



Curriculum vitae Europass



Personal Information

Name / Surname **Pugna Adrian Pavel**
Address/Home Str. Bela Bartok 34, Timișoara, 300594, România
Phones 0040256404041 Mobile: 0040745500234
E-mail adrian.pugna@upt.ro
Citizenships Romanian, Canadian
Birth Date 05.09.1961
Sex Male

Professional Experience

2022 - present Full Professor

2009 - 2022 Associate professor

University "Politehnica" Timișoara, Str. Victoriei 2., 300006, Timișoara, România, www.upt.ro

- Courses, seminars, laboratories and projects in the disciplines: Quality Engineering and Management, Optimizations in Quality Engineering and Management, Value Engineering and Management in the undergraduate and master's courses at the Faculty of Management in Production and Transportation at the University "Politehnica" Timișoara.
- Restructuring the disciplines related to Quality Engineering and Management by introducing the latest and most modern approaches with the creation of a progressive information flow from undergraduate to master's courses.
- Participation in the development and accreditation of a new master's degree, Quality and Competitiveness Engineering and Management, in English, at the Faculty of Management in Production and Transportation at the University "Politehnica" Timișoara.
- Development of new disciplines: Total Quality Management for the master's degree in Competitiveness Engineering and Management, Six Sigma for Process Improvement and Total Productive Maintenance for the master's degree in Quality and Competitiveness Engineering and Management, in English, at the Faculty of Management in Production and Transportation at the University "Politehnica" Timișoara.
- Participation in internal audits at the level of the University "Politehnica" Timișoara.
- Studies and researches in the field of Attractive Quality Theory, application of Experimental Design in various engineering fields.
- Leading the bachelor's and dissertation projects in the field of Quality Engineering and Management.
- Promotion through competition and appointment as Associate Professor by decision 250/112 / C starting with 23.02.2009.

2006 - 2009 Lecturer

- Courses, seminars, laboratories and projects in the disciplines: Quality Engineering and Management, Business Negotiation, Production Management, Value Engineering and Management, Legislation and Business Techniques. Laboratories, seminars and projects in the disciplines of Ergonomics, Logistics.

2002 - 2006	Assistant Professor
	<ul style="list-style-type: none"> ▪ Seminars, laboratories and projects in the disciplines: Quality Engineering and Management, Business Negotiation, Production Management, Value Engineering and Management, Legislation and Business Techniques. Laboratories, seminars and projects in the disciplines of Ergonomics, Logistics.
July 1999 – Jan. 2000	Quality Engineer Collins & Aikman Plastics, Ltd., 165 Milner Avenue, Scarborough, Ontario, Canada, M1S 4G7 <ul style="list-style-type: none"> ▪ Programming and supervision of laboratory activities (dimensional, chemical, resistance). Supplier auditing by applying Quality System Analysis.
Apr. 1999 – July 1999	Project Engineering Coordinator Rollstamp Mfg., a division of Magna Exteriors and Interiors Corp., 90 Snidercroft Road, Concord, Ontario, Canada, L4K 2K1 <ul style="list-style-type: none"> ▪ Responsible for all engineering and quality assurance issues for parts and subassemblies made for Ford, General Motors, Nissan, Toyota.
Apr. 1996 – Apr. 1999	Senior Quality Engineer Polyrim Green Lane, a division of Magna Exteriors, 67 Gren Lane, Thornhill, Ontario, Canada, L3T 6K6 <ul style="list-style-type: none"> ▪ Program Manager for CK Truck – General Motors, SSE Bonneville – General Motors, Pontiac F Car – General Motors, FN-145 – Ford, GMEV – General Motors, Corvette – GM. Coordinating the work of permanent representatives at US and Mexico assembly plants: Pontiac East, Dearborn – Michigan, Bowling Green, Kentucky, Arlington – Texas and Hermosillo, Leon from Mexico.
Nov. 1995 – Apr. 1996	Quality Engineer Salga Associates, a division of ABC Group, 161A Snidercroft Road, Concord, Ontario, Canada, L4K 2J8 <ul style="list-style-type: none"> ▪ Carrying out Statistical Process Control studies to improve the manufacturing process and the assembly process. Defining Process Failure Mode and Effect Analysis and tracking Production Part Approval Process activities. Carrying out studies by applying Design of Experiments.
1992 - 1994	Lecturer Faculty of Mechanics, Precision Mechanics Department University "Politehnica" Timișoara, Str.Victoriei 2., 300006, Timișoara, România, www.upt.ro <ul style="list-style-type: none"> ▪ Courses, seminars, laboratories and projects in the disciplines: General Metrology, Applied Metrology, Mechanisms of Precision Mechanics. ▪ Decision 136/112 / C of 04.03.1992 on the appointment as Lecturer at the Faculty of Mechanics, Machine Parts and Mechanisms Department.
1990 - 1992	Assistant Professor Faculty of Mechanics, Precision Mechanics Department University "Politehnica" Timișoara, Str.Victoriei 2., 300006, Timișoara, România, www.upt.ro <ul style="list-style-type: none"> ▪ Seminars, laboratories and projects in the disciplines: General Metrology, Applied Metrology, Mechanisms of Precision Mechanics. ▪ Decision 953/112/C din 31.07.1990 on the appointment as Assistant Professor at the Faculty of Mechanics, Machine Parts and Mechanisms Department.
Nov. 1987 - 1990	Associate Assistant Faculty of Mechanics, Precision Mechanics Department University "Politehnica" Timișoara, Str.Victoriei 2., 300006, Timișoara, România, www.upt.ro <ul style="list-style-type: none"> ▪ Seminars, laboratories and projects in the disciplines: General Metrology, Applied Metrology, Mechanisms of Precision Mechanics. ▪ Decision 2065/26.10.1987 on the appointment as Associate Professor at the Faculty of Mechanics, Machine Parts and Mechanisms Department.

1985 – Nov. 1987

Mechanical Engineer

Electrical Measuring Devices Enterprise (IAEM), Timișoara, Romania

- Providing technical support for production activities.

Education

2021

Certificate of Habilitation in the Engineering and Management domain of doctoral studies

University "Politehnica" Timișoara, Str.Victoriei 2., 300006, Timișoara, România, www.upt.ro

- Order of the Minister of Education regarding the granting of the habilitation certificate no. 3958 of 14.06.2021 in Engineering and Management field of doctoral studies, following the public defense on 29.01.2021 of the Habilitation Thesis entitled "**Contributions on Development of Quality Engineering and Management with Applications in the Theory of Attractive Quality and Six Sigma Methodology**".
- Decision of the Rector of UPT 791/112 / C of 23.06.2021 regarding the appointment as a doctoral supervisor in the Engineering and Management field of doctoral studies within IOSUD-UPT.

2001 - 2005

PhD in Engineering Sciences

University "Politehnica" Timișoara, Str.Victoriei 2., 300006, Timișoara, România, www.upt.ro

- Doctoral Degree in Mechanical Engineering - Cum Laude, following the public defense on 13.05.2005 of the thesis entitled "**Researches on Robust Taguchi design of the growth of alpha-quartz monocrystals by hydrothermal method**" and the Order of the Ministry of Education and Research number 4802 of August 15, 2005.

1980 - 1985

Mechanical Engineer, Precision mechanics

- Head of promotion

Personal skills and competences

Mother tongue

Romanian

Known foreign language(s)

Self assessment

European Level (*)

English

Understanding		Speaking		Writing
Listening	reading	Participation in the conversation	Oral speech	Written expression
C1/2	C1/2	C1/2	C1/2	C1/2

(*)Level of the Common European Framework of Reference for Foreign Languages

Social skills and competences

- Involved in social activities. Good communication skills acquired through the own experience of Supplier Quality Liaison and Professor.

Organisational skills and competences

- Leadership (I led work groups between 10 and 80 people)

Technical skills and competences

- Applied Statistics, Experimental Design, Response Surface Methodology

Computer skills and competences

- Good knowledge of Microsoft Office™ tools and statistical programs (eg Statgraphics Centurion, Minitab, Statistics)

Driving licence ▪ B Category

Additional Information

Publications

- 6 articles in journals indexed in the Clarivate Analytics Web of Science database, of which 1 in Q1 (Public, Environmental & Occupational Health in SSCI Edition 41 of 176); 1 in Q1 (Metallurgy & Metallurgical Engineering 17 out of 80) and 1 in Q2 (Business 70 out of 152, Management 102 out of 226)
- 32 articles at international conferences indexed in the Clarivate Analytics Web of Science database.
- 13 articles in journals and volumes indexed in other international databases (BDI).
- 71 articles in journals or volumes not indexed in BDI.
- co-author of 1 book at an international publishing house.
- co-author of 5 chapters in books at international publishing houses.
- author and co-author of 9 books at recognized national publishers.
- author and co-author of 8 teaching materials, including in electronic format - course support.
- 12 research contracts, of which on 2, contract director (Contract BC 25/11.03.2015, Continental Automotive Romania SRL - 64934.4 lei; Contract BC 7 / 30.01.2020, Berg Banat SRL – 29750 lei).

Awards

- The third prize at the contest "Technical Book 2009" awarded by AGIR Timiș branch to the group of authors Adrian Pavel Pugna and Ioan Grozescu for the book "Robust Taguchi Design. Comparisons, Opportunities, Applications in Hydrothermal Technology "
- The diploma of excellence at the "Technical Book 2009" competition awarded by AGIR, Timiș branch, to the group of authors C.D. Dumitrescu, Adrian Pavel Pugna, C. Militaru for the book "Quality, Reliability, Maintenance of Complex Systems".

Affiliations

- American Society for Quality (ASQ), <https://asq.org/>, Active member, 1996-1998
- General Association of Romanian Engineers (AGIR), <https://www.agir.ro/>, Active member, 2004-2015
- Romanian Society for Industrial Robotics (ROMSIR), <https://www.robcon.ro/srr/index.html>, Founding member, active 1990 - 1994
- Romanian Society of Measurements (SRM), <https://www.srm-ro.org/>, Active member, 1990 - 1994
- Romanian Academic Management Society (SAMRO), <http://samro.ro/>, Active member, 2017-present

Specializations

- AutoCAD Specialist, Caddgroup Education Services, Toronto, Canada 1995
- Geometrical Dimensioning & Tolerancing, Quality Management Services Inc., Toronto, Canada 1995
- Team Oriented Problem Solving, Magna Engineering R&D, Toronto, Canada 1997
- Management Methods of Dr. W. Edwards Deming, Process Improvements Inc., Toronto, Canada 1997