CURRICULUM VITAE

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Working Experience

Assistant Professor	University of Panonia, Faculty of Information Technology, Department of electrical Engineering and Information Systems (PE MIK VIRT)	2021-
Assistant Lecturer	PE MIK VIRT	2020-2021.
Assistant	PE MIK VIRT	2018-2020.

Studies

PhD (information technology)	University of Pannonia, Veszprém	2020.
Computer Science Engineering, MSc	University of Pannonia, Veszprém	2014-2016.
Electrical Engineering, BSc	University of Pannonia, Veszprém	2010-2014.

Language skills

English (B2) complex language exam	2010.
Russian (B2) complex language exam	2019.

Current Research

Akkumulátorok működésének vizsgálata hőmérsékletfüggő körülmények között

- estimation of Li-ion battery life using model based methods
- examination of battery life in temperature dependent environment
- development of a temperature and age dependent battery model

Past Research

Diagnosis of technological systems using colored Petri nets (CPN)

- new colored Petri net based modelling methodology
- novel fault diagnosis method based on the reachability graph of the CPN model

- diagnosis of composite systems with structural decomposition

Non-technical loss diagnosis in electrical networks

- modelling of low-voltage networks
- development of a decomposition method for complex systems
- diagnostic algorithm to detect and localize non-technical losses

Publication list

https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10054770

Teaching Experience

Control theory and technique II. Laboratory	2016-
Detection and Measurement Laboratory	2016-
Parameter Estimation	2017-
Discrete and Continuous Dynamical Systems	2018-
Intelligent Control Systems	2018-
Model Building Using Engineering Principles	2019-
Electrical Energetics and Smart Grid	2020-
Uninterrupted Power Supplies	2020-
Electrical engineering	2020-
Simulation of Dynamical Systems	2021-
Programming II.	2021-

Awards,scolarships

National Conference of Scientific Students' Associations, 2nd place	2015.
New National Excellence Program of the Ministry of Human Capacities	2016., 2017.

Memberships

IEEE Control Systems Society	member	2019-