

Opponent's Review of Master's Thesis

Student: **Bc. Filip Ryšavý**

Thesis title: **Mobile app for MyICPC with context acquisition for IoT environments**

Review written by opponent: **Ing. Pavel Strnad, Ph.D.**

Main objective of the thesis was to implement mobile application for MyICPC including context acquisition. The gathered context is stored in MyICPC server for further analysis.

The thesis is well structured and conforms all standard typographic rules.

The text of the thesis consists of seven parts. Chapters Introduction and Analysis are describing motivation and state of the art in context-aware application, however deeper analysis on existing solutions is missing.

Chapter Design describes some design decisions of mobile app and server app, anyway I would expect more words and figures describing the overall architecture of the app (Object model, Use Case diagram, etc.).

In Chapter 4 author describes development environment and implementation details that are important, but overall picture of the application is missing (Class diagram, Sequence diagram, etc.).

Chapter 5 - Testing briefly describes methods of testing used for the evaluation of the application, some subsections are quite short and it makes this section more hard to read. But this is a question of writer's style.

Chapter 6 - Evaluation contains results of tests. Test results are very brief and I think it will be difficult to repeat them in the future again, because the testing environment is not clearly described.

The author for sure has done a lot of work in the implementation and the resulting application will help in future research of context aware methods. In despite of the critics above I recommend the thesis to defense and my suggestion for evaluating is **C - Good**.

Questions

How is a current model of context extensible (Figure 3.6)? What will have to be done to extend this context by new data fields?

V Praze 7.6.2018
Ing. Pavel Strnad, Ph.D.