# Adaptive Local Planning for Improved Pose Certainty in Active SLAM



# Robin Dominic Steiger

23. January 2025

University of Freiburg

Department of Computer Science

Chair of Computer Networks and Telematics

Prof. Dr. Christian Schindelhauer

 $in\ cooperation\ with$ 

Universidade de Lisboa
Instituto Superior Técnico
Institute for Systems and Robotics
Prof. Dr. Pedro Manuel Urbano de Almeida Lima

#### Candidate

Robin Dominic Steiger

#### Matrikel number

4146672

## Working period

 $21.\,08.\,2024 - 23.\,01.\,2025$ 

#### First Examiner

Prof. Dr. Christian Schindelhauer

# Second Examiner

Prof. Dr. Pedro Manuel Urbano de Almeida Lima

## Supervisors

AIS Freiburg: Dr. Lukas Luft, Dulce Adriana Gómez Rosal;

ISR Lisboa: Rui Bettencourt, Rodrigo Serra;

CoNe Freiburg: Sneha Mohanty

If you are interested in reading the complete thesis, please contact me via E-Mail (steigerobin @ hotmail.de).