

INTRODUCTION OF THE FIRST YEAR Ph.D. STUDENT

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ÚSTAV KONSTRUOVÁNÍ
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VUT v Brně

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ÚSTAV
KONSTRUOVÁNÍ

CONTENT

- Home town
- Education
- Diploma thesis
- Dissertation thesis
- Teaching and studying
- Other activities



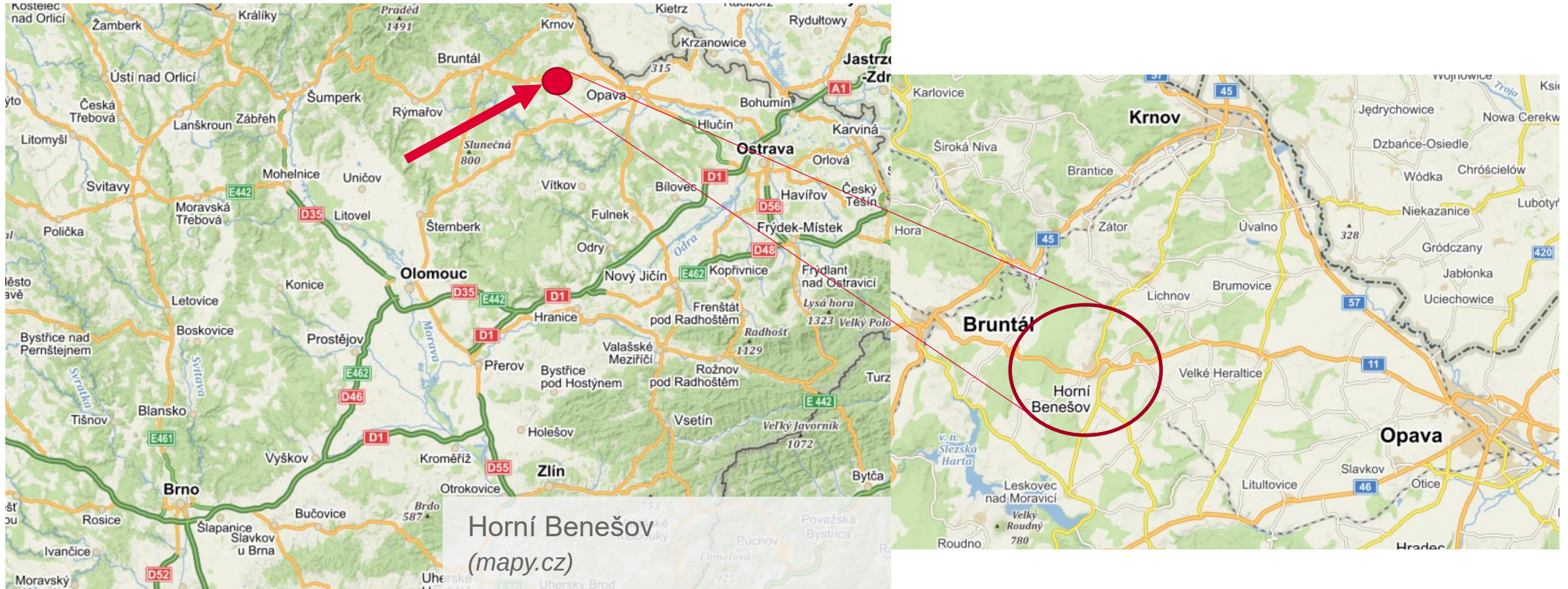
MY HOME TOWN – HORNÍ BENEŠOV

- Moravian-Silesian region, district Bruntál
- Founded 1253, old mining town
- Population: ± 2200



MY HOME TOWN – HORNÍ BENEŠOV

- 110 km from Brno



MY HOME TOWN – HORNÍ BENEŠOV

- Companies:
 - Hobes s.r.o.: door locks, automotive parts
 - BENEKOVterm s.r.o.: automatic boilers



Hobes
(hobes.cz)



Benekov
(benekov.com)

EDUCATION

High school

- Střední průmyslová škola a obchodní akademie Bruntál
 - Strojírenství (CAD/CAM technologie) (2011-2015)

University

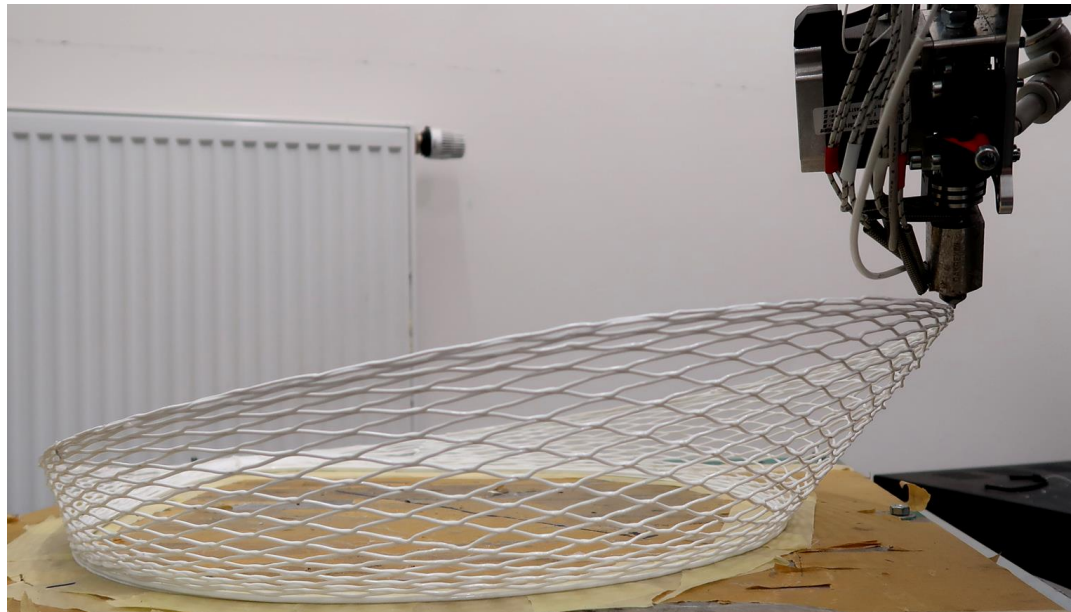
- Brno University of Technology
 - Bachelor degree – Fundamentals of Mechanical Engineering (2015-2019)
 - Masters degree – Mechanical Engineering (2019-2021)



DIPLOMA THESIS

Additive manufacturing of spatial trusses from polymeric materials

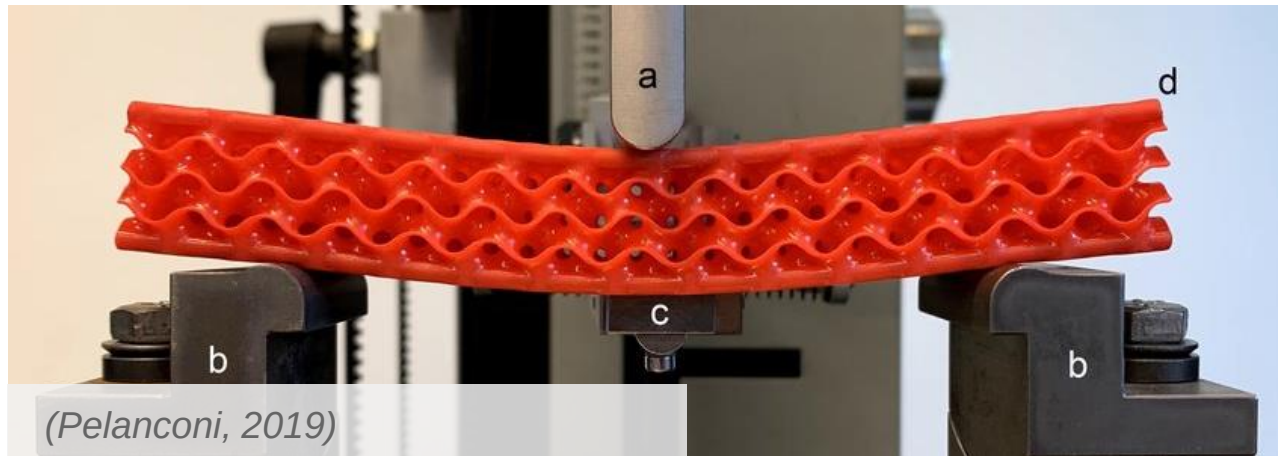
- Supervisor: Ing. David Škaroupka, Ph.D.
- Finding optimal process parameters with focus to accuracy



DISSERTATION THESIS

Development of technology and applications for additive production of spatial trusses structures from thermoplastics

- Supervisor: doc. Ing. Daniel Koutný, Ph.D.
- Co-supervisor: Ing. David Škaroupka, Ph.D.



TEACHING AND LEARNING

Teaching

- 5KS – Design of machines and machine components
- ZM1 – CAD modeling, Grasshopper

Learning

- 9MOP – Methodologies of Scientific Work
- 9VPR – Research Project and Its Management
- 9AJ – English for Doctoral Degree Study
- 9PLE – Design of Experiment
- 9PVP – Programming in Python

OTHER ACTIVITIES

EXPO 2020 Dubai

- Sandiq Brick printing



OTHER ACTIVITIES

EXPO 2020 Dubai

- Robot 3D printing cell



OTHER ACTIVITIES

3D printed parkour field



THANK YOU FOR YOUR ATTENTION

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www.ustavkonstruovani.cz