

Development and Implementation of a Mobile Robot for Road Crack Detection

Abstract

Prupose - Please type your text here.

Design/methodology/approach - Please type your text here.

Findings - Please type your text here.

Research limitations/implications - Please type your text here.

Practical implications - Please type your text here.

Social implications - Please type your text here.

Originality/value - Please type your text here.

1 Introduction

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, [Graff Zivin et al.(2018)Graff Zivin, Hsiang, and Neidell] sunt in culpa qui officia deserunt mollit anim id est laborum.

2 Design Goals

I believe Kendall wanted the American Idol audition so much that she willed herself to move again. One of her friends brought a microphone to the hospital and put it on her bed. Every day, Kendall tried hard to pick it up with her right hand. It was more important for her to pick up that mic than a spoon or fork.

3 Robot Design Specifications

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

4 The robot motion scheme

4.1 The robot motion model

4.2 Manual remote control

4.3 Autonomous navigation

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore

magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

5 Image Processing

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

6 Testing and Experimental Results

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

References

[Graff Zivin et al.(2018)Graff Zivin, Hsiang, and Neidell] Joshua Graff Zivin, Solomon M Hsiang, and Matthew Neidell. Temperature and human capital in the short and long run. Journal of the Association of Environmental and Resource Economists, 5(1): 77–105, 2018. ISSN 2333-5955.