

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.

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 7 minutes.

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

doc. Ing. Osvald Modrlák, CSc.

What mechanism of saved energy was used? How long can the saved energy be used?

- The Committee in Liberec acquainted itself with course of the defense in Zittau.

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

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

Committee No.4 - MEA, ME:

chairman: **doc. Ing. Osvald Modrlák, CSc., MTI, FM**
vice-chairman: **doc. Ing. Petr Tůma, CSc., MTI, FM**
members: **Ing. Martin Pustka, Ph.D., VÚTS Liberec**
doc. Mgr. Ing. Václav Záda, CSc., MTI, FM
Ing. Lukáš Hubka, Ph.D., MTI, FM
Ing. Jan Koprnický, Ph.D., MTI, FM
Ing. Jiří Jeníček, Ph.D., ITE, FM
secretary: **Ing. Pavel Jandura, MTI, FM**

ECTS Grade: A

Assesment: **Excellent**

Defence date: **February 3, 2015**

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Committee Chairperson's signature