# SUPERVISOR'S OPINION OF FINAL THESIS

## I. IDENTIFICATION DATA

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| **Thesis name:** | **High Frequency Oscillation Analysis in Malformation Cortical Development Patients** |
| **Author's name:** | **Bc. Martin Dostál** |
| **Type of thesis :** | master |
| **Faculty/Institute:** | Faculty of Electrical Engineering (FEE) |
| **Department:** | Department of Radio Engineering |
| **Thesis supervisor:** | Petr Ježdík, MSc., PhD. |
| **Supervisor's department:** | Department of Circuit Theory |

## II. EVALUATION OF INDIVIDUAL CRITERIA

| **Assignment** | **challenging** |
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*Evaluation of thesis difficulty of assignment.*

HFO phenomenon in scalp EEG is currently not well described in scientific papers, the assignment expected student's patience and systematic scientific approach in the work, when identifying the problem and formulating the hypotheses.

| **Satisfaction of assignment** | **fulfilled** |
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*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 thesis overall meets the assignment, even if the statistics in MCD subdivision is not strong. Student shows a promising way for the data analysis and when the new data are available, the statistics is going to be performed.

| **Activity and independence when creating final thesis** | **A - excellent.** |
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*Assess that student had positive approach, time limits were met, conception was regularly consulted and was well prepared for consultations. Assess student's ability to work independently.*

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| **Technical level** | **A - excellent.** |
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*Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.*

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| **Formal and language level, scope of thesis** | **A - excellent.** |
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*Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.*

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

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| **Additional commentary and evaluation** |
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*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.*

The work was presented at students technical conference POSTER 2019, the work was awarded as the most outstanding

paper in biomedical section

### III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

I appreciate the student's independence, technical skills and patient systematic scientific work, I recommend an application for a postgraduate program.

I evaluate handed thesis with classification grade**A - excellent.**

Date: **3.6.2019**                    Signature: