



Curriculum Vitae Europass

Personal information

First name, LAST NAME **Marian, GHEORGHE**
Address University POLITEHNICA of Bucharest, Splaiul Independenței, 313, sector 6, 060042 Bucharest, Romania.
Tel. *Mobil phone* (+ 4) 0745 121 407
E-mail marian.gheorghe@upb.ro
Nationality Romanian
Date of birth 05.07.1948
Gender M

Targeted employment place/ Occupational field

PhD Committee

Scientific and professional experience

Time period	1992 – present
Occupation or position held	Professor
Main activities and responsibilities	<ul style="list-style-type: none">• Lecturing, design and lab applications for profile subjects – Engineering and Management of Production Processes, Flexible Manufacturing Technology and Systems, Fundamentals of Engineering and Management, Product Manufacturing, Manufacturing Processes, Technology Strategy.• Design, research and development, as well as technical assistance in industrial engineering.
Name and address of employer	University POLITEHNICA of Bucharest, Faculty of Industrial Engineering and Robotics (<i>former</i> : Engineering and Management of Technological Systems), Department of Machine Constructions Technology, Splaiul Independenței, 313, 060042 Bucharest, Romania.
Type/ sector of activity	Higher Education
Time period	1991 – present
Occupation or position held	PhD Supervisor, in Industrial Engineering field.
Main activities and responsibilities	<ul style="list-style-type: none">• Design, research and development in Industrial Engineering field.• PhD Supervising in Industrial Engineering field.
Name and address of employer	University POLITEHNICA of Bucharest, Faculty of Industrial Engineering and Robotics (<i>former</i> : Engineering and Management of Technological Systems), Department of Machine Constructions Technology, Splaiul Independenței, 313, 060042 Bucharest, Romania.
Type/ sector of activity	Higher Education
Time period	1990 - 1992
Occupation or position held	Associate Professor
Main activities and responsibilities	<ul style="list-style-type: none">• Lecturing, design and lab applications for profile subjects – Product Manufacturing, Flexible Manufacturing Technology and Systems.• Design, research and development, as well as technical assistance in industrial engineering.
Name and address of employer	University POLITEHNICA of Bucharest, Faculty of Industrial Engineering and Robotics (<i>former</i> : Engineering and Management of Technological Systems), Department of Machine Constructions Technology, Splaiul Independenței, 313, 060042 Bucharest, Romania.
Type/ sector of activity	Higher Education

Time period	1979 - 1990, 1971 - 1979
Occupation or position held	Lecturer, Assistant
Main activities and responsibilities	<ul style="list-style-type: none"> • Lecturing, design and lab applications for profile subjects – Product Manufacturing, Flexible Manufacturing Technology and Systems, Control Systems, Experimental Research. • Design, research and development in industrial engineering.
Name and address of employer	Polytechnic Institute of Bucharest (<i>at present</i> : University POLITEHNICA of Bucharest), Faculty of Machine Constructions Technology (<i>at present</i> : Industrial Engineering and Robotics/ <i>former</i> : Engineering and Management of Technological Systems), Department of Machine Constructions Technology/ Splaiul Independenței, 313, 060042 Bucharest.
Type/ sector of activity	Higher Education
Education/ training	
Time period	1990 - present
Type	Short specialisation programmes/ work visits on higher education, research and development matters.
Institution of education/ training	Universities and other institutions from Romania, Europe, USA, China.
Time period	1997 - 1998
Training	Training program on Public Administration Reform, Bucharest.
Time period	August 1976 – March 1977
Statute	Fulbright Scholar
Programs/ Certificate awarded	<ul style="list-style-type: none"> • IREX Summer English Language Program/ Certificate. • Program of theoretical and experimental scientific research on diamond machining of materials, as part of PhD study program.
Institutions	American University in Washington DC, and University of Rhode Island, USA.
Time period	1976 - 1984
Qualification/ diplome awarded	PhD/ Doctor Eng. in Industrial Engineering.
Main scientific area	Materials machinability
Institution	Polytechnic Institute of Bucharest (<i>at present</i> : University POLITEHNICA of Bucharest), Faculty of Machine Constructions Technology (<i>at present</i> : Industrial Engineering and Robotics/ <i>former</i> : Engineering and Management of Technological Systems), Department of Machine Constructions Technology/ Splaiul Independenței, 313, 060042 Bucharest.
International classification level	ISCED 8
Time period	1966 -1971
Qualification/ diplome awarded	Diplome Engineer, in Machine Constructions Technology specialisation.
Main subjects/ professional competences	Mathematics, Physics, Chemistry, Drawing and Descriptive Geometry, Materials Technology, Materials Strength, Mechanisms, Machine Elements, Fluid Mechanics, Electrotechnics, Electronics, Tolerances and Control, Machine Tools, Cutting Tools Design, Cold Plastic Deformation Technology, Product Manufacturing Technology, Technological Devices Design, Optimisation, Enterprise Organisation and Management/ Design, research and development in industrial engineering.
Institution	Polytechnic Institute of Bucharest (<i>at present</i> : University POLITEHNICA of Bucharest), Faculty of Machine Constructions Technology (<i>at present</i> : Industrial Engineering and Robotics/ <i>former</i> : Engineering and Management of Technological Systems), Department of Machine Constructions Technology/ Splaiul Independenței, 313, 060042 Bucharest.
International classification level	ISCED 7

Personal aptitudes and competences

Mother tongue Romanian

Other languages

Self-assessment

European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Oral speech		Written expression	
B2	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user
A1	Basic user	A2	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

(*)Common European Framework of Reference for Languages

Social competences and aptitudes

Spirit of initiative, capacity to work individually or in teams, quick adaptability, capacity of communication and public presentation in diverse cultural environments - result of complex activities with students, academic and technical staff, other people in the country and abroad.

Organisational competences and aptitudes

Capacity to coordinate activities and groups of people, manifested in the educational activities with large series students, in projects, and in scientific and administrative positions, as subject titular, project director, head of department, vice-rector, evaluation committees, etc.

Technical competences and aptitudes

Design and technical support to the development of processes and equipment, some of which are dynamometers and other devices are patented as inventions or innovations, that are functional in various laboratories, and some industrial technologies have been applied.

Computer skills

Good level of operating tools Word, Excel, PowerPoint, Internet - in a professional context.

Additional information

International Projects/ Contracts

	Position	Time period
• Project 01 on EnQii Wireless Campus Innovative Technology for the University POLITEHNICA of Bucharest, EQWCIT-UPB-08.01	Director	2008 - present
• Project 01 on InterSystems Caché Campus Innovative Technology for the University POLITEHNICA of Bucharest, ISCCIT-UPB-07.01	Director	2007- present
• European University Association "Creativity in Higher Education" Project	Coordinator UPB	2006 - 2007
• Tempus S_JEP-12434-97 "Network of Departments for U-E-O Cooperation" Project	Coordinator and Contractor	1997 - 2001
• Tempus S_JEP-11284-96 "Quality in Engineering and Design" Project	Coordinator	1996 - 1999
• Tempus CME-02104-96 "Restructuring Strategy of Polytechnic Higher Education" Project	Contractor	1996 - 1997

National Projects/ Contracts

	Position	Time period
• System of training and evaluation, student-centered, online, at fundamental subjects for bachelor and master technical higher education, Project/ Contract no. POSDRU/86/1.2/ S/62485	Project Manager	Sep. 2010 – Nov. 2013
• Excellency in research by doctoral and postdoctoral scholarships (ExcelDOC)", Project/ Contract no. POSDRU/159/1.5/ S/132397	Responsible for the 4 th doctoral research nucleus	Apr. 2014 – Dec.2015
• Continuous professional training adapted to new technologies in the machine constructions industry, Project/ Contract no. POSDRU/80/ 2.3/S/57795	Expert	2010
• CAD-CAM-CAE integrated system for parts with complex shapes from the turbo engines structure, Program "Partnerships in priority fields", Project/ Grant/ Contract no. PO-04-Ed3-R1-F5	UPB Coordinator	2007 - 2010
• Manufacturing and application of colored bituminous emulsions, INVENT national program, Project/ Grant MEC/ ANCS-INVENT + Co-financing by SC POLLCHIMIC SA Giurgiu and Foundation "Professor Constantin Popovici"	Director	2005 - 2006
• 39 projects, based on contract or grant, with industrial units, MCT, ANSTI, MEC, CNCSIS, INVENT/ 2 PTS Program.	Director or participant	1973 - 2005

Research and development activities, and relevant results

- Scientific areas of interest: higher education; industrial manufacturing/ production processes and systems; materials machinability; product development; research methodology and systems; integrative structures.
- Developments, through scientific research works, on manufacturing/ production processes and systems: definition and mathematical formalization of new concepts - process function, machinability function, adjusting function operation of real functions, etc.; theoretical and experimental modeling of fundamental processes associated with manufacturing - machinability, wear and tool-life of cutting tools, surface roughness, technological system stiffness, honing process etc.; design algorithms of manufacturing technologies; defining and calculus of kinematics characteristics of technical systems; modeling of product functional-technological characteristics; conceive of dynamometers and other devices, some of which are patented as inventions or innovations, being functional in various laboratories for teaching and research; integrative structures of education, societal, industrial, technical, managerial and economic matters.
- Developments of higher education structures, evaluation criterial systems for research and academic titles awarding, creation/ development of university study programmes, etc., reflected in official national regulations or in some international documents.
- Expertise in projects management, as consequence of design and performing/ management of complex projects based on contract, including international ones.
- Scientific supervising of 35 PhD graduates, as well as of other PhD students being in different stages of the doctoral activity, in Industrial Engineering field.
- Publications: 78 scientific papers published in acknowledged national/ international journals or conference proceedings; 2/ 7 invention patents/ innovations; 44 research and development projects/ contracts; 10 books, short monographs, and guides.

Positions and other references

- Director of the Doctoral School on Industrial Engineering and Robotics (*former*: Engineering and Management of Technological Systems), University POLITEHNICA of Bucharest, April 2012 – present.
- Vice-Rector for International Relations and Partnerships, University POLITEHNICA of Bucharest, 2004 - 2012.
- Head of Machine Constructions Technology Chair/ Department, Faculty of Engineering and Management of Technological Systems, University POLITEHNICA of Bucharest, 1990 – 2004.
- Senate Member - University POLITEHNICA of Bucharest, Academic Council Member - Faculty of Engineering and Management of Technological Systems, University POLITEHNICA of Bucharest, 1990 - 2020.
- Member of the Machine Constructions Technology Chair/ Department Council, University POLITEHNICA of Bucharest, 1990 - present.
- President/ Reviewer of/ in contest commissions for titles/ posts of professor, associate professor, lecturer or assistant, 1990 - present.
- President/ member of/ in commissions for doctoral exams or reports, as well as for public defense of the doctoral theses, 1992 - present.
- Head of European Integration Office/ 1996-1998, Director of Postgraduate Education and Research/ 1998-2000, Deputy Director general of Higher Education/ 2001- 2004, Ministry of Education and Research, Romania.
- President/ member of/ in the Commission of Industrial Engineering/ Industrial Engineering and Management from National Council for Attestation of University Titles and Certificates (CNATDCU), 1998 - 2009, 2012 - 2016.
- Expert evaluator at National Council for Scientific Research in Higher education (CNCSIS), National Council for Higher Education Financing (CNFIS), National Agency for Science and Technology (ANSTI), National Council for Academic Evaluation and Accreditation (CNEAA), Romanian Agency for Quality Assurance in Higher Education (ARACIS), 1995 – 2010.
- Author of the technical study "The Management of Human Resources for University Scientific Research", Higher Education Reform in Romania, 1993.
- Vice-President of TCM Engineers Society/ AGIR; Member - Tribology Romanian Association, Nonconventional Technologies Romanian Association, Economic Engineering Romanian Association.
- Bologna Expert, 2008 – 2012.
- Invited author/ paper "Competences - Skills - Knowledge Synergy in Higher Education" in EUA 2006 Autumn Conference Brno, Working Group WG4 on Professional Skill Development in Higher Education for Knowledge - Based Regions, 19 - 21.10.2006.
- Member of the CESAER European Working Group on PhD Study Core Components, 2005 – 2008.
- Member of the Romania – USA Fulbright Commission, 2000 – 2005.
- The Merit Diploma of *Distinguished Lecturer*, 1985.
- The Merit Order for Education in Grade of Grand Officer, M.O.R. nr. 1097/ 10.12.2004.
- A number of Honorary Diplomas for contributions to the development of higher education and scientific research, 1998 - present.