I. IDENTIFICATION DATA

Thesis name:	**Pedestrians Detection in Images for Autonomous Vehicles**
Author's name:	**Di Yang**
Type of thesis:	master
Faculty/Institute:	Faculty of Mechanical Engineering (FME)
Department:	Department of Instrumentation and Control Engineering
Thesis supervisor:	Ing. Cyril Oswald, Ph.D.
Supervisor's department:	Department of Instrumentation and Control Engineering

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment   **challenging**

Evaluation of thesis difficulty of assignment.

The main goal of the thesis is to design a method based on the deep neural networks for pedestrian detection in still images. This topic is, in my opinion, challenging for the master thesis especially for student of the Faculty of Mechanical Engineering.

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 student fulfilled the assignment in all points.

Activity and independence when creating final thesis   **B - very good.**

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 has a positive approach, and works independently. He was able to work in all my remarks to his thesis. He consulted his work regularly in the beginning and at the end of his work only.

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 technical level is good. The student uses his knowledge gained by study and was able to gain new necessary knowledge from the expert literature himself.

Formal and language level, scope of thesis   **A - excellent.**

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

The formal level of the thesis is at a the good level.

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.

The selection of sources is good and all citations are correct.

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.

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

The assignment of the thesis, to detect pedestrians in still images by deep neural networks, was challenging. The student fulfilled his assignment in all points. He worked independently and was able to gain new necessary knowledge from expert literature himself. The formal and language level of the thesis is good. The selection of literature is satisfying and all citations are correct.

I evaluate handed thesis with classification grade **A - excellent.**

Date: **20.6.2019**   Signature: