequently, the current ship problems are discussed. An overview is given of the different types and causes of the most common shipping accidents.

Finally, the influence of unmanned ships on these shipping accidents is examined. An analysis is made of the degree of probability that an accident with an unmanned vessel will occur. On the basis of the results of this analysis, the factors which have a positive or negative impact on ship safety in the case of unmanned ships are examined. These results will be used to focus on the fire safety on board unmanned ships. This last part of the study uses an own fact-tree analysis of case studies to compare fire safety on board unmanned ships with manned ships.