



Curriculum vitae Europass

Personal information

First name(s) / Surname

Tudor Ion DEACONESCU



Telephone



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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	Understanding		Speaking		Writing
European level (*)	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

- 2024 – Dean of the Faculty of Technological Engineering and Industrial Management
- 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 Economisti 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	Academic partner of Friedrich-Wilhelm-Bessel-Institut, Bremen University, Germany (cooperation in three research contracts)
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 Braşov) 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