

# INTRODUCTION OF THE FIRST YEAR Ph.D. STUDENT

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# CONTENT

- About myself
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# ABOUT MYSELF

## Uničov

- Royal Moravian town



([m.unicov.cz](http://m.unicov.cz))

INTRODUCTION OF THE FIRST YEAR Ph.D. STUDENT

## Uzavřené obce v Olomouckém kraji

[www.ct24.cz](http://www.ct24.cz)



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# ABOUT MYSELF

## Uničov

- UNEX a.s.



*(unex.cz, viktormacha.com)*

# Hobbies and interests

## Sports

- Gym, football



(pinterest.cl)

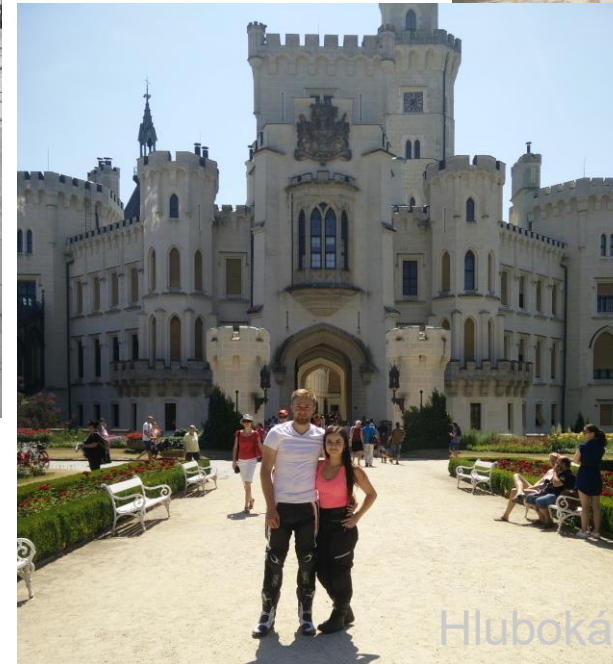
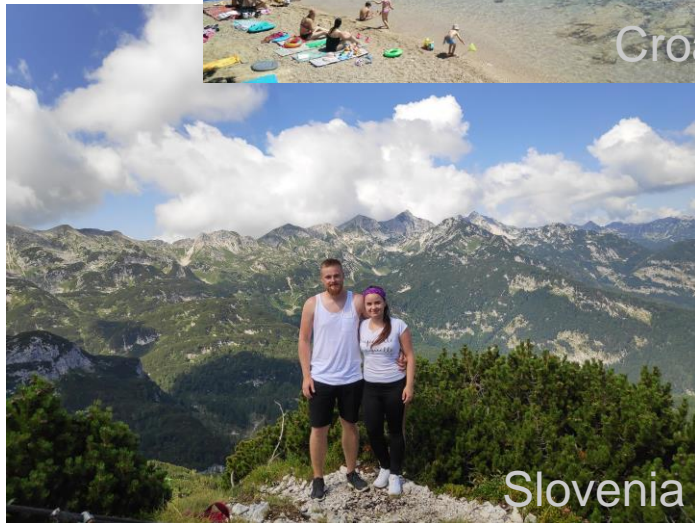


(businessinsider.com)



# Hobbies and interests

- Traveling, motorcycle





# Education

## Secondary school

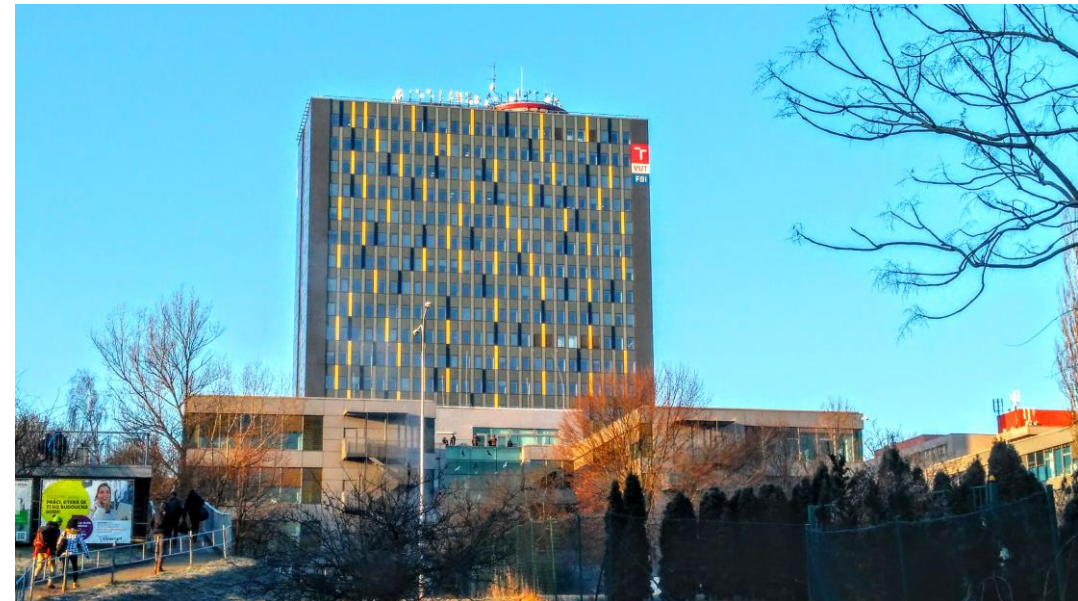
- SPŠ Elektrotechnická Olomouc (2011-2015)

## University

- Bachelor degree – BUT, Fundamentals of Mechanical Engineering (2015-2018)
- Masters degree – BUT, Mechanical Engineering (2018-2020)



(spseol.cz)

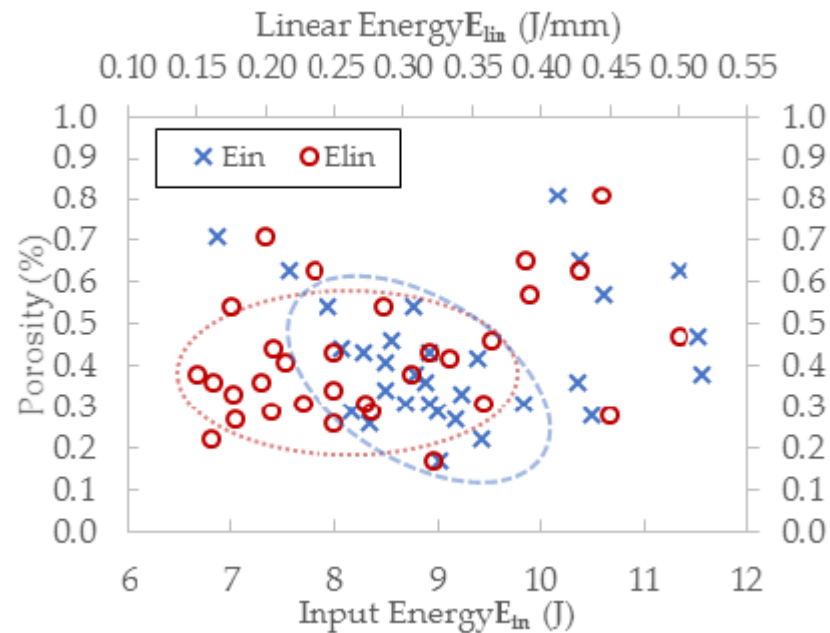


(wikipedia.org)

# Bachelor thesis

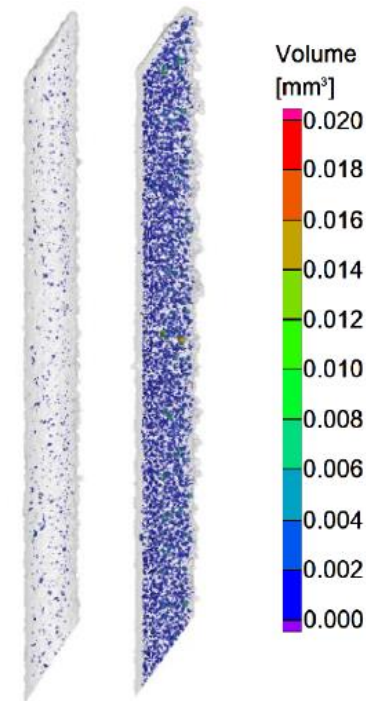
## Development of 3D metal printing process parameters for producing of the lattice structure

- Supervisor: Ing. Radek Vrána, Ph.D.
- Window of suitable process parameters



## Článek

- VRÁNA, R.; KOUTNÝ, D.; PALOUŠEK D.; PANTĚLEJEV, L.; JAROŠ, J.; ZIKMUND, T.; KAISER, J. Selective Laser Melting Strategy for Fabrication of Thin Struts Usable in Lattice Structures. *Materials*, 2018, roč. 11, č. 9, s. 1-20. ISSN: 1996-1944

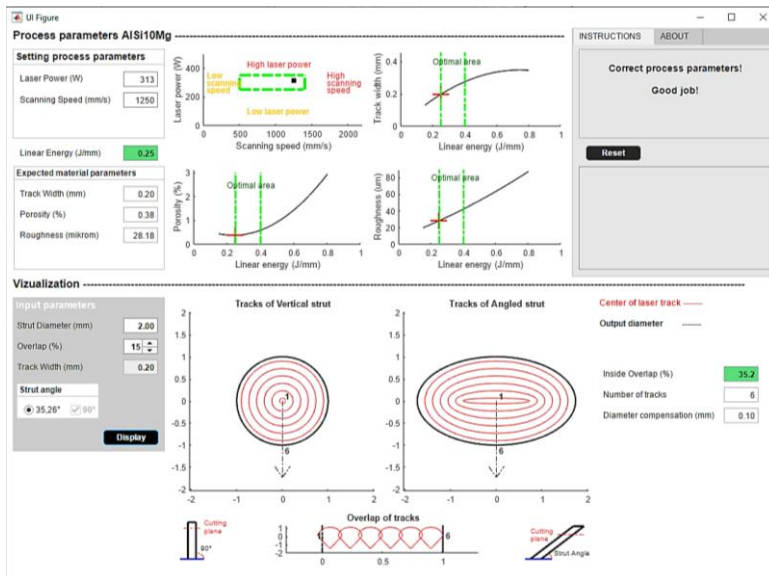




# Diploma thesis

## The development of SLM laser strategy for lattice structure fabrication

- Supervisor: Ing. Radek Vrána, Ph.D.
- Development of contour strategy process parameters

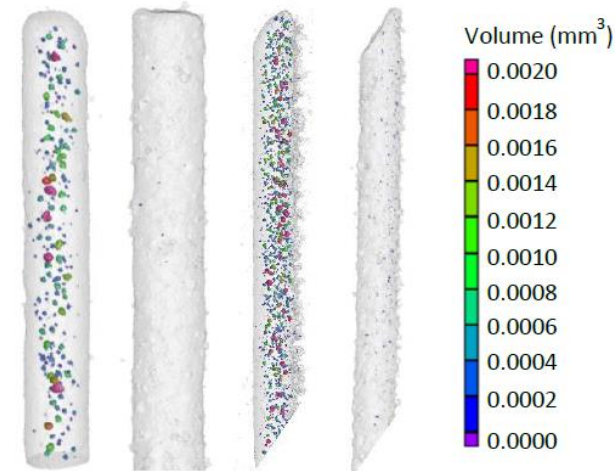


## Software

- VRÁNA, R.; JAROŠ, J.; PALOUŠEK, D.: SLM CSC 1.0; *SLM Contour Strategy Checker 1.0*. Vysoké učení technické v Brně, Fakulta strojního inženýrství, budova Netme D5. URL: <http://intranet.ustavkonstruovani.cz/FileDownload/getProjectPdf/401/>. (software)

## Manuscript

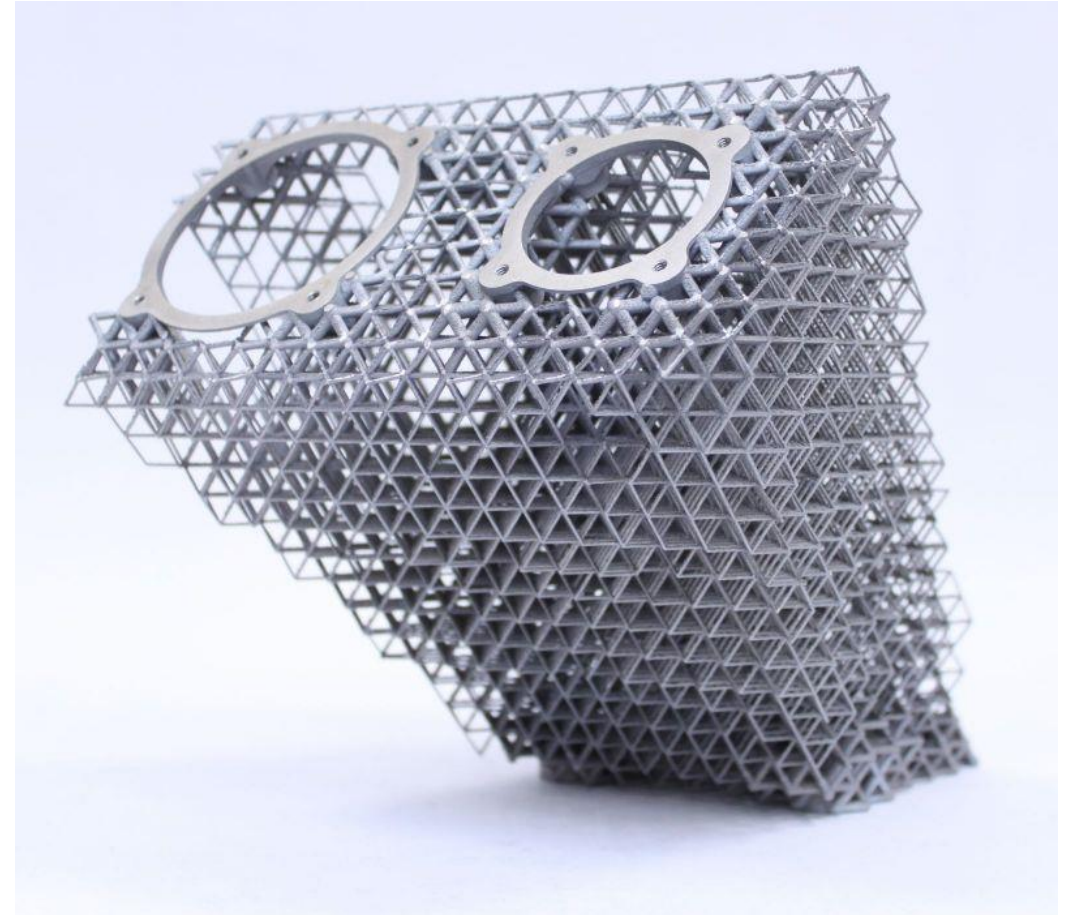
- JAROŠ, J.; VRÁNA, R.; KOUTNÝ, D.; PALOUŠEK, D.; ZIKMUND, T.; KAISER, J.; Phenomena of Strut-lattice Structure Production by Selective Laser Melting and Contour Laser Strategy (Manuscript)



# Dissertation thesis

## Research and development of additively manufactured lattice structures

- Supervisor: doc. Ing. Daniel Koutný, Ph.D.
- Co-supervisor: doc. Ing. David Paloušek, Ph.D.
  
- Lattice structure
- Development of software
- Various materials



(zvut.cz)



# Education activities

## Teaching

- 3CD – CAD
- ZRS – Project Management

## Learning

- 9MOP – Methodologies of Scientific Work
- 9VPR – Research Project and Its Management
- 9AJ – English for Doctoral Degree Study
- 9MKP – FEM in Engineering Computations
- 9PLE – Design of Experiment

# THANK YOU FOR YOUR ATTENTION

**Jan Jaroš, Ing.**

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