

Edit Laufer CV

Qualifications, academic degrees

- 2020 habilitation, Computer Sciences
Óbuda University, Doctoral School on Applied Informatics and Applied Mathematics
- 2014 PhD, Computer Sciences
Óbuda University, Doctoral School on Applied Informatics and Applied Mathematics
- 2004 Certified Teacher of Informatics (MSc)
Eötvös Loránd University, Faculty of Science and Faculty of Informatics
- 2001 Teacher of Information Technology Engineering (BSc)
Budapest Polytechnic, John von Neumann Faculty of Information
- 2001 B. Engineer in Information Technology (BSc)
Budapest Polytechnic, John von Neumann Faculty of Information
- 1994 High school graduation, specialization in automotive operation
Bethlen Gábor Vocational High School of Transport and Economics

Language skills

- English 2001 State accredited general, bilingual, intermediate level, combined language exam in English
- 2000 Pitman International Intermediate Language Exam
- German 2006 State accredited general, intermediate level, combined language exam in German
- 2006 Zertifikat Deutsch International Intermediate Language Exam

Professional awards and prizes

- 2019 Rectoral Commendation, Óbuda University
2017. September – 2018. June New National Excellence Program – Postdoctoral Fellowship

2015	Young Researcher of the Year, Óbuda University
2015	Dean Commendation, Óbuda University
2014	Youth Award, Hungarian Fuzzy Association

Workplaces

2015. July -	Óbuda University, Bánki Donát Faculty of Mechanical and Safety Engineering, Institute of Mechatronics and Vehicle Engineering Associate Professor
2015. February – June	Óbuda University, Bánki Donát Faculty of Mechanical and Safety Engineering, Institute of Mechatronics and Automotive Technology Senior Lecturer
2014 - 2015	Óbuda University, Bánki Donát Faculty of Mechanical and Safety Engineering, Institute of Mechatronics and Automotive Technology Assistant Lecturer
2010 - 2014	Óbuda University, Bánki Donát Faculty of Mechanical and Safety Engineering, Institute of Mechatronics and Automotive Technology Technical Assistant
2005 – 2010	Budapest Polytechnic, Bánki Donát Faculty of Mechanical and Safety Engineering, Institute of Mechatronics and Automotive Technology Technical Assistant
2001 – 2005	Budapest Polytechnic, John von Neumann Faculty of Information, Institute of Mathematics and Computer Science Technical Assistant

Teaching experience

Participation in the development/teaching of the following subjects

- Fuzzy Logic in Engineering Applications
Mechatronics engineer, BSc
- Fuzzy Inference Systems and their Applications
Doctoral School on Safety and Security Sciences, PhD

- Reduction Techniques of Fuzzy Decision Systems
Doctoral School on Applied Informatics and Applied Mathematics, PhD
- Programming I, II.
Mechatronics engineer, BSc
- Basics of Informatics
Mechatronics engineer, BSc
- Informatics I, II.
Mechatronics engineer, BSc
- Informatics laboratory
Mechatronics engineer, BSc

Membership in professional organizations

- 2011 - John von Neumann Computer Society
- 2011 - Hungarian Fuzzy Association
- 2011 - IEEE Hungary
- 2014 - Technical Committee on Computational Cybernetics
(IEEE System, Man and Cybernetics Society)
- 2017 - Systems, Man, and Cybernetics Society
- 2018 - Instrumentation and Measurement Society
- 2019 - Computational Intelligence Society
- 2020 - Department of Medical Biology
- 2020 - Women in Education, Research, and Information Technology
- 2022 - Hungarian Academy of Science, Mechatronics Subcommittee

Position held in professional organizations

- 2018 - Hungarian Fuzzy Association
President
- 2020 Febr – Óbuda University, Scientific Council
- August Member with the Right to Consult, Secretary
- 2013 - 2018 Hungarian Fuzzy Association
Secretary

Participation in tenders

2022. October 1. – 2022. December 31. An AI-based algorithm for optimized 3D drone flight path planning, Knowledge Transfer Experiment (KTE)
SMART4ALL-872614 "DELTA"
2019. April 1. – 2019. August 31. Establishing a research collaboration capable of creating and maintaining development of a modular communication infrastructure and technology built into a container, applicable in emergency situations, and the development of a prototype product line
2018-1.3.1-VKE-2018-00034
2012. September 1. – 2017. August 31. Intelligent home, intelligent robot
OTKA K 105846
2011. June 1. – 2011. December 31. Intelligent home, intelligent robot, group research scholarship
ÓE-RH 1186/2-2011
2010. April 1. – 2011. August 31. Artificial Intelligence Electronic Almanac
TÁMOP - 4.1.2-08/2/A/KMR

International relations

University of Montenegro, Faculty of Maritime Studies, Kotor, Montenegro (2020-1-HU01-KA107-078358)

University of Donja Gorica, Faculty of Applied Sciences, Podgorica, Montenegro (2020-1-HU01-KA107-078358)

National Polytechnic Institute, Center for Computing Research, Mexico city, Mexico

University of Novi Sad, Teacher Training Faculty, Subotica, Serbia

Subotica Tech - College of Applied Sciences, Subotica, Serbia

Scientometric data:

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