DIPLOMA THESIS EVALUATION
OPPONENT EVALUATION

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Opponent: Dipl.-Ing. Egmont Schreiter

Thesis title: Hard- and Software Development for a Mobile Robot based on RaspberryPi and OpenCV

A. Abstract quality, keywords matching . . . . Excellent (1)

B. Research scope and processing . . . . Excellent (1)

C. Level of theoretical part . . . . Excellent (1)

D. Appropriateness of the methods . . . . Excellent (1)

E. Results elaboration and discussion . . . . Excellent (1)

F. Students own contribution . . . . Excellent (1)

G. The conclusion statement . . . . Excellent (1)

H. Fulfillment of Thesis tasks (goals) . . . . Fulfiled

I. Structure, correctness and fulness of references . . . . Excellent (1)

J. Typographical and language level . . . . Excellent (1)

K. Formal quality . . . . Excellent (1)
   (text structure, chapters order, clarity of illustrations)

Comments, remarks

   - Thesis deals with Hard- and Software Development for a Mobile Robot based on RaspberryPi and OpenCV

   - Tasks were: - Choose a suitable hardware platform for mobile robot

         - Implementation of access to robot devices like sensors, engines etc.

         - Porting of OpenCV computer vision library to the embedded RaspberryPi platform

         - Detection of objects with OpenCV

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a mezioborových studií

Overall assessment:

- excellent work with a lot of practical effort

Questions for the defense:

1. Can you explain the main features of RaspberryPi ?
2. Why did you decide for RaspberryPi ?
3. What are the main features of the OpenCV Computer Vision library ?
4. Can you show some features of your robot live ?
....

Overall classification:

Work meets the Master degree requirements and therefore I recommend it for defense

I suggest to classify this work by grade   Excellent (1)

In Zittau

date 04.01.2016

By signing I certify that I am not in any personal relationship with the author of the thesis

.. E. Schreiter

Opponent signature

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