


GENERAL DATA

Name:	Ákos MIKLÓS	
Profession	Mechanical engineer, PhD	
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Phone:	+36 20 8063191	
Residence:	Sopron, Hungary	
Competences	Research and development, mechatronics systems, PCB design, mechanical design, multiphysics simulations, telemetry, algorithm development	

WORKPLACES

2023-	BUTE, Department of Applied Mechanics, assistant lecturer
2015-2023	HAS-BUTE, Research Group on Dynamics of Machines and Vehicles, research associate.
2012-2015	HAS-BUTE Research Group on Dynamics of Machines and Vehicles, research assistant
2008-2011	BUTE, Department of Applied Mechanics, PhD student
2008-2009	Knorr-Bremse Fékrendszerek Kft., development engineer

STUDIES

2018	CISM course (Udine) – Substructuring in Engineering Dynamics: Emerging Numerical and Experimental Techniques
2008-2011	BUTE, Faculty of Mechanical Engineering, Géza Pattantyús-Ábrahám Doctoral School of Mechanical Engineering. PhD degree with summa cum laude (2015)
2010	ECCI Graduate School on Control (Paris) – Model Predictive Control Module
2006-2007	Technical University Dresden
2002-2008	BUTE, Faculty of Mechanical Engineering, MSc (Applied mechanics major and Mechanical Engineering Informatics minor)

AWARDS

2007	Students Scientific Conference 3. place, Dynamic investigation of butterfly valve impact
2006-2007	Herbert Quandt Scholarship (Altana AG)
2004, 2005, 2006	Scholarship of the Republic

COMPUTER SKILLS

CAD	AutoCAD, SolidEdge, DipTrace
Simulation	Matlab/Simulink, Ansys, Wolfram Mathematica
Office	Windows, Linux, MS Office, Latex
Programming	C, Verilog

LANGUAGE SKILLS

German	Proficient speaking and writing (C2*)
English	Proficient speaking and writing (C2*)
Spanish	basic speaking and writing (A2*)

* Europass

PROFESSIONAL EXPERIENCE

2019	PCB design and component development for telemetry systems
2019	Vibration testing of battery packs
2018	ELI Szeged, Laser based research system vibration analysis
2017-	Design and development of custom load cells
2016	Eon medium voltage cable vibration testing
2015-	SIREN project, researcher (electromagnetic actuator development)
2010-2013	COSMOSYS project, researcher (vibroactuator development)
2009	Rotation mechanism analysis
2008-2009	Knorr-Bremse Fékrendszerek Kft., development engineer
2008	Control of pneumatic, variable mass-flow valve, MSc thesis, Knorr-Bremse Fékrendszerek Kft.

FELLOWSHIPS

2016-	HAS köztesület fellow
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Budapest, 2024. március 18.