

Assessment proposed by the supervisor: **Very Good**

Assessment proposed by the reviewer: **Good**

### Course of the defence:

#### Presentation

The student introduced his Master thesis with the topic „Creating an algorithm for AGV Control“. In his presentation, the student presented the aims of his Master thesis, informed attendees with the course of its solution and the results he obtained. In addition, the student brought the prototype of the designed control system and showed the videos presenting how the system works in practice.

#### Reviews

The student's supervisor, Ing. Petr Keller, Ph.D., informed the committee about his evaluation of the thesis including its classification. The reviewer, Ing. Jiří Mačenka, Ph.D., was not present during the defense, his review was read by the student's supervisor (evaluation and classification).

The student fully answered on the questions from the supervisor's and the reviewer's evaluations.

#### Discussion

##### doc. Ing. Pavel Kopeček, CSc.

What is the speed of the vehicle?

Answered

You said during your presentation that the vehicle has 5 sensors. Later you spoke only about 3 sensors. What is the purpose of the remaining sensors?

Answered

On the control panel, you send steering commands to vehicle using wi-fi connection. How many commands are there?

Answered partially

##### Ing. František Koblasa, Ph.D.

Is there a physical controller in your prototype?

Answered

What are the functions of 3 buttons on the control panel?

Answered

In both reviews, you received the questions about usage of tags instead of lines. How far do you expect those tags can be?

Answered partially

What is the disadvantage of using programmed path instead of a line?

Did not answer

#### Conclusion

The committee evaluated the presentation of Master thesis, the student's answers during discussion and the reviews from the supervisor and the reviewer.

#### Examination board members:

doc. Ing. Pavel Kopeček, CSc.

doc. Ing. Radomír Mendřický, Ph.D.

doc. Ing. Milan Edl, Ph.D.

Ing. František Koblasa, Ph.D.

Ing. Miloš Šikola, MBA

Ing. Radek Votrubec, Ph.D.

Ing. Maryna Garan, Ph.D.

Ing. Martin Lachman, Ph.D.

Assessment: **Very Good minus**

Date of defence: **June 10, 2022**

doc. Ing. Pavel Kopeček, CSc.

committee chairman