

I. IDENTIFICATION DATA

Thesis title:	Land-cover satellite imagery classification
Author's name:	Bc. Viktor Müller
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Computer Science
Thesis reviewer:	doc. Ing. Miroslav Bureš, Ph.D.
Reviewer's department:	Computer Science

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
<i>How demanding was the assigned project?</i>	
Student solved a nontrivial problem in land-cover imagery recognition and classification; hence I consider the assignment difficulty as challenging.	

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 assignment was successfully fulfilled. I consider the amount of work spent during the project rather above the expected standard for Open Informatics master theses.	

Activity and independence when creating final thesis	A - excellent.
<i>Assess whether the student had a positive approach, whether the time limits were met, whether the conception was regularly consulted and whether the student was well prepared for the consultations. Assess the student's ability to work independently.</i>	
Student was very active and well self-motivated during his thesis, regularly consulted with me as well as with other colleagues advising on the project.	

Technical level	A - excellent.
<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>	
I consider the technical level of the thesis as well as the way how student structured the problem and approached it as excellent. The thesis result is well applicable and the output has potential to be further evolved and be utilized in an experimental rescue mission planning and management system.	

Formal level and language level, scope of thesis	B - very good.
<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>	
Thesis is written in good English, some style and minor grammar issues can be found, however, overall the language level is well acceptable. Thesis text is well structured and easy to follow.	

Selection of sources, citation correctness**A - excellent.**

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?

Student cites 43 sources, the majority of them research papers relevant to the topic. During reading of the thesis, I have not found any violation of publication ethics.

Additional commentary and evaluation (optional)

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.

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.

Student successfully solved complex problem in land-cover imagery recognition and classification. The output is practically useful and has potential to be successfully applied in a real-life experimental rescue mission management system employed by the Czech Police and Mountain Rescue Service.

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

Date: **8.6.2021**

Signature: