

Supervisor assessment of Master's Thesis

Student: Aubrecht Tomáš, Bc.

Title: Generation of Synthetic Retinal Images with High Resolution (id 21968)

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

1. Assignment comments

I consider the assignment of this diploma thesis to be slightly more difficult, as it was partly a research topic. So far, there are not enough usable solutions in the scientific field for generating high-quality synthetic retinal images. The content of the work is a follow-up to long-term research of the STRaDe group in the field of retinal image acquisition and processing. All assignment points have been met.

2. Literature usage

Mr. Aubrecht found all the study sources on his own, reflecting on the recommendations of the supervisor and other members of the STRaDe research group. All sources used are relevant to the content of the individual parts of the technical report.

3. Assignment activity, consultation, communication

The student worked very actively from the beginning and collaborated with Dr. Sangeeta Biswas in our team. There were just few consultations with the supervisor, but those that took place were technical and the student was properly prepared for them. The student always met the deadlines for consultations.

4. Assignment finalisation

At the end of the work, I did not hear much about the student until I found out that the work has been submitted. The final content of the software solution was presented partially, but the final content of the technical report was not.

5. Publications, awards

I am not aware of any awards or the student's publishing activities.

6. Total assessment

very good (B)

The assignment is more demanding, the algorithmic solution is functional, but the technical report was not finally consulted and also the total number of consultations is very small. In summary, therefore, I propose a grade **B (very good)** rating.

In Brno 16 June 2020

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