

University of Gävle

Title of the Thesis

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Foreword

Abstract

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List of Abbreviations

ROS Robot Operating System

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1 Introduction

1.1 Background

Robot Operating System (ROS) [1]

1.2 Problem Formulation

1.3 Purpose

1.4 Research Objectives

1.5 Limitations

2 Theory

2.1 Theoretical Background

2.2 Technical Background

2.3 Literature Review

2.4 Related Work

3 Method

4 Results

5 Discussion

6 Conclusions

References

- [1] E. Erős, M. Dahl, K. Bengtsson, A. Hanna, and P. Falkman, “A ros2 based communication architecture for control in collaborative and intelligent automation systems,” *Procedia Manufacturing*, vol. 38, pp. 349–357, 2019, 29th International Conference on Flexible Automation and Intelligent Manufacturing (FAIM 2019), June 24-28, 2019, Limerick, Ireland, Beyond Industry 4.0: Industrial Advances, Engineering Education and Intelligent Manufacturing. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S2351978920300469>

Appendix A

Appendix B