

Curriculum Vitae	Popan Gheorghe		
Personal information			
First name(s) / Surname(s)	Popan Gheorghe		
Address(es)	-no. 83, Colentina, ap. 116, Sector 2, Bucharest, Romania -Mailing address :12/A GORGAN SPATARUL Street; BUCURESTI District : 2 ; ROMANIA		
Telephone(s)	(40-21) 240 40 08	Mobile:	0723 53 93 88
Fax(es)	(remove if not relevant, see instructions)		
E-mail	popangerge@yahoo.com,		
Nationality	Romanian		
Gender	male		
Desired employment / Occupational field	(remove if not relevant, see instructions)		
Work experience			
Dates	01 March 1999- at present		
Occupation or position held	PHD(Dr.eng) Scientific researcher I, Head of research laboratory, manager of Research Center for Intelligent Measurement Technique –CERTIM, Associate Professor Polytechnic University (1989-2006), Bucharest, PRESIDENT of The Association of National and European Projects Evaluators (ASEVAL)		
Main activities and responsibilities	<p>a)Research</p> <ul style="list-style-type: none"> - Coordination of project teams to achieve project ideas, the project proposals, the self-evaluation and improvement of project proposals, development projects approved for financing with the final product again. For their results the new products obtained medals at international inventions Showrooms (Geneva, Brussels, Paris, Hanover) - Dissemination of results obtained from domestic and international conferences and symposiums; - Publication of results in professional journals - Participation in national and international research programs with specific activities for development of the infrastructure and facilities of the project - Connection of laboratory work at the European Research Area (ERA) - Development of new research and product development technologies - Technical studies, feasibility studies, market surveys <p>b) Evaluation - CDI expert evaluator- In the database of the National Council</p> <ul style="list-style-type: none"> -CNCSIS Scientific Research and Higher Education (1999-2013) - International projects Evaluator in "Hungary-Romania Cross-Border Co-operation Programme 2007-2013; (Environment and Infrastructure 2010-2013) 		
	<ul style="list-style-type: none"> - International Evaluator for "CBC Programme Romania - Bulgaria 2007- 2013" (Environment and Infrastructure 2010-2013) -European projects Evaluator for project Romania Black Sea border; (Environment and Infrastructure 2011-2013) 		



	<ul style="list-style-type: none"> - European Program Evaluator for FP7 projects (pr. Research 2007-2013) - Technical and financial evaluation (as an expert evaluator) for complex and interdisciplinary research projects at European level - Technical and financial evaluation of national programs and projects funded by European funds (CERES-Institute of Atomic Physics Magurele; AMCESIT-Politehnica; CNMP, AM-PODCA,) (1999-2013) - Technical and financial evaluation in the development of infrastructure projects; - Development of proposals and implementation for projects POSCCE (2007-2013) - Assessment of environmental monitoring projects and risk prevention of pollution and natural disasters (2005-2013) - Implementation and evaluation of POSDRU projects (2007-2013) <p>c) Education - Teaching at the Bucharest Polytechnic University as Associate Professor</p> <ul style="list-style-type: none"> - Personal training, especially young researchers in the field modern methods of LASER measurement. - PhD theses reviews -Scientific papers reviews for international congresses (USA, Asia, EU); <p>Experience in implementation and evaluation of complex projects:</p> <p>i) Experience of 34 years in developing and implementing of more than 250 projects;</p> <p>ii) Coordination experience in implementing, over 20 years and in over 150 projects – (as Project manager). In 2004 we won first place (at national level) for coordination of the Research Project-Calist.</p> <p>iii) Experience in evaluation of various and complex projects over 20 years (Horizont 2000, Calist, Invent, CERES-Institute of Atomic Physics Magurele; POS DCA- Modius; POS DRU- ARUP, ANVESA; POSCCE- KPMG, WYG International Consulting; Transfrontaliere -Hu-Ro; Ro-Md-Ucr; Ro-MN...)</p> <p>d) Services</p> <ul style="list-style-type: none"> - High precision dimensional measurement - LASER Calibration and calibration equipment using laser interferometry and laser dimensional measuring and control using LASER equipment -Calibration machine, equipment - Performance certification of imported products
Name and address of employer	National Institute of Research and Development for Mechatronics and Measurement Technique – INCDMTM Bucharest, 6-8 PANTELIMON STREET, SECTOR 2, CODE 021631,ROMANIA
Type of business or sector	RESEARCH - RTD
Dates	01.August 1997-01 March 1999
Occupation or position held	PHD (Dr. Eng.) Scientific researcher II
Main activities and responsibilities	<ul style="list-style-type: none"> - Research products, technologies and services - Development of projects for national RDI programs - Development of studies and execution documentation for complex measuring equipment in Cartesian coordinates and cylindrical positioning systems - Development of documentation for laser measuring systems - Fundamental and applied research activities on modernization and renewal of dimensional measurement and control equipment: digital equipment, computer aided equipment, measuring machines, assembly robots, etc....

Name and address of employer	National Institute of Research and Development for Mechatronics and Measurement Technique – INCDMTM Bucharest, 6-8 PANTELIMON STREET, SECTOR 2, CODE 021631,ROMANIA
Type of business or sector	RESEARCH - RTD
Dates	01.Nov. 1996-01.August 1997
Occupation or position held	Scientific researcher II
Main activities and responsibilities	<ul style="list-style-type: none"> -Market Research -Market studies - Feasibility studies -Costumer Design of devices and equipment for measurement and control -Experiments, tests -Approvals - Operation to recipient - Research projects, coordination and product / equipment for automatic dimensional measurement and control for fitting flexible processing systems for working with companies in the industry
Name and address of employer	National Institute of Research and Development for Mechatronics and Measurement Technique – INCDMTM Bucharest, 6-8 PANTELIMON STREET, SECTOR 2, CODE 021631,ROMANIA
Type of business or sector	RESEARCH - RTD
Dates	01 June. 1990-01. Nov. 1996
Occupation or position held	Scientific researcher III
Main activities and responsibilities	<ul style="list-style-type: none"> Development proposals, coordination and product / equipment for automatic dimensional measurement and control for fitting flexible processing systems for working with companies in the industry -Designing complex technical and technological equipment for measurement and control - Designing Custom products for different beneficiaries -Experiments, tests - Technical assistance to implementation
Name and address of employer	National Institute of Research and Development for Mechatronics and Measurement Technique – INCDMTM Bucharest, 6-8 PANTELIMON STREET, SECTOR 2, CODE 021631, ROMANIA
Type of business or sector	RESEARCH - RTD
Dates	01 July 1989- 01 June 1990
Occupation or position held	engineer
Main activities and responsibilities	<ul style="list-style-type: none"> - Designing complex technical and technological equipment for measurement and control - Designing Custom products for different beneficiaries -Experiments, tests - Technical assistance to implementation
Name and address of employer	National Institute of Research and Development for Mechatronics and Measurement Technique – INCDMTM Bucharest, 6-8 PANTELIMON STREET, SECTOR 2, CODE 021631,ROMANIA

Type of business or sector	RESEARCH - RTD
Education and training	
Dates	13. Oct. 1989- 27. Apr. 1997
Title of qualification awarded	DIPLOMA of DOCTOR
Principal subjects/occupational skills covered	Doctorate in Mechanical Engineering
Name and type of organisation providing education and training	POLITECHNIC UNIVERSITY OF BUCHAREST
Level in national or international classification	Doctorate
Dates	27 March 2007- 16. January 2008
Title of qualification awarded	Graduation CERTIFICATE
Principal subjects/occupational skills covered	ENGLISH LANGUAGE
Name and type of organisation providing education and training	FORMENERG
Level in national or international classification	Post graduate
Dates	08. Sept. 2008- 14. Sept. 2008
Title of qualification awarded	Graduation CERTIFICATE
Principal subjects/occupational skills covered	PROJECT MANAGER
Name and type of organisation providing education and training	S.C. INTRATEST S.R.L.
Level in national or international classification	Post graduate
Dates	03. Feb. 2006-14. Apr. 2006
Title of qualification awarded	Graduation CERTIFICATE
Principal subjects/occupational skills covered	ENGLISH LANGUAGE

Name and type of organisation providing education and training	STUDY LONDON										
Level in national or international classification	Post graduate										
Dates	1 Oct. 1983- 15. June 1989										
Title of qualification awarded	Diplomate engineer										
Principal subjects/occupational skills covered	Univ. / mechanical engineering										
Name and type of organisation providing education and training	POLITECHNIC UNIVERSITY OF BUCHAREST										
Level in national or international classification	university										
Personal skills and competences											
Mother tongue(s)	Romanian										
Other language(s)											
Self-assessment	Understanding				Speaking				Writing		
<i>European level (*)</i>	Listening		Reading		Spoken interaction		Spoken production				
English	B 2	Proficient user	B 1	Proficient user	B 1	Proficient user	B 1	Proficient user	B 2	Proficient user	
Russian	B 1	Proficient user	B 1	Proficient user	B 1	Proficient user	B 1	Proficient user	B 1	Proficient user	
	<i>(*) Common European Framework of Reference for Languages</i>										
Social skills and competences	Membership of Professional Societies: - PRESIDENT of The Association of National and European Projects Evaluators (ASEVAL) - <u>International Society of Automation-ISA</u> - Romanian Society of Mechatronics – SROMECA; - General Association of Romanian Engineers – AGIR; - The Association of Fine Mechanics and Optics from Romania- AMFOR;										
Organisational skills and competences	-Participation in 250 national and international projects; - Manager in 150 national projects -For their results the team got first place in the National Research CALIST 2004 - <i>Diploma attached</i>										

Technical skills and competences	1- Awards -- Gold Medal – The International Exhibition of Inventions, New technique and products of Geneva, 2015 - Gold Medal – The International Exhibition of Inventions, New technique and products of Geneva, 2014 - Inventors association diploma GENEVA 2014 - Gold Medal – The International Exhibition of Inventions Bruxelles – 17 Nov. 2012 - Gold Medal – The International Exhibition of Inventions INVENTICA 2011 Bucharest - Romania - Gold Medal – The International Exhibition of Inventions 28-31 October 2009 Bucharest - Romania -Gold Medal – The International Exhibition of Inventions, New technique and products of Geneva, 04. 2009 -Gold Medal – The International Exhibition of Inventions, New technique and products of Geneva, 2006 -Excellence in Research – INCDMF 2005. -Excellence in innovation (Engineering), Romanian Government, 1999; -Excellence in Research and Education (Engineering), Romanian Government, 2004; -Bronze Medal International Fairs and Exhibitions in Europe / Brussels EUREKA World Invention, 2004, (Author, Invention, Active Control Equipment with Laser for thin wire,) - Gold Medal – The International Exhibition of Inventions, New technique and products of Geneva, 2002 (Dividing head,) 2-Inventions: 11 3-Papers in refereed journals: 76; 4-Comunications to scientific meeting; 5- Scientific projects development: 250;
Computer skills and competences	-Microsoft Office (Word, Excel, Power Point) - Solid Works - Corel Draw, Adobe Illustrator, Photoshop
Artistic skills and competences	Design, Architecture
- Other skills and competences	- Associate professor in Polytechnic University of Bucharest, special tools and devices,
Driving licence	B category
Additional information	Include here any other information that may be relevant, for example contact persons, references, etc. (Remove heading if not relevant, see instructions)
Annexes	List any items attached. (Remove heading if not relevant, see instructions)

Publications (list selected publications on page 2 of curriculum vitae)

Patents:

1. Mechatronic equipment for nanotechnology products and equipment calibrated. Patent no RO 1299/12.2010;
2. Robot to power atomic force microscop. Patent no RO A-1298//12.2010;
3. Mechatronic system supply rotary nanoproducts. Patent no RO A-1297/12.2010
4. Head divider - Patent no RO. 93.377/1987;
5. Laser equipment for thin-wire active control. Patent no RO-121614/ 08.08.2007;
6. Mechatronics equipment for perpendicularity verification. Patent no RO - A/00940/27.11.2008;

7. Axial distances probing system - Patent no RO. 103.008/1989
8. Braking system for coordinate measuring machines and robots control .- Patent no RO.91.807/1986
9. Installation for linear transducers calibrated. Patent no RO.117.985/30.03.2004
10. Calculation method of the geometrical parameters of the cone and cylinder comb gauge processing - Patent no RO EN 118/1983
11. Cutting machine for length balance arch- Patent no: RO: EN 1365/1987

Scientific projects: 250

Projects Summary

- 1 - Development of new measurement technologies with laser by realizing noncontact systems
- 2 - Theoretic and experimental researches on realizing a system with laser for certification the terminal sizes
- 3 Theoretic and experimental researches on realizing a calibration equipment for linear transducers by laser interferometer
- 4 Researches on fundamentals of certain new measurement non-contact principles using optic palpation, palpation with laser and ultrasonic transducers
- 5 Researches on using the interferometry in high precision measurements.

- Number of papers in refereed journals: 72

- Number of communications to scientific meetings: 45

Publications summary:

1- Influence of constructive-functional elements of the laser head systems Accuracy- 6th International Working Conference – “TOTAL QUALITY MANAGEMENT- ADVANCED AND INTELIGENT APPROACHES”, June 7th-11th, Belgrade, Serbia and Rev.: 8843 TOTAL QUALITY MANAGEMENT & BUSINES EXCELLENCE ISSN-1478-3363

2 - Mechatronic System for Scavenge the Laser Ray / Romanian Review Precision Mechanics, Optics & Mechatronics 2007 Nov.

3- THREE-DIMENSIONAL MEASUREMENT WITH LASER/ ROMANIAN REVIEW PRECISION MECHANICS, OPTICS & MECATRONICS NO.33/2008 ISSN 1584-5982acreditată CNCSIS categoria B;

4- MECATRONIC SYSTEM FOR SCAVENGE THE LASER RAY- ROMANIAN REVIEW PRECISION MECHANICS, OPTICS & MECATRONICS 2007NOV.

5- Evaluation of measurement error due to source components as measured with scanning laser Romanian Review Precision Mechanics no: 7/ 1995)

6- Published in the book-Applied Modern Control Chapter: Flexible Control in Nanometrology- IntechOpen-London; United Kindon-2018 (citations USA, China, Portugal, India, Iran...);

7-A deep Look at Metal Additive Manufacturing Recycling and Use Tools for Sustainability Performance-(SUSTAINABILITY Performance- ISSN 2071-1050, IF: 2.576) -2019

Date: 2020

