SUPERVISOR′S OPINION OF FINAL THESIS

I. IDENTIFICATION DATA

Thesis name:	Graph Generative Models for Decoy Targets in Active Directory
Author's name:	**Ondrej Lukas**
Type of thesis :	Master Thesis
Faculty/Institute:	Faculty of Electrical Engineering
Department:	Computer Science
Thesis supervisor:	Sebastian Garcia
Supervisor's department:	Computer Science

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	**Challenging**

Evaluation of thesis difficulty of assignment.

The difficulty of the assignment was challenging because the problem of correctly placing a honeypot in an environment is know to be extremely hard due to the exponential amount of links and data and due to the real attackers evaluating it.

Satisfaction of assignment	**Fulfilled**

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.

The work was completely fulfilled to the expectations

Activity and independence when creating final thesis	**A. Excellent**

Assess that student had positive approach, time limits were met, conception was regularly consulted and was well pre-pared for consultations. Assess student's ability to work independently.

The student met all the limits, consulted regularly and was prepare for every meeting. He is complete able to work independently.

Technical level	**A. Excellent**

Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.

The level of thesis speciality, language and study of expert literature, sources and data were excellent.

Formal and language level, scope of thesis   **A. Excellent**

Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.

The thesis has the correct usage of formal notation and language.

Selection of sources, citation correctness   **A. Excellent**

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.

All the important references are included and the sources and citations were done correctly. All the text was checked and verified.

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.

The thesis achieved the primary goals of the thesis, fulfilling the theoretical results the functionality of the software and the experiments.

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

The thesis fulfilled its goals and presented a novel implementation of a DAG encoder using different model of neural networks that were combined to obtain a very good generator of graph structures for the problem. I'm particularly happy with the TensorFlow implementation of the new neural layers since it shows the proficiency of the student in the techniques.

I evaluate handed thesis with classification grade **A**

Date: **Jan, 21th, 2021**
Sebastian Garcia, PhD
Thesis supervisor   Signature