



Ing. František Pártl



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Work experience



2019–present

**University of West Bohemia in Pilsen,
Faculty of Applied Sciences**

researcher and lecturer

- artificial intelligence and machine learning in the energy sector: power system state estimation, generation and consumption forecasting, energy community optimisation, flexibility baselines
- contract research for system operators (ČEPS, ČEZ Distribuce, EG.D, PREdistribuce)
- document processing (OCR, semantic search, anonymisation) with Axians Czech Republic (S&T CZ)
- co-organisation of the international conference TSD and editing of its proceedings
- teaching in bachelor's and master's programmes

2019–2023

National Accreditation Bureau for Higher Education
evaluator in accreditation procedures

2021

**University of West Bohemia in Pilsen,
Faculty of Applied Sciences**
member of the Academic Senate

2014–2019

STS Prachatice, a. s.
CNC machining centre setter and programmer

Projects



2026–present

National Center for Artificial Intelligence (NCUI)
Technology Agency of the Czech Republic project TQ28000003

2025–present

Processing of Standardised Load Profiles
contract research for Moore Advisory CZ s.r.o.

2024–2026

Energy Community Managing Platform (ECOMAP)
Technology Agency of the Czech Republic project FW10010205

2024–2025

**DataScience Tools for the Regulatory Domain
(DS4Reg)**
Technology Agency of the Czech Republic project TK05010177

2023–2024

**Secure Power Flexibility for Grid Control and Market
Purposes (SecureFlex)**
Technology Agency of the Czech Republic project TK01030078

Software



2021–2023 **Next-Generation DMS**
Ministry of Industry and Trade project
CZ.01.1.02/0.0/0.0/21_374/0026768

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- 2025 **Energy Community Optimiser**
P. Janeček, P. Hering, M. Úbl, M. Střelec, **F. Pártl**, F. Jani
software, owner: University of West Bohemia in Pilsen
- 2025 **Analytical Module for Evaluating Statistical Data of the Energy Regulatory Office**
L. Šmídl, M. Střelec, M. Fetter, F. Polák, **F. Pártl**
software, owner: University of West Bohemia in Pilsen
- 2024 **Analytical Module for Technical Quantities**
M. Střelec, P. Janeček, R. Lipka, **F. Pártl**, M. Káš
software, owner: University of West Bohemia in Pilsen
- 2023 **Next-Generation DMS**
M. Konopík, J. Sido, O. Pražák, K. Ekštejn, **F. Pártl**,
R. Grežďo, V. Soukupová, K. Švihla
software, owner: Axians Czech Republic s.r.o.
- 2023 **Reference Software Implementation of Methods for Automatic Processing of Image and Text Data**
M. Konopík, J. Sido, O. Pražák, K. Ekštejn, **F. Pártl**,
R. Grežďo, V. Soukupová, K. Švihla
software, owner: University of West Bohemia in Pilsen, Axians
Czech Republic s.r.o.
- 2023 **Distribution Grid State Observer**
M. Střelec, P. Janeček, M. Fetter, P. Hering, **F. Pártl**
software, owner: University of West Bohemia in Pilsen
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Publications



- 2026 **Standardised Daily Load Profiles 2026**
M. Střelec, M. Fetter, **F. Pártl**
research report, client: Moore Advisory CZ s.r.o.
- 2025 **Proceedings of 28th International Conference on Text, Speech and Dialogue - TSD 2025, Erlangen, Germany, August 25-28, 2025**
editors: K. Ekštejn, M. Konopík, **F. Pártl**, O. Pražák
proceedings, Springer, Cham, 409 pp., ISBN 978-3-032-02547-0,
DOI: 10.1007/978-3-032-02548-7
- 2025 **Proceedings of 28th International Conference on Text, Speech and Dialogue - TSD 2025, Part II, Erlangen, Germany, August 25-28, 2025**
editors: K. Ekštejn, M. Konopík, **F. Pártl**, O. Pražák
proceedings, Springer, Cham, 327 pp., ISBN 978-3-032-02550-0,
DOI: 10.1007/978-3-032-02551-7
- 2025 **Automated Testing of Components for Technical Calculations in Distribution Systems**
M. Střelec, P. Janeček, **F. Pártl**
research report, client: ČEZ Distribuce, a.s.

Education



- 2025 **System for Comprehensive Assessment of the Transmission System State**
M. Střelec, P. Janeček, **F. Pártl**, P. Hering, M. Fetter
research report, client: ČEPS a.s.
- 2024 **Determining Flexibility Baselines Using Artificial Intelligence Approaches**
M. Střelec, J. Švec, L. Šmídl, F. Polák, **F. Pártl**, M. Fetter
research report, client: ČEPS, a.s.; ČEZ Distribuce, a.s.; EG.D, a.s.; PREdistribuce a.s.
- 2023 **Text, Speech, and Dialogue: 26th International Conference, TSD 2023, Pilsen, Czech Republic, September 4–6, 2023, Proceedings**
editors: K. Ekštejn, **F. Pártl**, M. Konopík
proceedings, Springer, Cham, ISBN 978-3-031-40497-9,
DOI: 10.1007/978-3-031-40498-6
- 2023 **Case Studies and Validation of Grid-Secure Flexibility Valuation**
M. Střelec, M. Fetter, P. Hering, P. Janeček, R. Lipka, L. Jelínek, **F. Pártl**
research report
- 2021 **Text, Speech, and Dialogue: 24th International Conference, TSD 2021, Olomouc, Czech Republic, September 6–9, 2021, Proceedings**
editors: K. Ekštejn, **F. Pártl**, M. Konopík
proceedings, Springer, Cham, ISBN 978-3-030-83526-2,
DOI: 10.1007/978-3-030-83527-9
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- 2018–2020 **University of West Bohemia in Pilsen, Faculty of Applied Sciences**
master's degree (Ing.) in Medical Informatics
graduated with honours
- 2015–2018 **University of West Bohemia in Pilsen, Faculty of Applied Sciences**
bachelor's degree in Information Systems
graduated with honours
- 2011–2015 **Secondary Technical School Písek (SPŠ a VOŠ Písek)**
school-leaving examination in Information Technology
passed with distinction
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Awards



- 2020 **finalist of the international competition IT SPY 2020 Czech & Slovak ACM Chapter**
6th place among the best IT master's theses
- 2020 **CCA Group, a. s. award**
prize for the best master's thesis
- 2018 **CCA Group, a. s. award**
prize for the best bachelor's thesis

Certifications



- 2014 **CCNA Routing and Switching certification**
Introduction to Networks
- 2012 **Cisco IT Essentials certification**
PC Hardware and Software

Skills



programming languages

C/C++, Python, Bash, SQL, Julia, PHP 7, C#, Java, G-code

information technology

UNIX/Linux, Microsoft Windows, Android, Git, Docker, VS Code, Vim, Qt, T_EX (L^AT_EX), PGF/Tikz, OpenCV, MySQL, SQLite, Microsoft Office, HTML5/CSS3, Bootstrap

CNC machining

Autodesk Fusion 360, EdgeCAM, Heidenhain iTNC 530, FANUC

soft skills

presenting, lecturing, teaching, independence, cooperation, communication

Languages



Czech

native speaker

English

upper intermediate (B2)

Driving and pilot licences



- 2026 **ULL pilot licence**
ultralight aircraft pilot
- 2014 **driving licence, categories B and A2**
cars up to 3.5 t, motorcycles up to 35 kW

ACTIVITIES OUTSIDE WORK

Leisure activities



- 2021–present **DDM Prachatice**
sport climbing club leader
- 2014–present **DDM Prachatice**
group leader at the Cyklosoustředění summer camp
- 2018–2023 **DDM Jindřichův Hradec**
group leader at the Tokáňské I summer camp
- 2023 **SPORT BP s.r.o.**
rock climbing instructor
- 2021 **University of South Bohemia in České Budějovice, Faculty of Theology**
course for leisure-time educators
- 2021 **SPORT BP s.r.o.**
indoor climbing wall instructor

Interests



sports

sport climbing, bouldering, via ferrata, mountain biking, hiking

machining

CNC, machine and manual metalworking and woodworking

arts

singing, piano, guitar, writing, typography