SUPERVISOR′S OPINION OF FINAL THESIS

I. IDENTIFICATION DATA

Thesis name:	Trust Models on Adversarial Distributed Security Agents
Author's name:	**Dita Hollmannova**
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	**Extraordinarily Challenging**

Evaluation of thesis difficulty of assignment.

The difficulty of the thesis assignment was extraordinary challenging. The problem of a peer to peer network of distributed agents with trust models in adversarial settings is a state-of-the-art problem that is not completely solved in the area.

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 prepared for consultations. Assess student's ability to work independently.

The student had a positive approach, the time limits were met and was prepared for all consultations. The student can 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.

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 fulfilled its primary goals successfully. The level of theoretical results and functionality were met, from the software conception and design to the experiments performed.

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Dita managed to create a very good research on a new trust model for distributed agents that is useful, novel, verified and implemented. Her proposed model is a good contender for state-of-the-art trust models and it has already been implemented in a real IDS. More importantly her evaluation of the performance of the model considering dozens of realistic scenarios was very important to correctly estimate its performance and limits. I consider this thesis as a very good achievement.

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

Date: **June, 17th, 2020**   Signature: