

I. IDENTIFICATION DATA

Thesis title:	Object Detection for UAV from Color and Depth Image
Author's name:	Mikhail Ivanov
Type of thesis :	Master
Faculty/Institute:	Faculty of Electrical Engineering
Department:	Department of Control Engineering
Thesis reviewer:	Karel Košnar
Reviewer's department:	CIIRC

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	Select: challenging
<i>How demanding was the assigned project?</i>	
Please insert your comments here .	

Fulfilment of assignment	Select: 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>	
All points of assignment are fulfilled.	

Methodology	Grade: A
<i>Comment on the correctness of the approach and/or the solution methods.</i>	
Selected methods are appropriate and the selection is supported by tests and experiments. The fusion of the color and depth based approaches is good idea.	

Technical level	Grade: B
<i>Is the thesis technically sound? How well did the student employ expertise in his/her field of study? Does the student explain clearly what he/she has done?</i>	
The described solution is technically sound and the student proves his understanding to the field of study. Only, it is not possible to compare the speed of algorithm of convolutional neural network using well optimized framework and implementation of algorithm in python.	

Formal level and language level, scope of thesis	Grade: B
<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 level of English language can be improved. Articles are sometimes missing and also some sentences have not the correct order. Otherwise, the thesis is well organized and easy to follow. I am also missing formal description of the problem statement.	

Selection of sources, citation correctness	Grade: C
<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>	
I expect more primary sources in the diploma thesis. Also the style of citation should be unified and follows better the standards.	

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>

Please insert your comments [here](#).

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

The thesis is very good but I find a number of small, mainly formal, mistakes. As I keep a grade A for the really perfect thesis,

the grade that I award for the thesis is **B**.

Date: 27/8/2020.

Name and signature:

Karel Košnar