Technische Hochschule Ingolstadt

Faculty of Computer Science

The Future of AI in Air Traffic Management: Coordinating Autonomous Airliners and UAM within Busy Airspaces using AI

Seminar Paper

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Date: 2 May 2025

Affidavit

I certify that I have completed the work without outside help and without using sources other than those specified and that the work has not yet been submitted in the same or a similar form to any other examination authority and has been accepted by them as part of an examination. All statements that have been adopted literally or analogously are marked as such.

Ingolstadt, 2 May 2025

Signature

Abstract

The summary gives the reader a rough overview of the content (brief problem definition, approach, solution approaches and possibly key findings). The scope should be about half a page. This chapter is not mandatory and should only be considered optional.

Contents

1 Introduction (chapter title is placeholder)

This part of the work should have the following content:

- Introduction to the problem
- Motivation and derivation of the topic
- Structure of the work

A notice: It has proven helpful to compare the introduction with the summary or abstract and conclusion. This ensures that they correspond in terms of content in terms of objectives and motivation.

2 End

The conclusion should (re-)consider

- the topic
- the chosen approach
- the results of the work
- a critical statement/assessment
- next steps