

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

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 B assessment according to the ECTS grading scale.

The study and defense in Zittau is documented by:

The Transcript of records dated 18. 9. 2015 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. rer. nat. Stefan Bischoff, University of Applied Sciences Zittau/Goerlitz, dated 4. 1. 2016. The supervisor's rating proposal for thesis (university) is B, the opponent's rating proposal for thesis (company) is B.

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 9 minutes.

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

- **Ing. Jan Koprnický, Ph.D.:** In section 11 - verification was mentioned the state of the system during thesis writing. How does it look now and how did you verify your diag. system?

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: **prof. Ing. Jaroslav Nosek, CSc., 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: *Very good*

Defence date: February 2, 2016

[Signature]
Committee Chairperson's signature