

CURRICULUM VITAE

Ondřej BENEDIKT

PERSONAL DATA

NATIONALITY: Czech
BIRTH DATE: 29th October, 1993
EMAIL: benedond@gmail.com

EDUCATION

2018 – present PhD. in Electrical Engineering and Information Technology (CTU in Prague)
Advisor: Doc. Ing. Přemysl ŠŮCHA, PhD.

2016 – 2018 Ing. in Artificial Intelligence (Czech Technical University in Prague)
Thesis: “Algorithms for Energy-Aware Production Scheduling with Power-Saving Modes”
Advisor: Doc. Ing. Přemysl ŠŮCHA, PhD.
Graduated with honors

2013 – 2016 Bc. in Computer and Information Science (Czech Technical University in Prague)
Thesis: “Steiner Point and Its Fuzzy Generalization”
Advisor: Prof. Ing. Mirko NAVARA, DrSc.
Graduated with honors

2005 – 2013 Grammar school Opatov, Konstantinova 1500, Prague
Graduated with honors

WORK EXPERIENCE

JAN 2020 – PRESENT	Project participation – Thermac: Thermal-aware Resource Management for Modern Computing Platforms in the Next Generation of Aircraft
JAN 2021-SEP 2021	Teaching activity – Tutorials of Combinatorial Optimization (B4M35KO) at Czech Technical University in Prague
JAN 2020-SEP 2020	
JAN 2019-SEP 2019	
JUL 2018 – PRESENT	Research assistant – Czech Institute of Informatics, Robotics and Cybernetics in Prague Energy efficient scheduling, combinatorial optimization problems
JUL-SEP 2017	Summer job – Department of Control Engineering Scheduling parallel identical machines while minimizing the total energy consumption – testing ILP models.
JUL-SEP 2016	Summer job – Department of Cybernetics Survey of the polynomial ϵ -greatest common divisor and its practical application for reconstruction of blurry images.

SELECTED PUBLICATIONS

- Benedikt, O., Módos, I., Hanzálek, Z. Power of Pre-Processing: Production Scheduling with Variable Energy Pricing and Power-Saving States. Constraints (2020). DOI: [10.1007/s10601-020-09317-y](https://doi.org/10.1007/s10601-020-09317-y)
- Sojka, M., Benedikt, O., Hanzálek, Z., Zaykov, P. Testbed for thermal and performance analysis in MPSoC systems. IWCPs 2020 – International Workshop on Cyber-Physical Systems. ISBN 978-1-7281-4147-3. DOI: [10.15439/2020F174](https://doi.org/10.15439/2020F174)
- Benedikt, O., Šůcha, P. and Hanzálek, Z. On Idle Energy Consumption Minimization in Production: Industrial Example and Mathematical Model. In Proceedings of the 9th International Conference on Operations Research and Enterprise Systems - Volume 1: ICORES, ISBN 978-989-758-396-4, pages 35-46. DOI: [10.5220/0008877400350046](https://doi.org/10.5220/0008877400350046)

- Benedikt, O., Šůcha, P., Módos, I., Vlk, M. and Hanzálek, Z. Energy-Aware Production Scheduling with Power-Saving Modes, CPAIOR 2018, Delft, June 26-29. DOI: [10.1007/978-3-319-93031-2_6](https://doi.org/10.1007/978-3-319-93031-2_6)

LANGUAGES

CZECH: Native speaker
ENGLISH: Fluent
FRENCH: Basic knowledge

SCHOLARSHIPS, AWARDS AND CERTIFICATES

SEP. 2020 Best student's paper award obtained at CPAIOR 2020 conference
FEB. 2020 Best student's paper award obtained at ICORES 2020 conference
SEP. 2019 Dean's scholarship for outstanding study results
AUG. 2018 Dean's award for Master's thesis
AUG. 2016 Dean's award for Bachelor's thesis
AUG. 2015 Scholarship: Support of Talented Students;
granted to 70 students of CTU for outstanding study results
2013 – 2018 Scholarship for excellent study results awarded per semester (average grade 1.0)
MAR. 2013 First Certificate in English (FCE): grade A (level C1)
FEB. 2013 National Comparative Exams, Math: 95.5th percentile