

I. IDENTIFICATION DATA

Thesis name:	Mobile Network Optimization Exploiting Multi-Access Edge Computing
Author's name:	Jakub Nový
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Telecommunication Engineering
Thesis supervisor:	Ing. Tomáš Kukrál
Supervisor's department:	External

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
<i>Evaluation of thesis difficulty of assignment.</i>	
This thesis is more challenging compared to the average thesis delivered by most of the students.	

Satisfaction of assignment	fulfilled
<i>Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.</i>	
Assignment was fully satisfied. Student delivered example code, verified his hypothesis and the code will be contributed to upstream of OpenAirInterface.	

Methodology evaluation	A - excellent.
<i>Assess that student was using right approach to solve the assignment.</i>	
Problem and current state of MEC is presented and the beginning. Next parts are analyzing possible solutions and proposing ways to exploit Multi-Access Edge computing methods together with description of consequences. It should be noted that simulation was provided to support proposed solution.	

Technical level	A - excellent.
<i>Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.</i>	
It's obvious that student is able to use various sources, analyzes them properly and present his own ideas and solutions.	

Formal and language level, scope of thesis	B - very good.
<i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.</i>	
This thesis complies with all major formal requirement. However, there are few details which can be corrected. There are some typos but most of them are harmless and "content caching" is nice motivation to think about connection between caching and caching. Verbatim blocks of console output should be presented instead of console screenshots.	

Selection of sources, citation correctness	A - excellent.
<i>Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.</i>	
Right.	

Additional commentary and evaluation

Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.

This thesis is focusing mostly on MAC and it may be beneficial to focus on other aspects of edge cloud problems like MEH orchestration and clustering. However, I don't consider this lack of information to be a problem and it may be considered as a future work.

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation.

This work is providing good introduction into network optimization and use of MEC concept. It's obvious that student gained more than a good knowledge of edge cloud area and delivered simulation supporting his proposal.

Questions:

- *How did you solved (or reported) segfault problems when using SDR board?*
- *What is the current state of merging your code into OAI repository?*

I evaluate handed thesis with classification grade .

Date:

Signature: