

Assesment proposed by the supervisor of Master 's thesis: **Excellent**
Assesment proposed by the reviewer of Master 's thesis: **Excellent**

Course of the defence:

This Master 's thesis was already successfully defended at the Hochschule Zittau / Goerlitz within double degree study programme Mechatronics with the grade A assessment according to the ECTS grading scale.

The study and defense in Zittau is documented by:

The Transcript of records dated 13. 1. 2017 with the study results during the 3rd semester in Zittau and the Master 's thesis evaluations.

The Master 's thesis evaluations are documented by the prof. Dr.-Ing. Alexander Kratsch, University of Applied Sciences

Zittau/Goerlitz, dated 12. 9. 2016. The supervisor's rating proposal for thesis (university) is A, the opponent's rating proposal for thesis (company) is A.

During the Final State Examination in Liberec, and in accordance with Article 14 of the "Study and Examination Regulations TUL", paragraph (7) student met the Commission with the assignment of the thesis and objectives. Student described the method and processing and said main results of his Master 's thesis in 11 minutes.

Discussion of the issues raised by the members of the Committee:

- The Committee in Liberec acquainted itself with course of the defense in Zittau and did not comment.

Formal comments on the Master 's thesis raised by the members of the Committee:

- The results of the defense in Zittau were adopted by Committee at TUL.

Committee No.3 - MEA:

chairman: **doc. Dr. Mgr. Ing. Jaroslav Hlava**, MTI, FM

vice-chairman: **doc. Ing. Osvald Modrlák**, CSc., MTI, FM

members: **prof. Dr. rer. nat. Stefan Bischoff**, HS Zittau, SRN
doc. Mgr. Ing. Václav Záda, CSc., MTI, FM
Ing. Lukáš Hubka, Ph.D., MTI, FM
Ing. Jan Koprnický, Ph.D., MTI, FM
Ing. Martin Pustka, Ph.D., VÚTS a.s. Liberec

secretary: **Ing. Martin Kysela**, MTI, FM

Assesment: **Excellent**

Defence date: February 2, 2017

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Committee Chairperson's signature