

**Czech Technical University in Prague**  
**Faculty of Mechanical Engineering**  
**Department of Designing and Machine Components**

**Opponent Assessment of Bachelor Thesis**

**Thesis title:** Design of a Belt Conveyor System Drive

**Author:** Zahra Derikvand

**Summary of the thesis:**

This thesis is aimed at the design of belt conveyor drive. The first part of the work gives general information about different types of conveyors. The following parts are focused on the calculations and design of the specific belt conveyor and the drive.

**Formal comments on the thesis:**

I have no formal comments on the thesis.

**Factual comments on the thesis:**

The part of the work regarding the design of the drive could be done in more detail. The whole calculation process is not necessary to describe in details, however, the basic procedure and main equations should be mentioned.

**Comments on the drawings:**

There are no serious mistakes in the drawing documentation. Design of some details is not chosen very properly.

**Questions for the defence:**

1. What types of take up units (tensioning of the belt) for the belt conveyor do you know?
2. What equation did you use for preliminary design of module of the gearings?

**Final assessment:**

I recommend this bachelor thesis for the defence.

**Classification**      **A (excellent)**

**Datum:** 21.8.2015

**Opponent:**

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Ing. Pavel Malý