# INTRODUCTION OF THE FIRST YEAR Ph.D. STUDENT

**Aneta Cahová** 

Institute of Machine and Industrial Design Faculty of Mechanical Engineering Brno University of Technology

Brno, 22.10.2025



## **CONTENT**

- Home town
- Hobbies and interests
- Education
- Work experience
- My theses
- Dissertation
- Educational activities

## **HOME TOWN**

# HORNÍ VILÉMOVICE











## **HOME TOWN**

# HORNÍ VILÉMOVICE











## **HOBBIES AND INTERESTS**









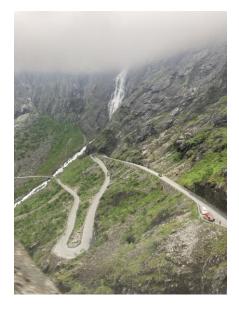
SUMMER CAMPS FOR CHILDREN FABLAB BRNO





## **HOBBIES AND INTERESTS**













TRAVELING

PHOTOGRAPHY

BOULDERING





## **EDUCATION**

Maturita Gymnázium Třebíč 2017 Bc. BUT FME, Brno 2020 Erasmus+ NTNU, Trondheim 2021-2022

Ing. BUT FME, Brno 2025











#### **WORK EXPERIENCE**

#### THERMO FISHER SCIENTIFIC BRNO

- Intern System Design Engineer
- 2023-present



thermofisher.jobs.cz

#### **GARETT MOTION**

- Student Engineer
- **2**020-2021



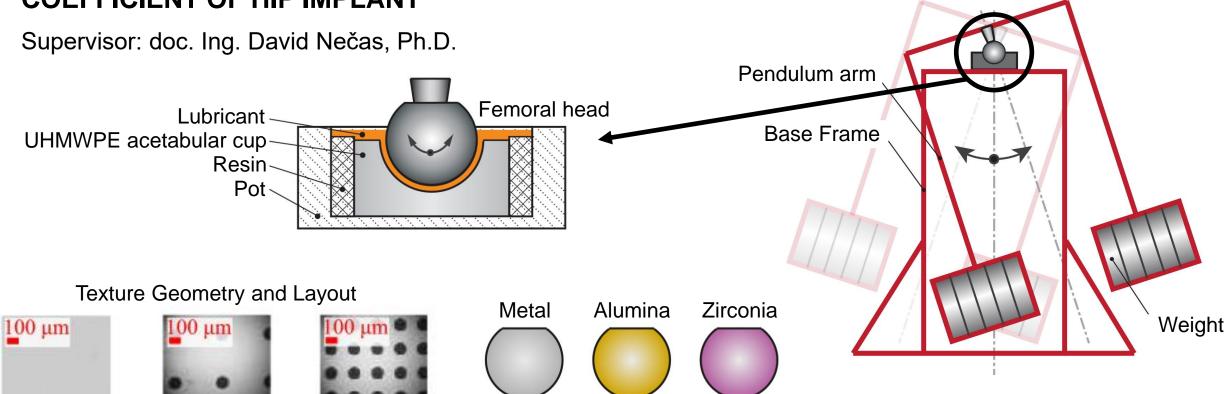
garrettmotion.com



#### **BACHELOR'S THESIS**

THE EFFECT OF SURFACE MODIFICATION OF ACETABULAR CUP ON FRICTION

**COEFFICIENT OF HIP IMPLANT** 

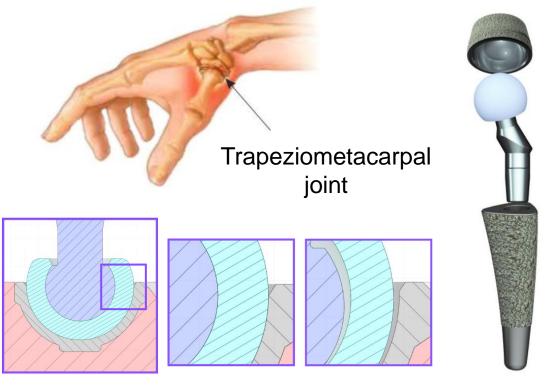


## **MASTER'S THESIS**

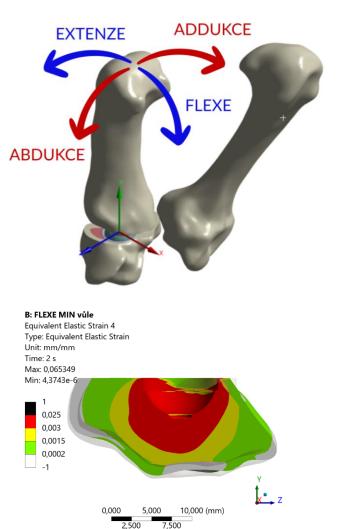
STRESS AND DEFORMATION ANALYSES OF THE TRAPEZIOMETACARPAL JOINT WITH

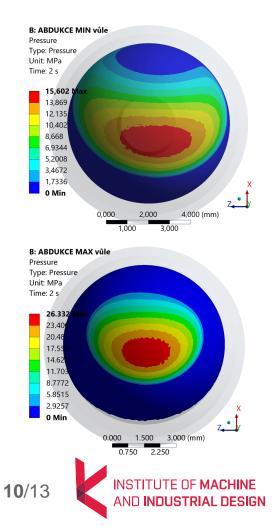
**SHAPE DEVIATIONS** 

Supervisor: doc. Ing. Vladimír Fuis, Ph.D.









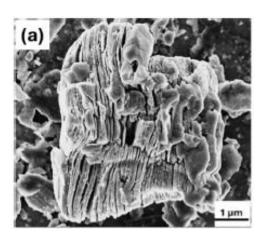
#### DISSERTATION

#### SURFACE MODIFICATIONS OF 3D-PRINTED BIOMEDICAL IMPLANTS

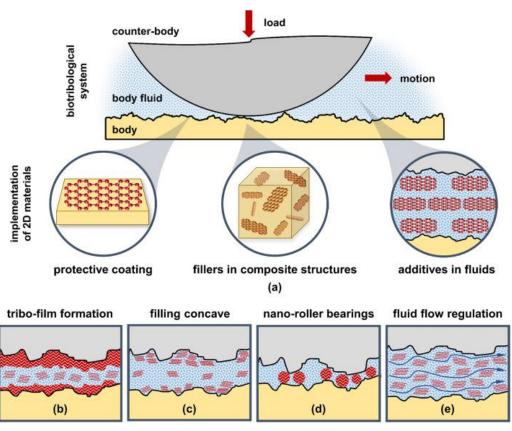
Supervisor: doc. Ing. David Nečas, Ph.D.

Supervisor specialist: prof. Ing. Martin Vrbka, Ph.D.





Ramteke, 2025







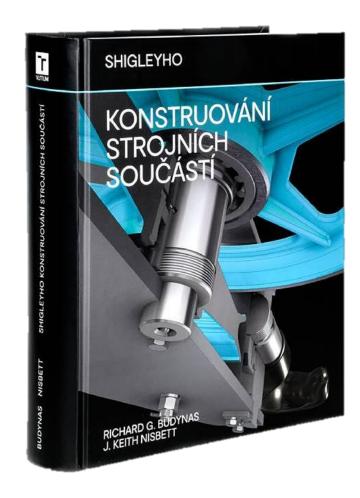
#### **EDUCATIONAL ACTIVITIES**

#### **TEACHING**

5KS Machine Design – Machine Elements

#### **LEARNING**

- 9MOP Methodologies of Scientific Work
- 9VPR Research Project and Its Management
- 9EHD Advanced Tribology
- 9EXT Experimental Methods in Tribology
- 9AJ Academic English for Doctoral Studies



## THANK YOU FOR YOUR ATTENTION

Aneta Cahová

Aneta.Cahova@vut.cz



www.**ustavkonstruovani**.cz