

CURRICULUM VITAE



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EDUCATION

2023 – Present

Obuda University | Budapest

PhD student – Doctoral School of Applied Informatics and Applied Mathematics

PhD Research Topic: Parameter estimation of physiological systems and simulator development

Supervisor: Dr. Dániel András Drexler

2021 – 2023

Obuda University | John von Neumann Faculty of Informatics | Budapest

Master's degree – Computer Science Engineering, specializing in Cyber Medical Systems

Title of the Master's Thesis: Parameter estimation of physiological processes using artificial intelligence

Supervisor: Dr. Dániel András Drexler

2016 – 2021

Obuda University | John von Neumann Faculty of Informatics | Budapest

Bachelor's degree – Computer Science Engineering, specializing in IoT, embedded systems and robotics

Title of the Bachelor's Thesis: Parameter estimation of physiological processes using artificial intelligence

Supervisor: Dr. Dániel András Drexler

EXPERIENCE

2020 – Present

Researcher | Physiological Controls Research Center

(Obuda University, University Research and Innovation Center)

2020 – 2023

Teaching Assistant | Obuda University

2019 – 2022

Coding Instructor | Logiscool

LANGUAGE

2015 German: Intermediate (B2, complex)

2022 English: Intermediate (B2, complex)

ACADEMIC AWARDS AND SCHOLARSHIPS

- 2024 Youth Award in Soft Computing | PhD Category**
(Issued by the Hungarian Fuzzy Association)
University Research Scholarship Program | PhD Category
- 2023 National Scientific Students' Associations Conference (OTDK) – 1st place**
(Engineering Sciences Section – Health Sciences Division)
Rector's Commendation | for outstanding performance at OTDK
Rector's Commendation | for outstanding student activity
IEEE HS Student Paper Contest – 2nd place | MSc Category
New National Excellence Program Scholarship | MSc Category
- 2022 IEEE HS Student Paper Contest – 1st place | MSc Category**
Student Excellence Award | John von Neumann Faculty of Informatics, OE
Students' Scientific Association Conference Faculty of Informatics – 2nd place
National Higher Education Scholarship
Obuda University Scholarship | professional and scientific category
New National Excellence Program Scholarship | MSc Category
Youth Award in Soft Computing | PhD Category
(Issued by the Hungarian Fuzzy Association)
János Neumann Publication Award, OE | Student Category
Students' Scientific Association Conference Faculty of Informatics – 1st place
- 2021 National Scientific Students' Associations Conference (OTDK) – 1st place**
(Engineering Sciences Section – Medical Informatics Division)
IEEE HS Student Paper Contest – 1st place | BSc Category
Students' Scientific Association Conference Faculty of Informatics – 1st place
Student Excellence Award | John von Neumann Faculty of Informatics, OE
„Pro Scientia et Futuro” Scholarship, OE
Obuda University Scholarship | professional and scientific category
Scholarship of the Carpathian Talent Research Foundation
National Higher Education Scholarship
Students' Scientific Association Conference Faculty of Informatics – 1st place
New National Excellence Program Scholarship | BSc Category
- 2020 Students' Scientific Association Conference Faculty of Informatics – 2nd place**
Students' Scientific Association Conference Faculty of Informatics – 3rd place
Students' Scientific Association Conference Faculty of Informatics – 2nd place
- 2019 Students' Scientific Association Conference Faculty of Informatics – 1st place**
Obuda University Scholarship | professional and scientific category

REVIEWER ACTIVITIES

- Conferences:

SMC 2023, 2024

IEEE International Conference on Systems, Man, and Cybernetics

SISY 2023

International Symposium on Intelligent Systems and Informatics

INES 2025

International Conference on Intelligent Engineering Systems

SACI 2023, 2024, 2025

International Symposium on Applied Computational Intelligence and Informatics

CINTI 2023, 2024

International Symposium on Computational Intelligence and Informatics

- Journals:

IEEE Access

Acta Polytechnica Hungarica

- Theses:

Obuda University

- IEEE Student Paper Contest submissions

SUPERVISOR ACTIVITIES

OBUDA UNIVERSITY, JOHN VON NEUMANN FACULTY OF INFORMATICS

- **Computer Science Engineering BSc (2)**
- **Computer Science Engineering MSc (1)**

OKTATOTT TÁRGYAK

OBUDA UNIVERSITY, JOHN VON NEUMANN FACULTY OF INFORMATICS

- **System theory (gyakorlatvezető) | OE, Computer Science Engineering BSc**
- **Control Engineering (laborvezető) | OE, Computer Science Engineering BSc**
- **Robot control (laborvezető) | OE, Computer Science Engineering BSc**
- **System- and Control Theory (laborvezető) | OE, Computer Science Engineering MSc**

SOCIETIES

2020 – Present

- IEEE member (membership number: 97222406)
- IEEE Control Systems Society member
- IEEE Robotics and Automation Society member
- IEEE Systems, Man, and Cybernetics Society member
- IEEE Women in Engineering member

2024-től

- IEEE Hungary Section Women In Engineering Affinity Group Chair

PUBLIKÁCIÓS STATISZTIKÁK

24 scientific publications, including 4 international journal articles, 2 book chapters, and 18 papers in international conference proceedings.

Scientific statistics (based on Google Scholar):

- Citations: 159
- h-index: 10

Updated: March 29, 2025