

Supervisor assessment of Master's Thesis

Student: Charvát Michal, Bc.

Title: System for People Detection and Localization Using Thermal Imaging Cameras (id 23220)

Supervisor: Dražanský Martin, prof. Ing., Dipl.-Ing., Ph.D., DITS FIT BUT

1. Assignment comments

I consider the assignment to be more demanding, because it was necessary to combine hardware and software and verify the solution on the data in a real deployment, which was successful. The real verification took place in the National Museum in Prague and the results are clearly applicable in practice. The assignment was fulfilled in all points and I am personally very satisfied with the solution.

2. Literature usage

Mr. Charvát found almost all the sources of study on his own, but he also followed the supervisor's recommendations. All sources are relevant and their use is correct.

3. Assignment activity, consultation, communication

The student was very active from the beginning of the solution. Thanks to his internship at FH Vorarlberg, these consultations took place mainly electronically, but I personally participated in the installation at the National Museum and the presentation of the results. All consultations were technical, the student was prepared for them and the course was always leading to finding a solution.

4. Assignment finalisation

The implementation part was completed in a big advance, the text part in shorter advance, but I managed to comment on the final content.

5. Publications, awards

I do not know the publishing activity of the current solution, as well as any award. However, we have agreed that the results will be published in cooperation with the National Museum.

6. Total assessment

excellent (A)

As this is a more demanding assignment, the solution turned out well and works, the student continuously consulted and came to the solution in advance, including testing in a real environment (National Museum), I propose a summary grade **A (excellent)**, at the top (*98 points*).

In Brno 3 August 2020

Dražanský Martin, prof. Ing., Dipl.-Ing., Ph.D.
supervisor