

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 C assessment according to the ECTS grading scale.

**The study and defense in Zittau is documented by:**

The Transcript of records (dated 28 November 2013) with the study results during the 3rd semester in Zittau (30 ECTS credits) and the Master's thesis and Defence evaluation by 30 credits and 1,7 assessment of the local scale.

The Master's thesis Review is documented by the Prof. Dr.-Ing.A.Kratsch, University of Applied Sciences Zittau/Goerlitz, dated 27.11.2013. The Rating proposal for thesis (university) is 1,7 of the local scale, the Rating proposal for thesis (company) is 1,7 of the local scale.

*The assessment 1,7 corresponds to the grade C in accordance with the ECTS grading scale.*

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 13 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 - ME, MEA, EIS:**

chairman: **doc. Dr. Mgr. Ing. Jaroslav Hlava, MTI, FM**  
vice-chairman: **prof. Ing. Zdeňek Plíva, Ph.D., ITE, FM**  
members: **doc. Ing. Osvald Modrlák, CSc., MTI, FM**  
**doc. Mgr. Ing. Václav Záda, CSc., MTI, FM**  
**Ing. Pavel Šidlof, CSc., VÚTS a.s. Liberec**  
**Ing. Lukáš Hubka, Ph.D., MTI, FM**  
**Ing. Jan Koprnický, Ph.D., MTI, FM**  
secretary: **Ing. Pavel Jandura, MTI, FM**

ECTS Grade: C

Assesment: **Very good**

Defence date: **February 4, 2014**

.....  
signature of committee chairpersons