

PERSONAL INFORMATION

SZABÓ CSABA

31/17, Rovine Str, , Cluj-Napoca, 400615, Romania

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Sex M Date of birth 15/03/1974 | Nationality Romanian

WORK EXPERIENCE

2005-

Lecturer

Technical University of Cluj-Napoca
Teaching and research

2002-2005

Assistant

Technical University of Cluj-Napoca
Teaching and research

2000-2002

Preparator

Technical University of Cluj-Napoca
Teaching and research

1998-2000

PhD Student

Technical University of Cluj-Napoca
Research

Teaching

Automated Electrical Drive Systems – BSc 4th Year - Course
Modelling and Implementation of Electrical Drive Systems – BSc 4th Year – Course & Lab
Vector Controlled Electrical Drives – BSc 4th Year - Course
Drive Systems – BSc 2nd Year - Course
Modelling, Simulation and Testing in Power Electronics and Electrical Drive Systems – Course & Lab
Electrical Drives – BSc 3rd Year - Project

EDUCATION AND TRAINING

2013-2014

Psychopedagogical course, modules I-II

Technical University of Cluj-Napoca
B.Sc and M.Sc. level

1998-2006

PhD in Electrical Engineering

Technical University of Cluj-Napoca (Romania)
PhD thesis Title: Implementation of Scalar and Vector Control Structures for Synchronous Machines

1997-1998

Post-graduate studies in Control of Energy Efficient Electrical Drives

Technical University of Cluj-Napoca (Romania)
PhD Thesis Title:

1992-1997

B.Sc. in Electrical Engineering

Technical University of Cluj-Napoca (Romania)
Specialization: Electrical Drives

PERSONAL SKILLS

Mother tongue(s)

Hungarian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Romanian	C2	C2	C2	C2	C2
English	B2	B2	B2	B2	B2
German	A1	A1	A1	A1	A1

Communication skills	Communications skills for team work Communications skills with young people gained in pedagogical activity during last 25 years
Organisational/managerial skills	Research team leadership Management skills
Job-related skills	25 years pedagogical experience Skills in organizing didactic laboratories Research abilities acquired by participation in research projects,
Computer skills	Experience in simulation of dynamic systems using Matlab/Simulink package Development of applications using dSPACE, Altair Embed Experience in Microsoft Office package Good command in drawing software: CorelDraw, SmartDraw, Microsoft Visio

ADDITIONAL INFORMATION

Publications	103 Scientific papers, 2 books, 5 book chapters
Projects	Project manager of 1 Research grant, member in 13 projects (3 International, 10 National)
Research stages	March-April 2002 – PhD research stage at Aalborg Institute of Energy Technology 3-10 April 2002 – Intensive PhD course on <i>Noise and vibration in variable-speed electrical machine drives</i> held by Prof. Z. Q. ZHU , (Sheffield University), at Aalborg Institute of Energy Technology
Awards	First <i>OPTIM-ABB</i> Prize Paper Award for the Technical Competence Displayed in the Paper Entitled "Vector Control Structures of the Tandem Converter Fed Induction Motor" Presented at the 8 th OPTIM Conference, 2002. Excellency Diploma for the paper presented in <i>Measurement and Quality</i> Multimedia Section of the AQTR 2004 (THETA 14) 2004 IEEE-TTTC International Conference on Automation, Quality & Testig, Robotics for the paper: "Simple Voltage-Hertz Control with Current Feedback of the Induction Machine", Cluj-Napoca, 2004.
Memberships	Institute of Electrical and Electronics Engineers (IEEE) The General Association of Engineers in Romania (AGIR) Transylvanian Hungarian Technical Scientific Society (EMT) Transylvanian Museum Association (EME) Association of Hungarian Doctoral Candidates and Young Researchers in Romania (RODOSZ) – Founding member (1999), Vice-President (2001-2006), President of the Technical Sciences Section (2000-2006)

Lecturer. Eng. Csaba SZABÓ, PhD