

## **OPPONENT'S EVALUATION OF THE BACHELOR'S THESIS**

**Student:** Eliza Nageb Toma Rassam

**Opponent:** Ing. Jiří Korbel, Ph.D.

Study program: **Software Engineering**

Study course/Specialization:

Academic year: **2022/2023**

Bachelor's Thesis topic: **Security of Wi-Fi Networks**

### **Evaluation of the thesis:**

The work is focused on describing of the wireless network security. The theoretical part contains the description of the IEEE standards, encryption methods and other parameters. Another part is focused on the most common attack on the wireless networks. Practical part conducts a research of the Wi-Fi security in 12 different areas. Results of scanning each area are summarized in tables with the number of networks using particular security settings.

Questions to defend the work:

1. How changing SSID will improve the security? SSID is broadcasted in default settings. – p. 50
2. Is it true that Wireless Access Points have no security settings? – tab. 5
3. What are the empty lines in the practical part tables?
4. Explain the meaning of lines like “WPA3 WPA2” in the results tables.
5. What will be your recommendation for configuring Wi-Fi network for SOHO environment in comparison with Enterprise environment? Will be both the same?

### **Overall evaluation of the thesis:**

The Opponent shall grant a mark according to the ECTS classification scale:

A – Excellent, B – Very Good, C – Good, D – Satisfactory, E – Sufficient, F – Insufficient

An “F” grade also means "I do not recommend the thesis for defence."

**I recommend this thesis to be defended and suggest the following evaluation:**

**C - Good**

**In the case of an evaluation grade of “F – Insufficient”, please supply the main shortages and reasons for this assessment.**

Date: 2. 6. 2023

Thesis Opponent's Signature: