I. IDENTIFICATION DATA

Thesis name:	**Subjective speech intelligibility testing methodology design inspired by ITU-T P.807 Deploying Parallel Load and Virtual Reality**
Author's name:	**Michaela Urbanovská**
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Cybernetics
Thesis reviewer:	Ing. David Sedláček, Ph.D.
Reviewer's department:	Department of Computer Graphics and Interaction

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment   **ordinarily challenging**

Evaluation of thesis difficulty of assignment.

The assignment focus on an implementation of dual task test in a common framework (Unity engine).

Satisfaction of assignment   **fulfilled**

Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.

The assignment was fulfilled without obligations.

Method of conception   **correct**

Assess that student has chosen correct approach or solution methods.

The dual task is well designed using game concepts. The test was performed with real users, and I believe, that methodology for intelligibility testing was observed (I am not familiar with necessary methodology background to evaluate it).

Technical level   **B - very good.**

Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.

The work misses logical consecution from proposal to realization. The implementation is described in chapter 6, 7, 8 and 9 followed by the description of implemented test scenario in chapter 10. The first should be a design of the test scenario followed by implementation details.

Formal and language level, scope of thesis   **C - good.**

Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.

- English is quite good.
- There are quite often typos and problems with articles. Grammatical errors are not so often.
- Flat structure (too many first level chapters)
- Figures are not referenced from the text.
- VR claims stated in chapters 3 and 4 are not supported with references.

- Inaccurate expressions.
- The table in Appendix A should have line numbers to correspond with the graph in Appendix B.

- The source code is not commented.

Selection of sources, citation correctness   **A - excellent.**

Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.

Additional commentary and evaluation

Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.

- Mental and physical task - page 4. I am not sure if the virtual reality is enough tough mental task. This claim should be referenced or measured. Here it is an assumption only.
- A teleport feature is not incorporated in the test scenario, so it looks like it is redundant or off-topic.
- There is no description how the sample files (audio) are interconnected with words definition (MRT_words.txt or mrt_res.csv).

Pros:

- Successfully implemented application for dual-testing using VR.
- The presence of the tutorial, even with some usability issues (a lot of works forget to add tutorial).

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation. Please present apt questions which student should answer during defense.

The final application and performed testing shows this work as successful. I have to reduce the final classification grade with respect to the thesis text part.

I evaluate handed thesis with classification grade **B - very good.**

Date: **11.6.2017**   Signature: