# Zápis z obhajoby disertační práce

konané dne 29. 3. 2023 na ČVUT Fakultě strojní v Praze od 10:00 hodin

disertant **Ing. Ondřej Miláček**

na téma: **„New possibilities for gearwheels of automotive gearboxes“**

Studijní program Strojní inženýrství, obor Dopravní stroje a zařízení

**Stručné zhodnocení průběhu obhajoby:**

Start of defence: 10:05.

Prof. Macek welcomed the committee members and other participants. Firstly all the committee members were introduced. Prof. Macek acquaint the committee with brief CV of Ondřej Miláček. The tutor of PhD thesis shortly summarized the working habits and study procedure of student.

Committee chairman requested Ondřej Miláček to show the committee main outcomes from his research. Time limit was set to 20 to maximally 30 minits. The student clearly explained the procedure he followed, his reasoning, used methods, all intermediate steps necessary to achieve main goals, and showed main outcomes.

The chairman requested the reviewers to summarize their reviews. Two reviewers were present at CTU in Prague. Dr. Michael Andersson was connected online via Teams. The reviewers summarized main points, questions and conclusions from their reviews. Student replied to all questions asked in the reviews.

Free discussion was opened by the chairman.

The defence ended at 11:40 o'clock.

Dotazy a připomínky

Submitted separately.

V neveřejné části proběhla širší debata všech členů komise a školitele, byl sestaven zápis, který byl schválen aklamací. Komise hlasovala o výsledku obhajoby v tajném hlasování.

Výsledek tajného hlasování: počet odevzdaných hlasů 8, počet neplatných hlasů 0, hlasů pro 8, hlasů proti 0.

*Komise doporučuje ~~nedoporučuje~~ děkanovi udělení titulu Ph.D. na základě výsledků tajného hlasování.*

prof. Ing. Jan Macek, DrSc.
předseda komise

Obhajoba skončila v 12 hodin 15 minut

**Obhajoba DP Ing. Ondřeje Miláčka, která se koná dne**

**29.3.2023**

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**Dotazy a připomínky:**

U testovaného souboru 3. přístupu se vyskytuje pidlig jednou na hlavě nohu, podruhé na patě nohu.
Je to náhoda, nebo je to důsledkem nesymetrického rozdělení tlakového pole podél svalu nohu?

**Jméno tazatele (hůlkovým písmem):**

NOVOTNÝ Bohuslav

**Obhajoba DP Ing. Ondřeje Miláčka, která se koná dne**

**29.3.2023**

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**Dotazy a připomínky:**

JE OXIDACE V PATĚ U SVITEK. DÍLŮ?

JE TENTO MATERIÁL (PM) NÁCHYLNÝ NA OXIDACI PŘI TEPELNÝCH ZPRACOVÁNÍ?

**Jméno tazatele (hůlkovým písmem):**

JAROSLAV PROKOP

**Obhajoba DP Ing. Ondřeje Miláčka, která se koná dne**

**29.3.2023**

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**Dotazy a připomínky:**

What was the procedure to select the densification of gear flanks?

Where (and when did) the manufacturing process ~~took~~ take part?

The material after sintering is brittle.

**Jméno tazatele (hůlkovým písmem):**

Dr. Andersson

Obhajoba DP Ing. Ondřeje Miláčka, která se koná dne

29.3.2023

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Dotazy a připomínky:

What assumptions were set for contact pressure simulations in FEM?

Jméno tazatele (hůlkovým písmem):

Jan Macek

**Obhajoba DP Ing. Ondřeje Miláčka, která se koná dne**

**29.3.2023**

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**Dotazy a připomínky:**

Have you calculated natural ~~fre~~ frequences of gearbox and live exeptation?

**Jméno tazatele (hůlkovým písmem):** Rus

**Obhajoba DP Ing. Ondřeje Miláčka, která se koná dne**

**29.3.2023**

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**Dotazy a připomínky:**

What are the most important (valuable) contribution in your disert. thesis, by your subjective meaning? Why?

**Jméno tazatele (hůlkovým písmem):** NĚMEC LADISLAV

### 6. Preview the data

By clicking on the following Previsualize button, the input data will be checked and the vote data will be previsualized.

← Reset | Previsualize →

# Vote for your choice

To vote you will receive an email with the proper link.

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You can also enter your vote identifier and personal vote ticket here:

Vote identifier:

Personal Vote ticket:

Go to vote

Vote Machine

## Welcome to the anonymous vote: defence Ing. Miláček

## created by: Sylva Ondrejičková

Vote identifier c9a6b93dbd6b838a1875a34c28146d87

The vote question is:
**Souhlasím, aby byl Ing. Ondřejovi Miláčkovi na základě obhajoby dne 29. března 2023 udělen akademický titul doktor (Ph.D.) v doktorském studijním programu Strojní inženýrství. I agree to award Ing. Ondřej Miláček the academic degree of Doctor (Ph.D.) in the Doctoral Programme of Mechanical Engineering on the basis of his defence on 29 March 2023.**

In the time zone (UTC+02:00) Paris accounting for saving time change:
Present time is Wednesday 29 March 2023 at 12h 00min 44s Refresh

The vote started Wednesday 29 March 2023 at 11h 50min 00s. This was 10 minutes 44 s ago.

The vote **ended Wednesday 29 March 2023 at 12h 00min 00s**. This was **44 seconds ago**.

**ALL VOTERS HAVE VOTED.**

### Table of results

This is a multiple choice vote (check boxes) so the sum of vote percentages may not be 100%.

| Choice | Votes | Fraction of 8 cast vote forms | Fraction of 8 voters |
|---|---|---|---|
| Yes | 8 | 100% | 100% |
| No | 0 | 0% | 0% |

### Table of participation

| Voters | 8 | 100% |
|---|---|---|
| Have voted | 8 | 100% |
| Are attentive but have not voted | 0 | 0% |
| Are inattentive | 0 | 0% |

Please note that the number of attentive/inattentive voters may continue to vary even after the end date, if defined. It represents only the residual number of participants who have reached the vote page, in time or too late. See definition further below.

### Detailed explanations of the results

Number of votes-for-choice Yes = 8 i.e. 100% of 8 cast vote forms i.e. 100% of 8 total voters

Number of votes-for-choice No = 0 i.e. 0% of 8 cast vote forms i.e. 0% of 8 total voters

Number of votes/voters = 8/8 i.e. 100%.

### Detailed explanations of the participation

Distribution of 8 voters
= 8 voter(s), representing 100% of the voters, **have voted**
+ 0 attentive voter(s), representing 0% of the voters, **have not voted**
+ 0 voter(s), representing 0% of the voters, are **inattentive** to this running vote.

A voter is considered attentive to the vote if s/he has connected to the vote page, by clicking the vote link on the received email. NB: This click is *anonymous*. This participant has not voted yet.
By definition an inattentive voter did not click this link, possibly because s/he did not read the email or did not want to participate.

### Table of choices (for reference)

For information this is a multiple choice vote made of check boxes. The voters have been mechanically required to select **from 1 to 2 choices**:

| Test | Choice |
|---|---|
| ☐ | Yes |
| ☐ | No |

NB: Please note that the constraint on the minimum and maximum number of checked boxes has been applied to the voters but is not testable here.

Here is a demonstration of the vote creation steps.

### Menu



## 1. Define the vote ↑ Menu

The first step is defining the parameters of the survey/vote. Do not worry, if you forget something ADoodle.org will tell you what is needed when you go to the previsualization step.

Your main effort should be the email list, whatever its format. It is your responsibility, considering the participants, to provide a list of valid emails. Otherwise some participants may not receive the vote email. A good practice is first to invite the participants to a test survey.