

Presentation of a first year Ph.D. student

Martin Krčma

Ústav konstruování

Fakulta strojního inženýrství

VUT v Brně

Seminář ÚK
24. 10. 2017



ÚSTAV
KONSTRUOVÁNÍ

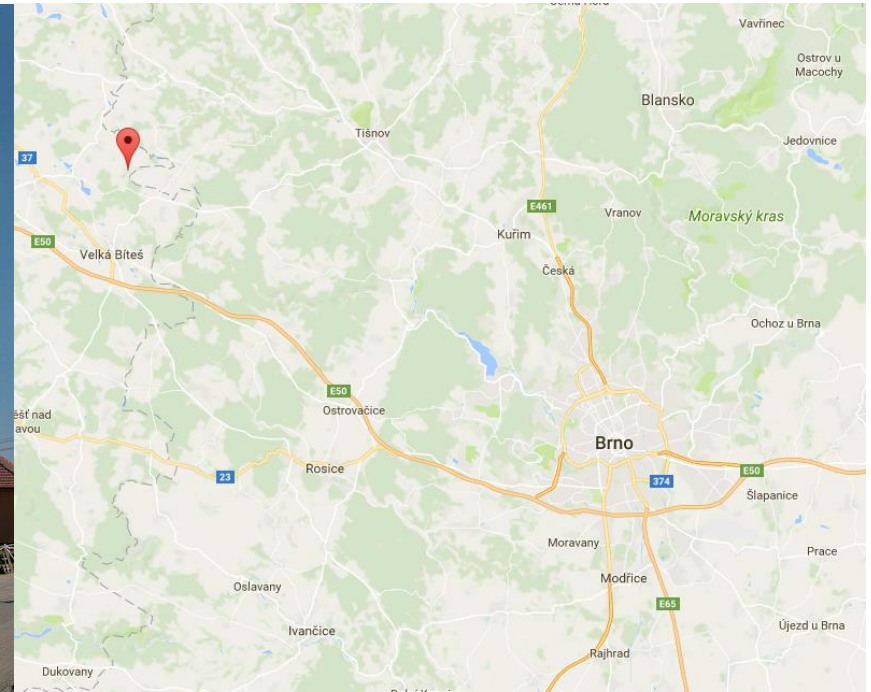
Content

- Introduction
- Education
- Professional experience
- Bachelor thesis
- Master thesis
- Dissertation
- Teaching and learning

Introduction

Březské, Vysočina

- 150 citizens
- Skřivánkova medovina - mead



Introduction

Hobbies and interests

- Illustration and comic books
- Games and game design
- Motorbikes



Strnad v kleci

2017



My Honda CB500

Practical experience

Product design intern

- Dynamic Ear Company, Delft NL
- Summer of 2015



Earphones for Dynamic Ear

2016

Designer, industrial and graphic

- TEKEFF s.r.o.
- Since August 2016



TEKEFF landing page

2017

Practical experience

High school

Gymnázium Velké Meziříčí



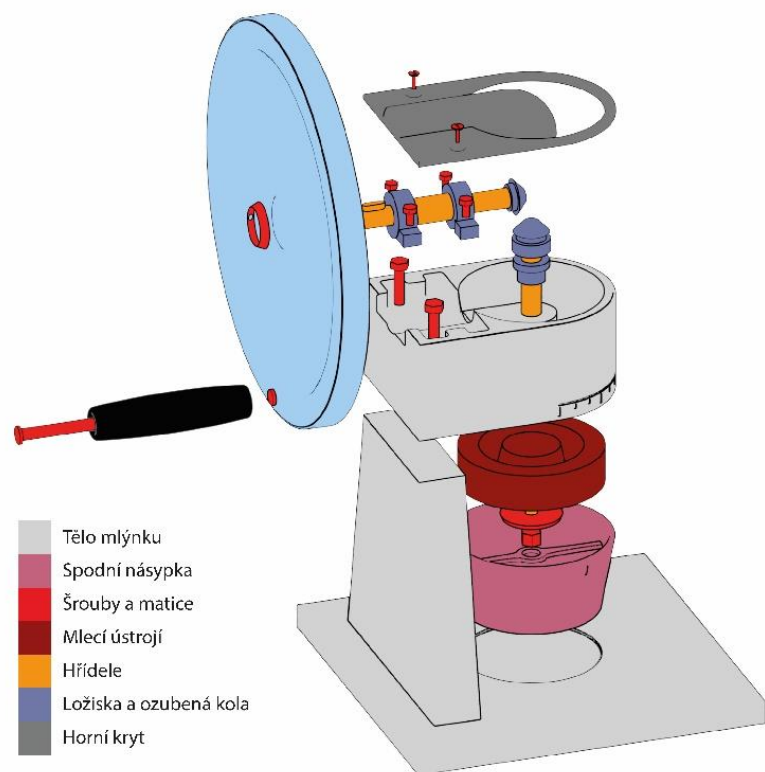
Bachelor and Master Studies

FME BUT, Department of Industrial Design



Design of a Coffee Grinder

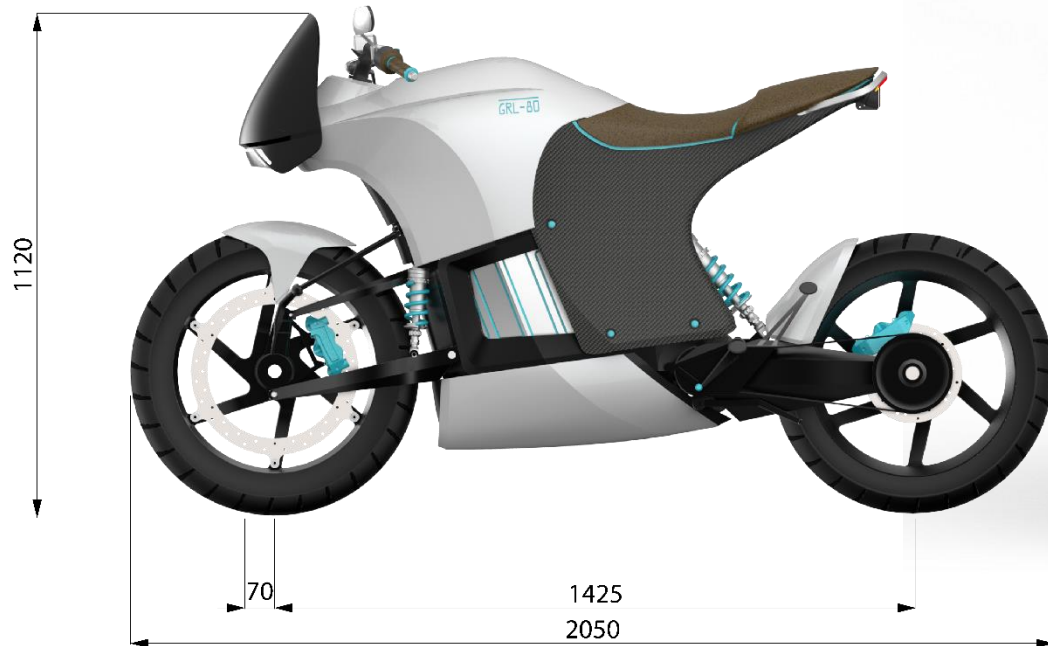
Ing. Martin Ondra



Master thesis

Design of an Electric Travel Motorbike

doc. akad. soch. Ladislav Křenek, ArtD.



Dissertation thesis

Generative methods of design

doc. Ing. David Paloušek, Ph.D.,

Ing. David Škaroupka, Ph.D.

- Development of a new design method
- Shape follows design, manufacturing and load constraints
- 3d printing of reinforced concrete or plastics



Autodesk Generative Design Pavillion

2017

Teaching and study

Teaching

- ZKP Team Project
- ZPP Polymer Prototypes
- 1K Machine Design Fundamentals

Study

- 9MOP, 9VPR, 9AJ
- 9DMA Design Management
- 9MPA Mathematics for applications

Thank you for your attention.

Martin Krčma

Martin.Krcma1@vut.cz

<http://uk.fme.vutbr.cz/>



ÚSTAV
KONSTRUOVÁNÍ