THESIS SUPERVISOR'S REPORT

I. IDENTIFICATION DATA

Thesis title:	**Test stand design and Automated Sequences Implementation**
Author's name:	**Maxime Wach**
Type of thesis :	master
Faculty/Institute:	Faculty of Mechanical Engineering (FME)
Department:	Automotive, ICE and Rail Vehicles
Thesis reviewer:	Gabriela Achtenova
Reviewer's department:	Automotive, ICE and Rail Vehicles

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	**challenging**

How demanding was the assigned project?

The project covers several disciplines of engineering: Design, assembly, data acquisition, control, data post-processing.

Fulfilment of assignment	**fulfilled**

How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.

The assignment was filled

Activity and independence when creating final thesis	**C - 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.

I had very rarely contact. But Maxime was very good supervised by TU Chemnitz.

Technical level	**B - very good.**

Is the thesis technically sound? How well did the student employ expertise in the field of his/her field of study? Does the student explain clearly what he/she has done?

The technical is very good. Maxime did a lot work. He still is not capable to present his work properly, although he tremendously improved.

Formal and language level, scope of thesis	**E - sufficient.**

Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?

In the master thesis there are several formal errors like missing references (e.g. p. 3, 4, 11,..), wrong reference to a figure (e.g. p. 27), missing legend (e.g. fig 4), small mistakes in language. The master thesis covers almost 80 pages, written very dense, many pages without figures, which would help understanding. Some of the solutions describe the solutions for 1 : 1 stands, but cannot be applied for 1 : 10 scale. In the text is very hard to distinguish about what the authors really writes – if about the real car or about the 1 : 10 model.

Selection of sources, citation correctness	**A - excellent.**

Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?

The sources and generally their citation

Additional commentary and evaluation (optional)

Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.

None

III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE

Summarize your opinion on the thesis and explain your final grading.

For a second chance of defence and for the fact that Maxime worked on his master thesis daily on the TU Chemnith one year, I expected better performance.

I would have following question. You achieved very high difference in the coefficients measure by coast down method. How was ensure that the EM was really discoupled?

The grade that I award for the thesis is **C - good.**

Date: **4.9.2019**   Signature: