WORK EXPERIENCE

TOTAL YEARS OF EXPERIENCE	August 1980 - today

• Dates (from – to)	1992-today
• Employer	Aurel Vlaicu University of Arad, B-dul Revolutiei 310130 Arad, Romania
• Type of business or sector	Education
• Occupation or position held	Professor
• Main activities and responsibilities	Teaching (courses and laboratories): Electronics (linear and digital), Automate control, Computer modelling, identification and simulation, Neuro-fuzzy systems, Power electronics, System engineering, Renewable energies, etc. Research: Intelligent System Research Center

• Dates (from – to)	1984-1992
• Employer	Scientific Research Institute for Railway Cars of Arad, Romania
• Type of business or sector	Research & Development
• Occupation or position held	Engineer at the Research Department, Chief of the Electric Testing Laboratory
• Main activities and responsibilities	Design and Research

• Dates (from – to)	1980-1984
• Employer	The Tool-Machines Enterprise *Infratirea* of Oradea, Romania
• Type of business or sector	Industry
• Occupation or position held	Electronic Engineer
• Main activities and responsibilities	Experience in PLCs, CNCs and laser interferometers

• Dates	2004 and 2006
• Employer	Invited Professor at the Southern University of Toulon-Var, France

• Date	2021
• Title of qualification awarded	Habilitation
• Dates (from – to)	1995-2001
• The institution	Politehnica University of Timisoara, Romania
• Principal skills covered	Electronic Engineering and Telecommunications
• Title of qualification awarded	Doctor
• Dates (from – to)	1975-1980
• The institution	Politehnica University of Timisoara, Romania
• Principal skills covered	Electronic Engineering and Telecommunications
• Title of qualification awarded	Diplomat Engineer

SKILLS AND COMPETENCES

MOTHER TONGUE	**Romanian**
OTHER LANGUAGES	
	English Full professional proficiency C1 (reading, writing, verbal skills)
	French Full professional proficiency (reading, writing and verbal skills)
ORGANIZATIONAL COMPETENCES	Coordinator for several research projects. Co-organizing the Control Engineering and Industrial Software Branch of the university and the afferent laboratories. Co-organizing the Summer School "SOFT COMPUTING" 2003, 2004, 2005 and 2006 Arad. General Co-Chair of the International Workshop IEEE SOFA 2005-2018. Member of several organizing committees for different national and international scientific meetings: ISREIE, SOCO, EMEIT, etc. Coordinator for numerous student research projects.
TECHNICAL SKILLS AND COMPETENCES	Technological background acquired in tool machines and railway transportation. Hardware (electronic equipment, PLC, FPGA, sensors, etc.) and software skills relied to electronics, automatic control, computer modeling, Artificial Intelligence and measurements. Matlab, Xilinx ISE/Vivado, CLIPS, LPA, etc.
PUBLICATIONS	- ResearcherID: A-8146-2010 - Scopus Author ID: 7004861128 - ORCID: 0000-0001-9092-4730 - Brainmap: U-1700-027Z-9558 - 7 invention patents (two of them international) - 50 indexed publications (Thomson Reuters), 37 Scopus publications - 7 books and 14 book chapters, 192 scientific papers and conferences; - Member of editorial boards: IJSDA, Acta Technica Jaurinensis, etc. - Reviewer for Doctoral thesis, book chapters, journal articles, etc.
ORIGINAL CONCEPTS	The fuzzy-interpolative systems, the passive greenhouse, the intelligent roof-top greenhouse iRTG, the constant time to collision optimization of the traffic, the imposed distance braking, internal model bronze casting, PWM inverter for railway coaches in tropical environments, the rejection of the switching controllers effect by phase trajectory analysis, Fermat neuron, etc.
AFFILIATIONS	Senior Member IEEEE; etc. SRAIT (Societatea Română de Automatică şi Informatică Tehnică), AGIR (Asociaţia Generală a inginerilor din România), etc.

Arad, Dec. 31, 2025