



Europass
Curriculum Vitae

Personal information



First name(s) / Surname(s) **Mihaiela ILIESCU**

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Nationality Romanian

Date of birth 05.10.1965

Gender Female

Work experience

Dates October 1989 – September 1991

Occupation or position held Design Engineer at FEPER SA, Bucharest, ROMANIA

Main activities and responsibilities Design and develop manufacturing technologies for metallic parts.

Name and address of employer SC FEPER SA - Peripheral Equipment Company
Address: Dimitrie Pompeiu no 8 Street, Buchrest, Romania, <http://www.feper.ro/>

Type of business or sector Peripheral Equipments Factory, Production Center
Real work experience involves:
- two years (1989 - 1991) of designing manufacturing technologies – classical and CNC machining, cold pressing

Dates October 1991 – September 2013

Occupation or position held University professor

Main activities and responsibilities Teaching (engineering sciences, applied statistics, quality assurance),
Research (coordinator and team member in research projects – national / international)
Training students (coordinating their work for Diploma and Master Licences),
Internal Auditor of POLITEHNICA University Bucharest,
Evaluator in ARACIS (Romanian Agency for Quality Assurance in Higher Education),
Independent Expert Evaluator for POSDRU projects – collaboration with Ove ARUP & Partners International Limited London, Bucharest Office

Position in University
October 1991 – September 1993 – Associated Assistant;
October 1993 – September 1997 – Assistant;
October 1997 – September 2004 – Lecturer
October 2004 – September 2013 - Associated Professor

Name and address of employer POLITEHNICA University of Bucharest,
Splaiul Independentei no. 313 street
<http://www.pub.ro/>

Type of business or sector	<p>Education & Research</p> <p>Real work experience involves: - since October 1991 till September 2013 – professor in POLITEHNICA University of Bucharest (Associated Assistant / Assistant / Lecturer / Associated Professor) – in TCM Department (Manufacturing Technologies Department), as mentioned next.</p> <p>Teaching courses and research activities in various, but complementary fields:</p> <p>F1. Manufacturing Technologies</p> <ul style="list-style-type: none"> - Course 1: Complex Industrial Processes (Master level, 2011 – 2013) - Course 2: Manufacturing Technologies for Mechanical Components of Industrial Robots (2012 - 2013) - Course 3: Customized Products Manufacturing – Rapid Prototyping & Rapid Manufacturing (2008 – 2013) - Course 4: Cold Pressing Manufacturing Technologies (2000 – 2007) <p>F2.- Applied Statistics</p> <ul style="list-style-type: none"> - Course 1: Applied Statistics in Engineering (2006 – 2010) - Course 2: Probability Theory and Applied Statistics (2011 – 2013) <p>F3. Quality Assurance</p> <ul style="list-style-type: none"> - Course 1: Quality Assurance (2013) - Course 2: Quality Assurance and Product Certification (2013) <p>Team leader of project :</p> <ul style="list-style-type: none"> • „Innovative Technology of Obtaining and Superficial Machining of Thin Metallic Layer by Structural Changes in Inductive Filed” / Tehnologie inovativă de obținere și prelucrare superficială a straturilor subțiri metalice prin modificări structurale în câmp inductiv”, PMCIF, contract no. – 72-167/2008, 2008 – 2011 - team leader, national grant – „Partnership” call (program Parteneriate) - project funding – for the partner (C.C.E.E.M. -UPB): 132.004 RON <p>Dissemination of project results</p> <ul style="list-style-type: none"> - S. VELICU, P. CORABIERU, M. ILIESCU, D. ZAIT, A. CORABIERU, D.D. VASILESCU, “Research Regarding the Superficial Hardening by Phase Zone Modifications”, 2nd International Conference on Sensors and Signals, pag. 58-63, ISSN 1790-5117, Baltimore, USA, November 7-9, 2009 <p>Team member in projects (more than 15), as example, mentioned next:</p> <ul style="list-style-type: none"> - eTalents „Digital Contents for eSkills in Tourism”, 2006 – 2008 - „Preparation of an Electronic Distance Learning Guidebook and the Ensuring Short-Cycle Pilot Training Packages Based on Real Market demands”; code HURO / 0801 / 067, 2007-2013 - “Reserach on optimization of machinig parameters of metallized layers, code. 27-94-13, 1994-1995 - “Fundamental Research on Characterization and Technological Fabrication by Expert Systems of polymeric composites bio-degradable products reinforced by wood elements” no. 3-88/10.11.2003, 2003-2005 - “Techniques and Technologies of High Performance Photo-Selective Foils for Morphological Monitoring of Agricultural Products”, no. 4-148/12.11.2004, 2004-2006 - „Advaced Technologies for Laser Micro-Machining”, no. 229/2008, 2008 – 2010
Dates	November 2013 – February 2015
Occupation or position held	Scientific secretary at OPTOELECTRONICA-2001 SA, Măgurele, ROMANIA (SME whose main activity is on research and innovation)
Main activities and responsibilities	<p>Ensure the scientific visibility of the company</p> <p>Disseminate scientific research activities and results</p> <p>Coordinate research projects activities – national and international level</p> <p>Find partners for research projects consortia,</p> <p>Write project proposals, together with partners and submit for evaluation</p> <p>Expert Evaluator for projects in „Technical Sciences” – Bulgarian Scientific Research Fund, http://ecotop.bg/en/ (2014)</p>
Name and address of employer	SC OPTOELECTRONICA-2001 SA - Address: Atomistilor no 409 Street, Magurele, Romania, http://www.optoel.ro/

Type of business or sector	<p>Research in SME</p> <p>Real work experience involves:</p> <ul style="list-style-type: none"> - find partners and setup project consortium – for international research projects, like EEA Grants, CHIST-ERA, Horizon 2020; - coordinate scientific activities on publishing papers, presentation in Conferences, applying for patents etc - scientific research in the fields of conventional manufacturing technologies, laser micro-machining, rapid prototyping, etc
Type of business or sector (continued from previous page)	<ul style="list-style-type: none"> - scientific research in the fields of mechanical and mechatronic systems, etc <p>Team leader of project – Norway Grants:</p> <ul style="list-style-type: none"> • „Perovskites for Photovoltaic Efficient Conversion Technology, EEA-JRP-RO-NO-2013-1-0116”, contract no. 8 SEE/30.06.2014; 2014 – 2017 - team leader, international grant, EEA - project funding – for the partner (OPTOELECTRONICA-2001 SA): 187650,00 euros, out of which 147.000 euros program budget and 40650 euros private funding - total project funding: 1539099 euros <p>Dissemination of project results</p> <ul style="list-style-type: none"> - Mihaiela ILIESCU, Luige VLADAREANU, Ioana PINTILIE, Marian LAZAR, Daniel MITROI, Mihai RADULESCU, “Multiple-Axes Mechatronic Systems for Printing Ultrathin Layers of Perovskite Solar Cells”, SISOM, 2016 and the Session of Commission of Acoustics, Robotics Session, May 12-13, Bucharest, ROMANIA; - Mihaiela ILIESCU, „Multi-Axes Mechatronic System for Printing Ultrathin Layers of Perovskite Solar Cells - Prototype design and manufacture”, 10th International Conference on Software, Knowledge, Information Management & Applications, SKIMA 2016, December 15-17, 2016, Chengdu, China; - Besleaga, Cristina; Abramiuc, Laura; Stancu, Viorica; Tomulescu, Andrei; Sima, Marian; Trinca, Liliana; Plugaru, Neculai; Pintilie, Lucian; Nemnes, George; Iliescu, Mihaiela; Svavarsson, Halldor; Manolescu, Andrei and Pintilie, Ioana, „Iodine Migration and Degradation of Perovskite Solar Cells Enhanced by Metallic Electrodes”, The Journal of Physical Chemistry Letters, DOI: 10.1021/acs.jpcclett.6b02375, november, 2016 <p>Registration of Patent Demand at OSIM A/00195 / 31.03. 2017 Printer pentru depunerea succesiva de straturi ultra-subțiri cu proprietăți fizico-chimice diferite / Printer for Successive Deposition of Ultra-thin layers with Different Physico-chemical Properties Authors: Iliescu M., Lazăr M., Pintilie I, Vlădăreanu L., Necșoiu T., Stancu V., Tomulescu A. G., Beșleagă Stan C., Sima M., Leonat L., Stanciu E. M., Comănescu B., Enuica A. V.</p> <ul style="list-style-type: none"> - Author of several papers submitted to international scientific conferences and international Journals; - Training SME's research team for applying to Horizon 2020 program calls; - Organizing workshops – on scientific and / or market promotion of company's products - Attending international scientific conferences
Dates	March 2015 – Present
Occupation or position held	Research Scientist II, at the Institute of Solid Mechanics, Romanian Academy, Bucharest, ROMANIA Robotics and Mechatronics Department
Main activities and responsibilities	<p>Scientific research in the field of Mechanical Engineering – mechatronic systems and robotics</p> <p>Disseminate scientific research activities and results – by papers in conferences, journals, etc</p> <p>Coordinate and perform research projects activities – national and international level, EEA Grants, POC (Competitiveness Operational Program, EU funds), H2020 program</p> <p>Attended Courses and Certification obtained</p> <ul style="list-style-type: none"> - Entrepreneurship Competencies (February, 2015) - Adults training (April, 2015/2016) - Project Manager.(June, 2015) - Expert in Applying for Funding (July, 2015), - „Introduction to the history and philosophy of science and technique / Inițiere în istoria și filozofia științei și tehnicii” - organizat de CRIFST, Academia Română, mai, 2016

Name and address of employer	Romanian Academy, Institute of Solid Mechanics, http://www.imsar.ro/ Address: Constantin Mille 15, Street, Bucharest, Romania
Type of business or sector	Scientific research Real work experience involves: - scientific research in the fields of mechatronic systems and robotics, - research in the field of renewable energy, micro / nano technologies • Research team leader of project, POC (Competitiveness Operational Programme / Program Operatiional Competitivitate) „Sustainable, ecological light frame metallic construction bt efficient manufacturing technologies”, TOP MetEco AMBIENT, POC project, contract no.. 107/09.09.2016, ID P_39_383, 2016-2018, EU funds; - leader of the research team and scientific-technical manager, EU grant, - project funding – for the research team: 937800 lei, program budget - total project funding: 7434475,31 lei, out of which from program budget is the sum 6369545.42 lei. Dissemination of project results - L. Vladareanu, M. Iliescu, V. Vladareanu, A. Gal, O. Melinte, F.Smarandache, M/ Purcarea, A. Margean „Improvement of the Material’s Mechanical Characteristics using Intelligent Real Time Control Interfaces in HFC Hardening Process”, 7th International Conference on Communication, Management and Information Technology, ICCMIT 2017, Apr 3-5, 2017, Warsaw, Poland - setup project consortium, write and submit in cooperation with project team members, project proposals for international research projects: ERA-NET, Horizon 2020 and EU funding program, POC (Competitiveness Operational Program), national programs: PN III (PED) - disseminate research results by papers in conferences and journals, patents, workshops, etc
Education and training	
Dates	1989 - 1994
Title of qualification awarded	Mechanical Engineer
Principal subjects/occupational skills covered	Design technologies, mechanic and mechatronic systems / Machining / Manufacturing / Quality Assurance / Management
Name and type of organisation providing education and training	POLITEHNIC Institute of Bucharest
Level in national or international classification	5 years (Licence and Master degrees included) (general graduation mark: 9.90 with Diploma examination mark: 10.00)
Dates	March, 2000
Title of qualification awarded	Ph Doctoral Degree
Principal subjects/occupational skills covered	Engineering sciences
Name and type of organisation providing education and training	“POLITEHNICA” University of Bucharest
Level in national or international classification	PhD
Training	
Dates	2006 , 2007 and 2009
Title of qualification awarded	„Statistics For Engineers” (2006) and „Introduction To Design Of Experiments” (2007) – attended and graduated courses, A degree Contact in Abaqus Standard; Obtaining a Converged Solution with Abaqus (2009)
Principal subjects/occupational skills covered	Applied Statistics (methods and procedures) Abaqus software

Name and type of organisation providing education and training	statistics.com The Institute for Statistics Education (http://www.statistics.com) by Dr. Thomas P. Ryan, Guest Research la U.S. National Institute and Technology, Dr. Jim Rutledge, President of Data Vision Dassault Systems, SIMULIA ABAQUS Europe BV
Dates	2013 and 2015
Title of qualification awarded	Certificate of „PROJECT MANAGER”, code COR 242101 (2015) Certificate of „EXPERT IN APPLYING FOR FUNDS”, code COR 242213 (2015) Certificate in ADULTS TRAINING, cod COR 242401 (2015) Certificate of ENTREPRENEURSHIP COMPETENCIES (2015) Certificate of continuous post-university training – Quality, Innovation, Communication within the system of continuous training of professors in universities (2013)
Principal subjects/occupational skills covered	Training adults Antrepreneurship Project managing Projects / Grants Funding PQSDRU Training – in teaching technical sciences to students
Name and type of organisation providing education and training	Indice Consulting and Management, http://www.indice.ro/ Training Romania, http://training-romania.com/ both, under coordination of: Ministry of Labour, Family, Social Protection and Aging Ministry of National Education
Level in national or international classification	Training
Dates	2007- 2016
Title of qualification awarded (to research team, whom I belong)	Gold Medal – at GENEVA INVENTIONS – 45 International Exhibition of Inventions, Geneva, mars, 2017 “Method and Device for Hybrid Position Speed Control Applied to Intelligent Platform Control Innovation Award to “Metodă și Dispozitiv de Control hibrid viteză – poziție, cu aplicații la platforme inteligente de control”, awarded by National Council of Rectors, PRO INVENT, March, 2017 Médaille d’Or – at GENEVA INVENTIONS – 44 International Exhibition of Inventions, Geneva, avirl, 2016, “Système pour le développement dans un milieu virtuel des interfaces intelligentes” Registred Patent Licence, Photosensitive Multilayer Polymeric Foil – no. 122665 / 30.11.2009 Registred Patent Licence, Device for Measuring Manufacturing Forces – no. 121790 / 30.04.2008 Gold Medal – at INVENTIKA – International Fair of Inventions and new technologies, Bucharest, 2008 Best Innovation Award - at Brussels INNOVA Fair, 2007, Silver Medal – at the Belgian and International Trade Fair for Technological Innovation – Brussels, 2007
Principal subjects/occupational skills covered	Mechanical Engineering; Industrial Engineering
Name and type of organisation providing education and training	International Committees
Level in national or international classification	training
Membership in Associations and Research organisations	- Rapid Manufacturing Association, RAPIMAN (din 2008) - Entrepreneurs Association of Manufacturers in Plastics Industry Romania, ASPAPLAST (2009 - 2012) - Robotics Society in Romania, ARR (since 2015) - Romanian Association of Mechanisms and Machine-tools Science, ARoTMM (since 2015) - Manufacturing Engineering University Association, AUIF (2009-2015) - Romanian Association of Economic Engineering, ARIE (2009-2011) - World Scientific and Engineering Academy and Society (2008-2015)
Personal skills and competences	
Mother tongue(s)	Romanian

Other language(s)	English, French							
Self-assessment	Understanding				Speaking			Writing
<i>European level (*)</i>	Listening		Reading		Spoken interaction		Spoken pronunciation	
English		C1		C1		C1		C1
French		B2		B2		B1		B2
Social skills and competences	Excellent ability of working with people – developed by long didactic activity, Excellent communication abilities with very different people – due to the high number of International Conferences and Projects attended, High competency in research and teaching / training.							
Organisational skills and competences	Excellent - manage, coordinate, supervise work of, both, teams and individuals							
Technical skills and competences	Engineering – more specifically: design and research in mechanic and mechatronic systems, manufacturing, applied statistics in engineering, quality assurance, project management							
Computer skills and competences	Good skills operating the computer - Microsoft Office™ (Word™, Excel™, Outlook Express™ and PowerPoint™), 3D CAD Design Software SolidWorks, internet, e-mail etc.							
Artistic skills and competences	Love dance and music							
Other skills and competences	Very good in managing / coordinating / design activities; Sports practicing - Fitness and Wellness, Skating – ice and rollers, Swimming; Love and protect abandoned animals .							
Driving licence	since February, 1985 for B category							