



Curriculum vitae Europass

Personal information

First name(s) / Surname

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Nationality Romanian

Work experience

Dates	2000 onwards		
Occupation or position held	University Professor		
Main activities and responsibilities	Teaching and research		
Name and address of employer	Transilvania University of Braşov		
Dates	1997 – 2000,	1993 – 1997,	1989 - 1993
Occupation or position held	Associate professor	Senior lecturer	Junior lecturer
Main activities and responsibilities	Teaching and research		
Name and address of employer	Transilvania University of Braşov		
Dates	1988 - 1989		
Occupation or position held	Engineer (Designing)		
Main activities and responsibilities	Industrial design		
Name and address of employer	Motor Truck Company of Brasov		
Dates	1985 - 1988		
Occupation or position held	Engineer (Designing)		
Main activities and responsibilities	Industrial design		
Name and address of employer	Aggregate Machine-Tools and Motor Vehicle Subassembly Company of Sf. Gheorghe, Covasna County		

Education and training

Dates	1992 - 1997	
Title of qualification awarded	Doctorate (PhD) in Machine-Tools and Integrated Machine Systems	
Name and type of the organisation	Transilvania University of Braşov	
Level in national or international classification	ISCED 8	
Dates	1980 – 1985	
Title of qualification awarded	Engineer (Engineering Degree) in Machine Tools	
Name and type of the organisation	Transilvania University of Braşov	

Other specialisations and qualifications

1988	Advanced training course in Product Quality Control. Certificate Series A no. 350/89 issued by the Ministry of Machines Manufacturing Industry (MICM)
1996	Advanced training course in Quality Assurance organised by the Government of Switzerland in cooperation with the Romanian Association for Quality (ARC).
1998	Buckinghamshire College, High Wycombe, Anglia – training in Quality Assurance
2005	Institute of Automation Technology (IAT) Bremen, Germany (modelling and simulation of mechatronic systems)
2006	Institute of Automation Technology (IAT) Bremen, Germany (fluidic actuation and automation)

Personal skills and competences

Mother tongue Romanian

Other languages

Self-assessment

European level (*)

English

French

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	Written expression
English	B2	B2	B1	B1	B1
French	C1	C2	B2	B2	B2

(*) [Common European Framework of Reference Level](#)

Organisational skills and competences

- 2005 - establishment and development of the FESTO National Training Centre for Fluidic Actuation and Automation
- Since 2006 – Director of the FESTO National Training Centre for Fluidic Actuation and Automation
- 2004 – 2012 Vice-Dean of the Faculty of Technological Engineering and Industrial Management
- Since 2012 – member of the *Transilvania* University of Braşov Senate
- 2000 – 2012 and 2024 - present – member of the Technological Engineering and Industrial Management Faculty Board
- Project management (director) of 16 educational and research contracts (TEMPUS-PHARE, FP6, CNCSIS type A, PN-II-RU, PN-II-IDEI, with partner research institutions from Germany and Romanian industrial companies)
- PhD tutor since 2008 – field: Industrial Engineering
- Since 2010 – Coordinator of the Master's Study Programme Innovative Manufacturing Engineering, branch: Advanced Production Systems
- Coordinator of the Study Programme "Non-conventional Technologies and Equipment" (2000 – 2004)
- 2004 – 2010 – Initiator and Coordinator of the Master's Study Programme "Automation of Manufacturing Systems", delivered in English
- 2000 - 2012 - Erasmus/Socrates officer of the Department of Economic Engineering and Manufacturing Systems
- 2000 - 2012 – representative of *Transilvania* University of Braşov in the Consortium of Economic Engineering of Romania (CIER)
- Co-organiser of the International Conference of Economic Engineering and Manufacturing Systems (ICEEMS Braşov) in the years 2003, 2005, 2007, 2009, 2011, 2013
- Co-organiser of several international Conferences on Manufacturing and Industrial Technologies.

Additional information

Fields of competence

Fluidic actuation and automation, Rehabilitation Robotics, Quality management.

Publications

- 14 monographs, of which 2 published abroad by Springer/2011 and the American Institute of Physics/2009
- 217 scientific papers, of which 55 indexed by Web of science (18 Journals and 37 Proceedings)
- Two invention patents

Membership in professional and scientific associations	<ol style="list-style-type: none"> 1. International Association of Engineers Hong Kong (IAENG) 2. Senior member of the International Association of Computer Science and Information Technology Singapore (IACSIT) 3. Romanian Tribology Association/Asociația Română de Tribologie (ART) 4. Association of Managers and Economic Engineers of Romanian/Asociația Managerilor și Inginerilor Economiști din România (AMIER) – founding member. 5. Romanian Association of Non-Conventional Technologies/Asociația Română de Tehnologii Neconvenționale (ARTN) 6. Senior member of SCIEI (Science and Engineering Institute) 7. Senior member of Hong Kong Society of Mechanical Engineers (HKSME)
Teaching activity at universities abroad	<ol style="list-style-type: none"> 1. ERASMUS Bilateral Agreement - Teaching staff mobility, IAT, Bremen University, Germany (2001, 2002, 2005, 2006, 2007). 2. ERASMUS Bilateral Agreement - Teaching staff mobility, Odense University College, Denmark, (2003). 3. ERASMUS Bilateral Agreement - Teaching staff mobility, ENSAM Cluny, France, (2008, 2009, 2010).
Partnership with research institutes from abroad	<p>Academic partner of Friedrich-Wilhelm-Bessel-Institut, Bremen University, Germany (cooperation in three research contracts)</p>
Activity connected to scientific events (conferences , workshops)	<ol style="list-style-type: none"> 1. Member of the Scientific Board of the International Conference of Economic Engineering and Manufacturing Systems (ICEEMS Brașov) in the years 2003, 2005, 2007, 2009, 2011, 2013. 2. Member of the Scientific Board of: <ul style="list-style-type: none"> - "Situation and perspective of research and development in chemical and mechanical industry" Conference, Krusevac, Yugoslavia, 2001 - HIPNEF 2004 Conference – Nis, Serbia & Montenegro - International Scientific Conference – Production Management – Contemporary Trends and Ideas in Management 2007, 2009, 2011, Lodz, Poland - 2nd International Conference on Mechatronics and Automation Science, Istanbul, Turkey, 2016 - 5th International Conference on Manufacturing Engineering and Process, Istanbul, Turkey, 2016 - IEEE ICCAR 2016 : IEEE 2016 The 2nd International Conference on Control, Automation and Robotics - The 4th International Conference on Computing and Solutions in Manufacturing Engineering - Cosme'16, Brasov, Romania - The 5th International Conference on Computing and Solutions in Manufacturing Engineering - Cosme'20, Brasov, Romania - International Conference on Research & Innovation in Computer, Electronics and Manufacturing Engineering (RICEME-17), Bali, Indonesia, 2017 3. Session chair in international conferences: <ul style="list-style-type: none"> - International MultiConference of Engineers and Computer Scientists Hong Kong 2009. - World Congress on Engineering London 2009. - World Congress on Engineering and Computer Science, San Francisco, 2010. - 9th IASTED International Conference on Biomedical Engineering, Innsbruck, Austria, 15-17 February 2012. - 2nd International Conference on Manufacturing and Industrial Technologies Pattaya, Thailand, 2015 - 3rd International Conference on Manufacturing and Industrial Technologies Istanbul, Turkey, 2016 - International Conference on Research & Innovation in Computer, Electronics and Manufacturing Engineering (RICEME-17), Bali, Indonesia, 2017 4. Scientific consultant of the Non-Conventional Technologies Journal published by the Romanian Academy –Timișoara Branch and the Romanian Association of Non-Conventional technologies 5. Permanent Scientific Consultant of IEEE-ASME Transactions on Mechatronics Journal 6. Reviewer at several ISI Journals: <i>IEEE-ASME Transactions on Mechatronics Journal</i> (Q1), <i>Polymers</i> (Q1), <i>International Journal of Advanced Robotic Systems</i>, <i>Strojniški vestnik - Journal of Mechanical Engineering</i>, <i>Transactions of FAMENA</i>, <i>Applied Sciences</i> (Q2). 7. Reviewer at several International conferences.

Prizes and honours

2020 – Prize Herman Oberth of the Romanian Academy of Scientists for the volume *Pneumatica aplicată*

2005 – Prize for European Funded Projects within FP6, granted by the Ministry of Education and Research of Romania

2020 - Awarding of research results – articles, PN-III-P1-1.1-PRECISI-2020-44273

2020 - Awarding of research results – articles, PN-III-P1-1.1-PRECISI-2020-44540

2019 - Awarding of research results – articles, PRECISI-2019-29715

2019 - Awarding of research results – patents, PNCDI III-SP 1.1- PRECBVT-2019-2934

2017 - Awarding of research results – patents, PN-III-P1-1.1- PRECBVT-2017-0723

Best paper Award:

- *Pneumatic Muscle Actuated Isokinetic Equipment for the Rehabilitation of Patients with Disabilities of the Bearing Joints*. International MultiConference of Engineers and Computer Scientists Hong Kong 2009
- *Study Concerning the Energy-to-Mass Ratio in Pneumatic Muscles*. ICAMIE 2016: 18th International Conference on Advanced Manufacturing and Industrial Engineering, Seoul, Korea, 2016