

## PERSONAL INFORMATION

## Viorel PAUNOIU



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Sex Male | Date of birth 24/11/1959 | Nationality Romanian

## WORK EXPERIENCE

2004–present

**Profesor**

"Dunarea de Jos" University of Galati, Faculty of Engineering 47 Domneasca St., 800008 - Galati, Romania, <http://www.ugal.ro>, <http://www.ing.ugal.ro>

- Teaching and scientific research activities in Industrial Engineering field
  - Director of the Manufacturing Engineering Department (2011-present)
  - Director of the Engineering Research Center in Manufacturing - ITCM (2011- present)
  - Head/Deputy Head of the Manufacturing Engineering Department (2008 - 2009)/(2009 - 2011)
  - Director of the Machines Building Technology Licence Programme (2007-present)
  - Editor-in-chief of Annals of "Dunarea de Jos" University of Galati, Fascicle V, Machime Building Technology, ISSN 1221-4566, (2009 - present)
  - Member of the "Dunarea de Jos" University of Galati Senate (2015 - present)
  - Member of the Faculty of Mechanical Engineering/Faculty of Engineering Council (2008 - present)
  - Evaluator in Romania Agency of Quality Assurance in Higher Education – ARACIS, in the filed of Industrial Engineering (2011-present)
- Activities of tutor, counseling and career guidance for students

Business or sector Higher Education

2001-2004

**Associate Professor, PhD**

"Dunarea de Jos" University of Galati, Faculty of Engineering 47 Domneasca St., 800008 - Galati, Romania, <http://www.ugal.ro>, <http://www.ing.ugal.ro>

- Teaching and scientific research activities in Industrial Engineering field: Processing by cold plastic deformation, Technology of sintering parts, Unconventional technologies for plastic deformation
  - Director of the Machine Tools Operating 3 year Programme (2001-2007)
- Activities of tutor, counseling and career guidance for students

Business or sector Higher Education

1992-2001

**Lecturer**

"Dunarea de Jos" University of Galati, Faculty of Engineering 47 Domneasca St., 800008 - Galati, Romania, <http://www.ugal.ro>, <http://www.ing.ugal.ro>

- Teaching and scientific research activities in Industrial Engineering field: Processing by cold plastic deformation, Technology of sintering parts, Unconventional technologies for plastic deformation
  - Director of the Machine Tools Operating 3 year Programme (1998-2001)
- Activities of tutor, counseling and career guidance for students

Business or sector Higher Education

- 1990-1992 **Assistant Professor**  
"Dunarea de Jos" University of Galati, Faculty of Engineering 47 Domneasca St., 800008 - Galati, Romania, <http://www.ugal.ro>, <http://www.ing.ugal.ro>  
▪ Teaching and scientific research activities in Industrial Engineering field: Processing by cold plastic deformation, Manufacturing Science and Engineering  
Activities of tutor, counseling and career guidance for students  
**Business or sector** Higher Education
- 1987-1990 **Research Asistent**  
"Dunarea de Jos" University of Galati, Faculty of Engineering 47 Domneasca St., 800008 - Galati, Romania, <http://www.ugal.ro>, <http://www.ing.ugal.ro>  
▪ Teaching and scientific research activities in Industrial Engineering field: Processing by cold plastic deformation, Manufacturing Science and Engineering  
**Business or sector** Higher Education
- 1984-1987 **Design Engineer**  
MEFIN Sinaia – Fuell Injection Equipment & Automotive Components  
Manufacturing Technology Designer  
**Business or sector** Industry

## EDUCATION AND TRAINING

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- 2018 **Visiting professor**  
Teaching activities in material cutting,  
University of Constantine, Algeria
- 2013 **Certificate of graduation**  
English Language – B grade  
"Dunarea de Jos" University of Galati, Centre for Continuing Education and Technological Transfer – CFCTT, 47 Domneasca St., 800008 - Galati, Romania
- 2009 **Certificate of graduation**  
Implementation and maintenance of quality management systems, "Dunarea de Jos" University of Galati, Centre for Continuing Education and Technological Transfer – CFCTT, 47 Domneasca St., 800008 - Galati, Romania
- 2007 **Post-university Studies: Design with SOLID EDGE V. 17**  
Design with SOLID EDGE V. 17, Modulele Part, Draft, SheetMetal, Assembly  
"Dunarea de Jos" University of Galati, Centre for Continuing Education and Technological Transfer – CFCTT, 47 Domneasca St., 800008 - Galati, Romania
- 2001 **Certificate of graduation**  
Industrial Property Protection Applied to Business Leadership, "Dunarea de Jos" University of Galati, Centre for Continuing Education and Technological Transfer – CFCTT, 47 Domneasca St., 800008 - Galati, Romania
- 1999 **Diploma Hoganas PM School**  
Basics of Materials Science, Powder Production and Properties, Pressure, Sintering, Secondary Operations, Test Methods and Properties of Sintered Materials
- 1992–1998 **PhD in Industrial Engineering**  
"Dunarea de Jos" University of Galati, 47 Domneasca St., 800008 - Galati, Romania  
Scientific field: Industrial Engineering
- 1992 **Visiting assistant professor**

15 January-15 April Research activities in the field of material forming processes  
Internships coordination of Romanian students from the Faculty of Mechanics Galati  
CEMEF – Centre de Mise en Forme des Matériaux, B.P. 207 - 06904 Sophia Antipolis  
Cedex, France

1979-1984 **Bachelor of Science in Mechanical Engineering**  
"Dunarea de Jos" University of Galati, 47 Domneasca St., 800008 - Galati, Romania  
Scientific field: Mechanical Engineering

PROFESSIONAL SKILLS

Mother tongue(s) Română

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

**Research Fields**

- Development of metal forming processes and advanced technologies;
- Fundamental and applicative research in sheet metal forming: modelling & simulation, behaviour of materials subjected to plastic deformation;
- Inspection technologies for sheet metal forming;
- Digital forming and reconfigurable technologies for sheet metal forming;
- Fundamental and applicative research in powder forming: modelling & simulation, behaviour of sintered materials in service;
- Additive manufacturing of metal based materials.

**Communication skills**

- Communication skills acquired and developed in the teaching and research activities;
- Team spirit acquired as a result of the didactic and research activities;
- Ability to adapt to th multicultural environments as a result of participating in different internships.

**Organisational / Managerial skills**

- Director Department of Manufacturing Engineering (2011-prezent);
- Deputy Head of Department TCM/CMRS (2009-2011);
- Head of Department (2008-2009);
- Director of the "Manufacturing Technology" Licence Programme (2016 - present)
- Director of "Machine Tools Operating" 3 year Programme (1998-2001)
- Editor-in-chief of Annals of "Dunarea de Jos" University of Galati, Fascicle V, Machine Building Technology
- Member of the "Dunarea de Jos" University of Galati Senate (2015 - present);
- Member of the Faculty of Mechanical Engineering/Faculty of Engineering Council (2008 - present);
- Experience in international and national projects management;
- Experience in organising of international and national conferences, international seminars and workshops;
- Responsible for the collaboration with DACIA-RENAULT Company

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

- Good command of office suite (Word, Excel, PowerPoint) and Internet;
- Good command of photo editing software (Adobe Photoshop, Corel Draw);
- Good command of FEA SOFTWARE used in modelling and simulation of cold plastic

deformation processes (DYNAFORM);  
- Good command of SOLID EDGE used in CAD modelling.

## ADDITIONAL INFORMATION

### Projects obtained by competitions

- 2017-2019 - Project Manager, Intelligent Manufacturing Technologies for Advanced Production of Parts in Automotive and Aeronautical Industries (TFI PMAIAA), PN-III-P1-1.2-PCCDI-2017-0446 / Grant 82/2018
- 2009-2011 - Project Manager, Study of the rigid /elastic /elasto-plastic media behavior and its application to the reconfigurability, of multi-point deformation dies, Grant ID-1761/2008
- 2006-2008 - Project Manager, MATERPROF- Materials, Technologies and Equipments for plane and spatial profiling, Grant CEEX\_M1, 130 / 20.07.2006
- 2017-2019 - Project Manager, The Algerian national laboratory for maintenance education , 586035-EPP-1-2017-1-DZ\_EPPKA2-CBHE-JP
- 2015-2018 - Project Technical Manager, South Mediterranean Welding Centre for Education, Training and Quality Control (SM WELD), 561786-EPP-1-2015-1-SEEPPKA2-CBHE-JP
- 2006-2008 - Researcher, PC6 Virtual Intelligent Forging VIF\_CA 507331
- 2005-2008 - Topic Responsible, Simulation, Modeling and Virtual Production Methods based on Information and Communication Technology dedicated to the new generation of reconfigurable processing systems, RECONFIG, CEEX Contract -M1- C1 Nr. 22/2005

### Documentary and educational internships

- 1991 - Metal Forming Institute (INOP) Poznan, Poland – spinning and flowforming
- 1998 - University of Limerick, Irlanda, - computer design
- 2001 - University of PATRAS, Greece – rapid-prototyping
- 2007 - University Tor Vergata, Italy – laser forming

### Conferences, Seminar

- 2009 -Chairman - The International Conference on Advanced Manufacturing Engineering and Technologies, NEWTECH 2009, Dunarea de Jos University of Galati, 23-25 September 2009
- 2011 - Co- Chairman - The International Conference on Advanced Manufacturing Engineering and Technologies, NEWTECH 2011, Brno University of Technology, 14-15 September, 2011
- 2013 - Co- Chairman - The International Conference on Advanced Manufacturing Engineering and Technologies, NEWTECH 2013, KTH University, Stockholm, October, 2013
- 2015 - Co- Chairman - The International Conference on Advanced Manufacturing Engineering and Technologies, NEWTECH 2015, Wroclaw University of Technology, Wroclaw, September, 2015
- 2017 - Co- Chairman - The International Conference on Advanced Manufacturing Engineering and Technologies, NEWTECH 2011-2017, Belgrade University of Technology, Belgrade, September, 2017
- 2009 - Chairman - Section 4 - The International Conference on System Science and Simulation in Engineering, ICOSSE, Genova, Italy, October 17-19, 2009
- 2012, 2017, 2018, 2019 - Co-Chairman - International Conference Modern Technologies, Quality and Innovation, MOD-TECH

### Research evaluation & scientific review

- Measurement – Elsevier – Journal ISI
- Materials Design - Elsevier – Journal ISI
- International Journal of Mechatronics and Manufacturing Systems – Journal IDB
- International Journal of Production and Quality Engineering (IJPQE), Published By : Serials Publications ISSN: 0976-6189 Frequency : Bi-Annual – Journal IDB

- International Conference Modern Technologies, Quality and Innovation, New face of TMCR, Iași Chișinău
- Journal Proceedings in Manufacturing Systems, Volume No. 5, 2010, București

Honours and awards

- 2018 Paunoiu V., BEST PAPER AWARD, Proc. of the Sixth Intl. Conf. Advances in Civil, Structural and Mechanical Engineering - CSM 2018
- 2017 SPECIAL CHARTER – for Contribution to Development of The International Conference on Advanced Manufacturing Engineering and Technologies, NEWTECH 2017, 5th – 9th June 2017, Faculty of Mechanical Engineering, Belgrade, Serbia
- 2013 Excellence Diploma “Octavian Pruteanu”, International Conference, MODTECH,, SINAIA, 2013
- 2011 Excellence Diploma International Conference Modern Technologies, Quality And Innovation, New Face ff TMCR Chișinău, 2011
- 2007 Award for the project entitled: Virtual simulation, modeling and virtual production methods based on information and communication technology dedicated to the new generation of reconfigurable processing systems - ANCS

Membership

- Professional Association in Modern Manufacturing Technologies, MODTECH – 2009
- Romanian Association of Tensometry, ARTENS – 2008.
- European Scientific Association for Material FORMing, ESAFORM – 1998.
- America society of manufacturing Engineering, ASME – 2017
- University Association of Manufacturing Engineering, AUIF – 2015
- Romania Automotive Engineering Society, SIAR - 2014

BOOKS - ARTICLES - GRANTS - PATENTS	
A. PhD Thesis in Engineering Sciences - Industrial Engineering	1
B. Books	12
C. Articles published in scientific journals	56
C1. Journals indexed by Thomson Reuters – Web of Science (ISI)	5
C2. Conferences indexed by Thomson Reuters - Web of Science (ISI)	8
C3. Journals indexed by International Databases (IDB)	43
D. Patents (author/coauthor)	5
E. Citations	70
E1. ISI Journals	10
E2. IDB Journals	60
F1. National R&D and innovative projects (director, responsible, member)	19
F2. Grants funded by EC (/responsible/member)	4
F3. Grants with industry (director/member)	3
Indicele Hirsch Scopus	3
Indicele Hirsch Google Scholar	7
Indicele Hirsch ISI WEB	2

June, 2019,  
 Professor Viorel PAUNOIU, PhD