

Introduction of First Year Ph.D. Student

Ing. Jakub Hurník

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

Self-Presentation of First-Year Ph.D. Students,
4th October 2015



Institute of Machine
and Industrial Design

Content

Content

- About Myself
- Education, Work Experience
- Doctoral Study

Introduction of Myself

Relevant information

- REAT
- D5/470

Less-relevant information

- Brno
- Hobbies
 - Sports
 - Cars
 - Travelling
 - Sharf food

Introduction of Myself

Relevant information

- REAT
- D5/470

Less-relevant information

- Brno
- Hobbies
 - Sports
 - Cars
 - Travelling
 - Sharf food



Introduction of Myself

Relevant information

- REAT
- D5/470

Less-relevant information

- Brno
- Hobbies
 - Sports
 - Cars
 - Travelling
 - Sharp food



Citroën Traction Avant, Audi R8



Introduction of Myself

Relevant information

- REAT
- D5/470

Less-relevant information

- Brno
- Hobbies
 - Sports
 - Cars
 - Travelling
 - Sharf food



Dubai, Sri-Lanka, Naples,...

Introduction of Myself

Relevant information

- REAT
- D5/470

Less-relevant information

- Brno
- Hobbies
 - Sports
 - Cars
 - Travelling
 - Sharf food



Chilli eating contest – „Chillizrouti“ – 50 competitors

Introduction of Myself

Relevant information

- REAT
- D5/470

Less-relevant information

- Brno
- Hobbies
 - Sports
 - Cars
 - Travelling
 - Sharf food



Chocolate Plague Hot Sauce, Bhut Jolokia, 7pot + extract

Introduction of Myself

Relevant information

- REAT
- D5/470

Less-relevant information

- Brno
- Hobbies
 - Sports
 - Cars
 - Travelling
 - Sharf food



Eating pure pain

Introduction of Myself



Relevant information

- REAT
- D5/470

Less-relevant information

- Brno
- Hobbies
 - Sports
 - Cars
 - Travelling
 - Sharf food



Education, Work Experience

High school

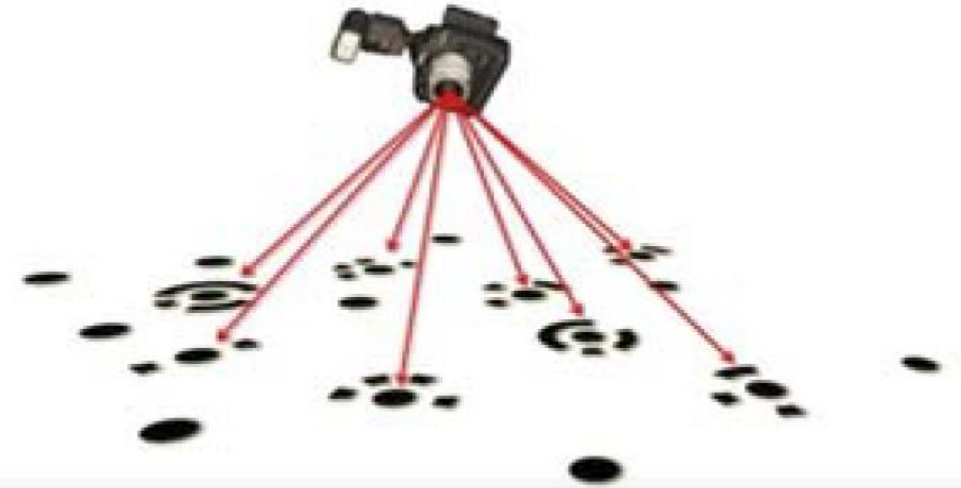
- Gymnázium Brno, Vídeňská, 47 - focus on natural sciences

University

- Bachelor's degree - BUT- Fundamentals of Mechanical Engineering
- Master's degree - BUT- Institute of Mechanical Engineering Design – Mechanical Engineering
 - Optimizing the calibration of the cameras of photogrammetric system designed for the measurement of rotationally symmetric forgings

Work experience

- 2015 – 2017 – BioVendor Instruments, Mechanical designer



Camera calibration

Education, Work Experience

High school

- Gymnázium Brno, Vídeňská, 47 - focus on natural sciences

University

- Bachelor's degree - BUT- Fundamentals of Mechanical Engineering
- Master's degree - BUT- Institute of Mechanical Engineering Design – Mechanical Engineering
 - Optimizing the calibration of the cameras of photogrammetric system designed for the measurement of rotationally symmetric forgings

Work experience

- 2015 – 2017 – BioVendor Instruments, Mechanical designer



Education, Work Experience



High school

- Gymnázium Brno, Vídeňská, 47 - focus on natural sciences

University

- Bachelor's degree - BUT- Fundamentals of Mechanical Engineering
- Master's degree - BUT- Institute of Mechanical Engineering Design – Mechanical Engineering
 - Optimizing the calibration of the cameras of photogrammetric system designed for the measurement of rotationally symmetric forgings

Work experience

- 2015 – 2017 – BioVendor Instruments, Mechanical designer



MALDI Colonyst – automated colony picking, deposition and image analysis

Doctoral Study

Doctoral thesis

- Photogrammetric system for inspection of shape and dimensions of hot forgings (funded by TACR)

Supervisor

- Doc. Ing. David Paloušek, Ph.D.

Expert consultant

- Ing. Aneta Zatočilová, Ph.D.



Heavy forging

Doctoral Study

Lectures

- Basics of Machine Design
- CAD (Autocad, Inventor)
- 3D Optical Digitization and Mechanical Parts Inspection (in English)

Doctoral subjects

- English for Ph.D. Students
- Methodologies of Scientific Work
- Research Project and its Management
- Optimalization – Mathematic Programming
- Computer Aided Image Processing

Thank you for attention

Ing. Jakub Hurník

Jakub.Hurnik@vut.com

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



Institute of Machine
and Industrial Design