

Bartłomiej Aleksander Ufnalski

associate professor at Warsaw University of Technology



birthday

16th January, 1975

contact

Institute of Control
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languages

Polish native
English B2/C1

favourite tools

MATLAB & PLECS
L^AT_EX

favourite toys

LEGO Mindstorms EV3
Arduino & STM32
swimming hand paddles
full suspension MTB

updated 21.03.2022

education

- 2020 **Master of Business Administration (MBA) from WUT BS**
- 2016 **D.Sc. in Automatic Control and Robotics from WUT EE**
application of computational intelligence techniques in power electronics and drives with a particular emphasis on repetitive process control
- 2005 **Ph.D. with honours in Electrical Engineering from WUT EE**
neural network based flux and speed estimators in AC drives

research

- field of **control in power electronics and drives** ORCID: 0000-0002-5557-3514
iterative learning and repetitive control, powertrains for electric vehicles
- h-index **12 acc. Scopus and 8 acc. Web of Science** Scopus
- papers in **[last 2 years] Journal of Energy Storage (IF 3.762), Control Engineering Practice (IF 3.193), IEEE Trans. on Industrial Electronics (IF 8.236)**

teaching

- since 2019 **Electromobility (course of studies at EE)**
co-creator of the programme and lecturer
- since 2005 **Faculty of Electrical Engineering at WUT**
lecturer, tutor, instructor, supervisor

functions and positions

- since 2021 **head of Electrical Drive Division**
- 2012–2020 **deputy director for scientific affairs at the Institute of Control and Industrial Electronics**
- since 2019 **member of WUT discipline board for automatic control, electronics and electrical engineering**

interests

- professional:** electromobility, computational intelligence, dynamic optimization problems, power electronics and drives, repetitive and iterative learning control
- personal:** open water swimming, mountain biking, inspiring my daughter to experiment, data understanding and communication, scientific skepticism, popularization of science

All science is either physics or stamp collecting. Ernest Rutherford