

I. IDENTIFICATION DATA

Thesis title:	Fiducial Marker-Based Multiple Camera Localisation System
Author's name:	Jiri Ulrich
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Computer Science
Thesis reviewer:	Dr Farshad Arvin
Reviewer's department:	Computer Science, Durham University, UK

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
<i>How demanding was the assigned project?</i>	
A very interesting project was carried out by the student. The idea of using multiple cameras to improve the performance of the localisation is a low-cost yet very effective method. This method can be used in many autonomous exploration scenarios as well as multi-agent systems.	

Fulfilment of assignment	fulfilled
<i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	
The thesis was prepared at a very high standard. Clear aim and objectives were defined, and the student followed the main goal throughout the project. This is a very high-quality MSc thesis.	

Methodology	outstanding
<i>Comment on the correctness of the approach and/or the solution methods.</i>	
The project was divided into two main sections, a) evaluation of the proposed method for a single-marker and b) the proposed multi-camera localisation system. The student showed an explicit knowledge of the implementation of the proposed methodology.	

Technical level	A - excellent.
<i>Is the thesis technically sound? How well did the student employ expertise in the field of his/her field of study? Does the student explain clearly what he/she has done?</i>	
The student carried out an outstanding level of theoretical and technical work. The experiments were defined with a clear plan and implemented, and the obtained results were statically analysed.	

Formal and language level, scope of thesis	A - excellent.
<i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	
The thesis was written at an excellent standard. It was perfectly organised and very well presented. The student demonstrated excellent academic writing.	

Selection of sources, citation correctness	A - excellent.
<i>Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?</i>	
The student provided a comprehensive literature review section and a very extensive references collection.	

Additional commentary and evaluation (optional)
<i>Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.</i>



THESIS REVIEWER'S REPORT

I am pleased with the quality of the thesis, research work and outcome of the project.

III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE

Summarize your opinion on the thesis and explain your final grading. Pose questions that should be answered during the presentation and defense of the student's work.

The grade that I award for the thesis is **A - excellent**.

Date: **6.6.2022**

Signature: