

ABSTRACT

Bachelor's thesis project on "Automated vehicle movement control system". The project consists of an introduction, three chapters, conclusions, a list of references and appendices. The project consists of 58 pages, 1 table, 19 figures, a list of references consisting of 13 titles, and 10 appendices.

The aim of the project is to develop a system for automated control of vehicle movements. The first chapter reviews and analyses existing vehicle tracking systems.

The second chapter discusses the existing technologies and methods for monitoring the movements of moving objects.

In the third chapter, presents schematic diagrams and electrical circuits, calculate metrological characteristics, and design a strain gauge modular sensor and its possible installation in a strain gauge floor, which is a feedback for capturing vehicle movements on its surface.

Keywords: motion tracking systems, tracker, strain gauge.