

PERSONAL INFORMATION

Gheorghe OANCEA



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Sex M | Date of birth 11/04/1966 | Nationality Romanian

WORK EXPERIENCE

2016-present Professor, PhD, Dean

Faculty of Technological Engineering and Industrial Management, *Transilvania* University of Brasov, Eroilor Str., Nr. 29, Brasov, Romania, www.unitbv.ro

- Didactic and scientific research activities
- PhD supervisor, Industrial engineering
- [Business or sector](#) Educational, Scientific research

2011-2016 Professor, PhD, Head of Manufacturing Engineering Department

Transilvania University of Brasov, Eroilor Str., No. 29, Brasov,

2003-2011 Professor, PhD

Manufacturing Engineering Department, *Transilvania* University of Brasov, Eroilor Str., No. 29, Brasov

1999-2003 Associate Professor, PhD

Manufacturing Engineering Department, *Transilvania* University of Brasov, Eroilor Str., No. 29, Brasov

1996-1999 Lecturer, PhD (1997)

Manufacturing Engineering Department, *Transilvania* University of Brasov, Eroilor Str., No. 29, Brasov

1992-1996 Assistant Professor

Manufacturing Engineering Department, *Transilvania* University of Brasov, Eroilor Str., No. 29, Brasov

1991-1992 CARFIL Company, Zizinului Str., No. 119, Brasov, Romania, www.carfil.ro,

- Engineer, CAD/CAPP Systems
- [Business or sector](#) Industrial

EDUCATION AND TRAINING

2006 ECDL CAD and ECDL Complete - Trainer/ Examiner

ECDL-Romania

- AutoCAD, Microsoft Office

2003 Quality management in higher education

Transilvania University of Brasov

1995 AutoDesk - Trainer

MAXCAD, București

- AutoCAD (2D, 3D), AutoLISP

1993-1997 **PhD, Industrial engineering/Manufacturing engineering**

Transilvania University of Brasov

- PhD thesis entitled „Processors for Technological Design”

1986-1990 **Manufacturing engineer**

Transilvania University of Brasov / Faculty of Manufacturing Engineering

PERSONAL SKILLS

Mother tongue(s) Romanian language

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	C1
French	B1	B1	A2	A2	B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills ▪ good communication skills gained through my experience in didactic and research activities

Organisational / managerial skills

- Dean of Technological Engineering and Industrial Management Faculty (2016-present);
- Head of Manufacturing Engineering Department (2011-2016);
- Deputy Head of Manufacturing Engineering Department (1998-2008);
- Training director of Research platform PLADETINO (Platforms/Laboratories of Interdisciplinary Training and Research developed through NURC-CNCSIS);
- Head of Research Centre D05-Advanced Manufacturing Technologies and Systems, ICDT-ProDD Research Institute, Transilvania University of Brasov (2010-2011);
- Member of Doctoral Studies Council (CSUD), Transilvania University of Brasov (2016-present);
- Member of Transilvania University of Brasov Senate (1987-1990, as student, and 2010-2012);
- Member of Interdisciplinary Doctoral School Council, Transilvania University of Brasov (2011-present);
- Member of Technological Engineering and Industrial Management Faculty Council (1987-1990, as student, and 2004-present);
- Coordinator of master study program – Innovative Manufacturing Engineering (2010-2011; 2013-present);
- Coordinator of master study program – Engineering of Advanced Manufacturing Processes (2015-present);
- Coordinator of ECDL Centre UNITBV-TCM (2006-2007).
- Coordinator of projects/contracts:
 - Optimizing, Testing and Manufacturing of Prototype Parts from Automotive Industry, Contract with company AUTOLIV Romania - 16830/30.10.2012 (2012-2016), Director;
 - Researches Regarding Prototypes Manufacturing from Industrial Engineering Domain, Contract with company DRAEXLMAIER Romania – 15346/24.11.2014 (2014-2016), Director;
 - Cost Estimating Software for Industrial Products with High Level of Customization, Project NURC (CNCSIS) - A428 (2006-2007), Director;
 - PLADETINO - Platform for Technological Innovative Developments (Platforms/Laboratories of Interdisciplinary Training and Research developed through NURC-CNCSIS), Project no. 78/2006 (2006-2008), Director of training programmes;
 - Teaching and research in advanced manufacturing. CEEPUS-CIII-PL-0901-01-1415, UTBV Director.

- Job-related skills**
- Competences areas: Manufacturing Engineering; Innovative Manufacturing Technologies; Reverse Engineering, CAD/CAE/CAPP/CAM Systems.
 - Well-knowing of management, didactic and research activities (currently Dean of Technological Engineering and Industrial Management Faculty).
- Computer skills**
- Autodesk Trainer for AutoCAD - Level 1 (2D Modelling), Level 2 (3D-Modelling) and AutoLISP, certified by MAXCAD, București, 1995;
 - Examiner and trainer for ECDL CAD and ECDL Complete, certified by ECDL- Romania, București 2006.
 - CAD/CAM Software systems: AutoCAD, PowerSHAPE; Mechanical Desktop.
 - Programming languages: VisualLISP/AutoLISP, Delphi, C++.
- Other skills**
- PhD supervisor in Industrial Engineering (2009-present) with three PhD confirmed thesis, two postdoctoral researchers and six PhD students;
 - Associate editor for Academic Journal of Manufacturing Engineering (2013-present);
 - Editor for Journal of Applied Mechanics and Materials (Trans Tech Publication)-Innovative Manufacturing Engineering Conference (IManE'15), Section CAD/CAM/CAE Technologies in Design and Manufacturing;
 - Conference Chairman: Computing and Solutions in Manufacturing Engineering (COSME'16)
 - Conferences Co-chairman: Computing and Solutions in Manufacturing Engineering (COSME'12), International Conference on Modern Technologies in Manufacturing (MTEM'13), Innovative Manufacturing Engineering International Conference (IManE'14 and IManE'15);
 - Reviewer for Computer Aided Design-ELSEVIR (2008) - IF 1.515;
 - Reviewer for Journal of Mechanical Engineering Science – SAGE (2015) - IF 0.589;
 - Reviewer for a lot of international conferences;
 - Official reviewer for PhD thesis (more than 20);
 - Official reviewer for Habilitation thesis (two);
 - ARACIS expert evaluator;
 - Scientific Committee Member for *Transilvania University Bulletin*;
 - International Scientific Committee Member for international conferences: Central European Conference on Logistics (CECOL 2012), International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS'09, MEQAPS'11), International Conference New Technologies in Manufacturing (2009), Computing and Solutions in Manufacturing Engineering (COSME'08, COSME'12), International Conference on Manufacturing Science and Education (MSE'13, MSE'15), International Conference on Modern Technologies In Manufacturing (MTeM'13, MTeM'15), Innovative Manufacturing Engineering Conference (IManE'13, IManE'14, IManE'15, IManE'16), International Conference on Manufacturing Technologies (ICAMAT'14), ;
 - Keynote speaker for ISI conference, The 3rd Int. Conf. on Engineering Mechanics, Structures, Engineering Geology, 2010, Greece;
 - Visiting professor (under CEEPUS program) at Slovak University of Technology in Bratislava, Faculty of Material Science and Technology in Trnava (2006, 2010, 2014, 2015) and College of Nyíregyháza, Hungary (2015).
 - Stages in UE universities:
 - 1997- Quality Assurance in Higher Education – three weeks, University of Derby, UK;
 - 1997- Quality in Design and Manufacturing – two weeks, Fachhochschule Würzburg-Schweinfurt-Aschaffenburg, Germany;
 - 1999 – Continuous Education – 2 weeks Otto von Guericke University of Magdeburg, Germany;
 - The 2nd Advanced Summer Institute (FP6 program no. 016565/2006) organised in Chania, Crete, Greece, 2007.
- Driving licence** ▪ B

ADDITIONAL INFORMATION

Publications (selection)

1. Oancea, G*, Folea, M., Chicos, L., Pârv, L., Morariu, C., Lancea, C., Filip, Al., Cost Estimating of Industrial Products Manufacturing (Estimarea costurilor de prelucrare a produselor industriale), Editura Transilvania University Press, 2008, ISBN 978-973-598-243-0.
2. Oancea, G*, Gîrbacia, Fl., Nedelcu, A., *Software Module for Data Exchange between AutoCAD and a Virtual Reality System*, Product Engineering - Tools and Methods Based on Virtual Reality, Vol. 35, pp. 383-394, Editors Talabă D. & Amditis A., Publisher Springer Netherlands, 2008, ISBN 978-1-4020-8199-6 (HB); ISBN 978-1-4020-8200-9 (e-book). doi 10.1007/978-1-4020-8200-9_19
3. Haba, S., A., Oancea, G., *Digital manufacturing of air-cooled single-cylinder engine block*, The International Journal of Advanced Manufacturing Technology, Volume 80, Issue 5, pp. 747-759, Springer-Verlag London, DOI:10.1007/s00170-015-7038-x (ISSN 0268-3768, FI 1.458)

4. Haba, S., A., Oancea, G.*, *Studies on Thermal Contraction of Crankshaft Bearings under Extreme Low Temperatures*, Journal of Thermal Science, Vol.24, No.5 (2015) pp.496-501, Springer-Verlag London, DOI: 10.1007/s11630-015-0000-0, (ISSN 1003-2169, FI 0.401)
5. Croitoru E. I., Măgurian D., Oancea G.*, *Finite Element Analysis of Heating-Cooling Systems Used in Laminating Tool*, Trans. of FAMENA Vol.40, No.1 (2016) pp. 111-128 (ISSN 1333-1124, FI 0.476)
6. Haba, S. A., Oancea, G., *Design and Manufacturing Optimization of Single-Cylinder Engine Block Prototype Using CATIA Environment*, Applied Mechanics and Materials Vol. 474 (2014) pp. 165-170, doi:10.4028/www.scientific.net/AMM.474.165.
7. Oancea, G*, Manolescu, A., Bădan, I., Pescaru, R., *Customized Software Tools Integrated in Reverse Engineering Process of Rectangular Parts with Holes*, Applied Mechanics and Materials, Vol 371(2013), pp. 473-477, doi: 10.4028/www.scientific.net/AMM.371.473.
8. Buican, G.R., Oancea, G., Manolescu, A., *Remanufacturing of Damaged Parts Using Selective Laser Melting Technology*, Applied Mechanics and Materials Vol. 693 (2014) pp. 285-290, doi: 10.4028/www.scientific.net/AMM.693.285.
9. Oancea, G*, Ivan,N.V., Pescaru, R., *Computer Aided Reverse Engineering System Used for Customized Products*, Academic Journal of Manufacturing Engineering, Vol. 11, Issue 4/2013, (2013) pp. 30-35.
10. Manolescu, A., Fota, A., Oancea, Gh., *Recognizing Algorithm for Digitized Rotational Parts*, ASME conference - The 11th Biennial Conference on Engineering Systems Design and Analysis, ESDA2012, Nantes, France, (2012), pp. 457-466.

Projects (Selection)

1. Project no. 78/2006, 2006-2008, PLADETINO - Platform for Technological Innovative Developments (Platforms/Laboratories of Interdisciplinary Training and Research developed through NURC-CNCSIS) – Director for training programs (Director - Ivan N.V.);
2. Project NURC (CNCSIS) -A428/2006-2007 - Cost Estimating Software for Industrial Products with High Level of Customization, Grant director
3. Project with company AUTOLIV Romania - 16830/30.10.2012, 2012-2016, Optimizing, Testing and Manufacturing of Prototype Parts from Automotive Industry, Contract director
4. Project with company DRAEXLMAIER Romania 15346/24.11.2014, 2014-2016, Researches Regarding Prototypes Manufacturing from Industrial Engineering Domain, Contract Director
5. CEEPUS project, CIII-PL-0901-01-1415, Teaching and research in advanced manufacturing, UTBV - Director
6. Project PC/PN II Partnerships in priority areas No. 71-133 /18.09.2007, 2007-2010, Expert System for Optimization of Technological Processes – ESOP, Member (Director – Ancau M, Director UTBV Ivan N.V.)
7. Project FP6, No.016565/2005-2008, Virtual Reality in Product Design and Robotics, Member (Director – Talaba D)
8. Renforcement des relations universite-milieu socio-economique, Contract:AUF 16125 F5 304 / 2013 - 2015, Member (Director - Parv L)
9. Mise en place d'un reseau regional de centres de reussite universitaire-CRU, Contract:CE/MB/871/2012, Member (Director - Parv L).

Honours and awards

- Prize for Excellence in Research and Human Resources Training- *PLADETINO - Platform for Technological Innovative Developments*, awarded by Transilvania University of Brasov.

Memberships

Founder member of *Manufacturing Engineering University Association*