

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **MOGAN, Gheorghe-Leonte**
Address(es) Graurului, 23, 500376, Braşov, Romania
Telephone(s) +40 268 418967 Mobil: +0723383440
Fax(es) +40 268 418967
E-mail mogan@unitbv.ro
Nationality Romanian
Date of birth 18.11.1954
Gender Male

Work experience

2001: present University TRANSILVANIA of Braşov, Full professor at the "Automotive and Transportation" Department, B-dul Eroilor, 29, 500036, Braşov; Website www.unitbv.ro
2008-2000: University TRANSILVANIA of Braşov, Head of Product Design and Robotics Department
2001-1998: University TRANSILVANIA of Braşov, Associate Professor
1998-1992: University TRANSILVANIA of Braşov, Lecturer
1992-1982: University TRANSILVANIA of Braşov, Assistant
1982-1980: Aeronautics Factory, engineer.

Education and training

1969-1974 : High School Barsova, in "Industrial Technology".
1975-1980 : Diploma in Industrial Technology at University Transilvania of Brasov.
1991-1995 : PhD in Mechanical Engineering, University Transilvania of Braşov

Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

Self-assessment

European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	C1	Experienced user	B1	Independent user	B1	Independent user	B2	Independent user

(*) Common European Framework of Reference for Languages

Social skills and competences

Team spirit; sociable and dynamic; negotiation Skills

Organisational skills and competences

Organizing and coordinating academic teaching activities; Organizing and coordinating academic research (including supervised doctoral theses; 5 Phd Thesis validated); development and management of research projects (in the last 10 years I was director of 1 FP5 project and coordinator of national 4 projects)

Technical skills and competences

Theoretical knowledge and practical skills in basic and applied research in the fields of mechatronics, robotics, CAD / CAE, optimization of mechanical structures, finite element analysis

Computer skills and competences

Basic languages: Fortran, Pascal, MATLAB
Finite element analysis environment CATIA, NASTRAN, NISA, ANSYS
Microsoft Office

Artistic skills and competences

Other skills and competences

Driving licence

B level

Additional information

References can be provided on request

Annexes

Annex 1 (books, scientific papers, research grants)

Books (selection)

1. Mogan, Gh., *Metoda elementelor finite in inginerie, Bazele teoretice*, Ed. Universității Transilvania, 1997.
2. Mogan, Gh. *Metoda elementelor finite în inginerie. Aplicații practice*, Ed. Lux Libris, Brasov, 1999.
3. Mogan, Gh. *Proiectarea constructivă a sistemelor mecatronice. Roboți industriali*, Ed. Universității Transilvania, 2003.
4. Mogan, Gh., Talaba D. (eds) *ECOMECA. ECO-inginerie MECANica*. Editura Universitatii Transilvania, Brasov.
5. Mogan, Gh., Butnariu, L., *Analiza cu elemente finite. Aplicatii in CATIA*, Ed. Universității Transilvania, 2007.
6. Mogan, Gh. , Butnariu, L. *Organe de mașini. Teorie-Proiectare-Aplicatii (Sistem integrat)* Ed. Universității Transilvania, 2013

Paper and research grants (selection)

A. Paper

1. Aron, C., Ionescu, M., Cojanu, C., Mogan, Gh., Programming of robots using virtual reality technologies, Applications and Tools for Intelligent Manufacturing Systems, Springer, Vol. 35., ISBN: 978-1-4020-8199-6, 2008 (ISI Springer Proceedings).
2. Sisca, S., Mogan, Gh., Subrin, K. Virtual and Real Testing of Products, in Tools and Methods Based on Virtual Reality, Published by Springer, ISBN 978-1-4020-8199-6, 2008 (BDI Springer Proceedings).
3. Mogan Gh. Butila E. *Expert system for the Total design of Mechanical Systems with Gears* in „Product Engineering Eco-Design, Technologies and Green Energy”, Springer, 2004, pp.227-252. (ISI Springer Proceedings).
4. Aron, C. Ionescu, M., Mogan, Gh. *Aspects concerning programing of manufacturing and assembly robotic cells in virtual environment*, Buletinul Institutului Politehnic din Iași, Publicat de Universitatea Tehnică „Gh. Asachi”, Iași, Tomul L (LIV), Fasc. 6A, 2006.
5. Cojanu C., Mogan, Gh. *The compensation of the manufacturing deviations with the vision sistem of quality inspection*, The 1st International Conference Advanced Engineering in Mechanical Systems (ADEMS'07), ISSN 1221 – 5872, pp 301-304, Cluj, Romania 2007.
6. Ionescu M, Mogan Gh. Considerații privind cooperarea roboților din celulele de fabricație, Simpozionul PRASIC'06, ISBN (10)973-635-825-9, Brasov, Romania.
7. Aron, C., Mogan, Gh., Celula robotizata de asamblare cu mediul virtual, conferinta internationala TMCR'05, Chisinau, Moldova, 2005.
8. Aron, C., Ionescu, M., Mogan, Gh., Programarea unui robot industriali utilizand tehnologii de realitate virtuala, 1st International Conference Advanced Engineering in Mechanical Systems, Cluj-Napoca, 2007.
9. Mogan, Gh. Aron, C. Robotised Assembly Processes with Force and Fine Motion Control around Contact Areas, Proceedings of 4th international conference on Robotics, Brasov, 2008.
10. Gall, R. Troster, Mogan, Gh. Research upon Development in the field of Autonomus Vehicles, Proceedings of 4th international conference on Robotics, Brasov, 2008.
11. Hatton, B., Mogan, Gh. Enhanced Ergonomics and Virtual Reality Applied to Industrial Robots Programming, Proceedings of 4th international conference on Robotics, Brasov, 2008.
12. Aron, C., Mogan, Gh., Aspects Concerning Robotic Assembly Operations Using Force Sensors, The 5th International Symposium KOD 2008, 15-16 April 2008, Faculty of Technical Sciences, Novi Sad, Serbia, 2008.
13. Duguleană, M., Barbuceanu, F., Teirelbar, A. Mogan, Gh. “Obstacle avoidance of redundant manipulators using neural networks based reinforcement learning”, *Journal of Robotics and Computer Integrated Manufacturing* (factor de impact, 1.254), USA, iulie, 2011.
14. Duguleană, M., Mogan, Gh. *Using Eye Blinking for EOG-Based Robot Control*, In IFIP Advances in Information and Communication Technology, ISSN 1868-4238 (Print) 1868-422X (Online), ISBN 978-3-642-11627-8, 2010, pag. 340-350 (Springer)
15. Duguleana M., Girbacia F., Mogan G., Using Dual Camera Smartphones as Advanced Driver Assistance Systems: NAVIEYES system architecture, 8th ACM International Conference on Pervasive Technologies Related to Assistive Environments, Corfu, Greece, Proceedings of the 8th ACM International Conference on Pervasive Technologies Related to Assistive Environments, 2015, pp. 1-23.
16. Voinea D. G., Mogan G., "Development of a Wearable Scoliosis Monitoring System Using Inertial Sensors", Applied Mechanics and Materials, Vol. 811, Nov. 2015, pp. 353-358.

B. European research grants

1. FP6 „VEGA” – *Virtual Reality In Product Design And Robotics*, 2005-2008, (Contractor).
2. FP5 „ADEPT” - *Advanced Computer Aided Design Of Ecological Products And Technologies Integrating Green Energy Sources*, 2002-2005 (Coordonator)
3. FP5 - IMS „IRMA” – *Reconfigurable Virtual Reality System for Intelligent Manufacturing Systems*, 2002-2004 (Membru).
4. INTERREG IV - *Digital Cities*, 2008-2011, (Membru).
5. Horizon 2020 - eHERITAGE - *Dezvoltarea capacității de cercetare și inovare al aplicațiilor de realitate virtuală în domeniul patrimoniului cultural*, 2015-2018 (Membru).

C. National research grants

1. PN-II-PT-PCCA: - *Asistent inteligent de navigare auto pentru dispozitive mobile bazat pe urmărirea privirii* (NAVIEYES), Proiect 240/2014, 2014-2016, 1438000 RON (Coordonator proiect).
2. IDEI: PROROB – *Programarea cognitivă a roboților din celulele flexibile de fabricație*. Proiect ID_775, 2008-2011, 1.000.000 RON, (Coordonator proiect).
3. CEEX M1: MERVI - *Mediu colaborativ de Realitate Virtuală pentru planificarea pre-operatorie în ortopedie*, Contract 114/2006, 2006-2008, 1.500.000 RON (Coordonator tehnic)
4. CEEX M2: VIRPE – *Realitate Virtuală în Ingineria produsului*, Contract 5920/2006, 2006-2008, 487.000 RON, (Coordonator tehnic)
5. Platformă CNCSIS: TRIMA – *Tehnici și tehnologii de Realitate Virtuală aplicate în Inginerie Medicină și Artă*, 2006-2008, 850.000 Euro, (Coordonator proiect)
6. PN II Parteneriate: TOMIS – *Utilizarea realitatii virtuale in reconstituirea Multimodala 3D a site-urilor istorice* (coordonator Univ. Ovidius of Constanta, Univ Transilvania – partner coordonator), 2007-2010.