

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) Liviu Daniel GHICULESCU
Address(es) 4 Bul. Ramnicu Sarat, sector 3, Zip Code 031901, Bucharest, Romania
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Fax(es)
E-mail daniel.ghiculescu@upb.ro liviodanielghiculescu@yahoo.com,
Nationality Romanian
Date of birth April 18 1961
Gender male

Work experience

Dates 1986-1988
Occupation or position held Engineer
Main activities and responsibilities Technology, machining parts of injection pumps
Name and address of employer 41-43 Bul. Republicii, Sinaia, Prahova County, Romania
Type of business or sector Machine-Building Industry
Dates 1988-1999
Occupation or position held Researcher, Project Manager
Main activities and responsibilities Researches in Nonconventional Technologies, Electrodischarge Machining, Electrochemical Machining, Ultrasonics Machining, Laser Beam Machining
Name and address of employer S.C. ICTCM S.A. - Mechanical Engineering and Research Institute, 103 Oltenitei Street, 041303 Bucharest, ROMANIA
Type of business or sector Research-Development-Innovation
Dates 1999-2004
Occupation or position held Lecturer, PhD.
Main activities and responsibilities Courses, seminars, labs and researches in Machining and Control Technologies, Quality Management
Name and address of employer University "Politehnica" of Bucharest, 313 Splaiul Independentei, sector 6, Bucharest, Romania
Type of business or sector Higher Education
Dates 2004-2014
Occupation or position held Assoc. Professor, PhD.
Dates 2014-present
Occupation or position held Full Professor
Main activities and responsibilities Courses, seminars, labs and researches in Nonconventional Technologies, Computer Aided Engineering and Machining, Quality Management, Strategic Management, Industrial Management, Innovation, Technological Transfer, member of Machine-Building Technology Department Board
Name and address of employer University "Politehnica" of Bucharest, 313 Splaiul Independentei, sector 6, Bucharest, Romania
Type of business or sector Higher Education and Research
Dates 2016-present
Occupation or position held PhD supervisor
Name and address of employer University "Politehnica" of Bucharest, 313 Splaiul Independentei, sector 6, Bucharest, Romania

Dates 2007-2011
Occupation or position held Scientific Manager
Main activities and responsibilities Scientific management of research projects in Romanian INNOVATION Research Program, Member of Scientific Council
Name and address of employer Agency of Scientific Research Management, Innovation and Technological Transfer - AMCSIT-Politehnica, 313 Splaiul Independentei, sector 6, Bucharest, Romania
Type of business or sector Research-Development-Innovation Management

Education and training

Dates 1981-1986
Title of qualification awarded Engineer
Principal subjects/occupational skills covered Conventional and Nonconventional Machining Technologies, Machining Equipment, Industrial Management, Material Resistance, Mechanisms, Fluids Mechanics etc.
Name and type of organisation providing education and training Faculty of Machine-Building Technology, University "Politehnica" of Bucharest
Dates 1994-1999
Title of qualification awarded PhD., Industrial Engineering
Principal subjects/occupational skills covered Electrodischarge Machining, Electrochemical machining, Ultrasonics, Finite Element Analysis, Surface Quality Analysis
Name and type of organisation providing education and training Faculty of Machine-Building Technology, University "Politehnica" of Bucharest
Dates June-August 2007
Principal subjects/occupational skills covered SMEs Management Stage
Name and type of organisation providing education and training Technical Education Institute Kozani, SMEs from Kozani, Greece
Dates May 2010
Principal subjects/occupational skills covered Training stage Intellectual Property Rights
Name and type of organisation providing education and training AWS AustriaWirtschaftservice GmbH, Viena, Austria
Dates June 2010
Principal subjects/occupational skills covered Training stage – Innovation Support and Technological Transfer
Name and type of organisation providing education and training AWS AustriaWirtschaftservice GmbH, FFG Die Österreichische Forschungsförderungsgesellschaft GmbH, Viena, Austria

Personal skills and competences

Mother tongue(s) Romanian
Other language(s) English, French

Self-assessment
European level (*)

English

French

Understanding		Speaking		Writing					
Listening		Reading		Spoken interaction		Spoken production			
C2	No difficulty in understanding any kind of spoken language	C2	I can read with ease virtually all forms of the written language	C2	I can take part effortlessly in any conversation or discussion	C2	I can present a clear, smoothly-flowing description or argument	C2	I can write clear, smoothly-flowing text in an appropriate style
C1	I can understand extended speech	C2	I can read with ease virtually all forms of the written language	C1	I can express myself fluently, spontaneously without much obvious searching for expressions	B2	I can present clear, detailed descriptions on a wide range of subjects	B2	I can write clear, detailed text on a wide range of subjects

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences	Communication, understanding the individual needs
Organisational skills and competences	Strategic management, forecast, quality improvement, innovation, technological transfer
Technical skills and competences	Conventional and nonconventional machining technologies, machining equipment
Computer skills and competences	CAE/CAM, Office 2010, Adobe Photoshop.
Artistic skills and competences	Classic and contemporary music, piano studies
Other skills and competences	Former tennis player and actual referee and instructor – Romanian Tennis Federation
Driving license	Category B
Additional information	Ask for references to any Board Member of Faculty of Engineering and Management of Technological Systems, University “Politehnica” of Bucharest, Romania

Scientific Activity:

- Articles published in ISI ranked proceedings and reviews: 20;
- Books, Monographs, Manuals published by central and recognized publishers: 19;
- Scientific papers communicated and published at national and international level: 180.

Selected Books

1. Ghiculescu, D. *Nonconventional Machining*, ISBN 973-652-975-4, Printech, Bucharest, 2004.
 2. Obaciu Gh., Fritz K., Marinescu N.I., Ivan M., Ghiculescu, D., *Electrochemical Machining of Metallic Materials*, TRANSILVANIA University of Braşov, ISBN 978-973-598-499-1, Braşov, 2009.
 3. Marinescu N.I. (coordonator), Ghiculescu D., et al., *Technologies with concentrates energies for micro and nano-layers*, ISBN 978-606-521-104-1, Printech, Bucharest, 2008.
 4. Ghiculescu D., Marinescu N.I., *Managerial Instruments for the Implementation of Micro and Nanotechnologies*, ISBN 978-606-521-105-6, Printech, Bucharest, 2008.
 5. Marinescu N.I. (coordinator) Ghiculescu D., et al., *Nonconventional Technologies Treatise, Vol.4 – Electrochemical Machining*. Printech, ISBN (10) 973-718-613-3; ISBN(13)978-973-718-613-3, Bucharest, 2006.
 6. Marinescu N.I., Ghiculescu D., *Technologies of Electrochemical Machining and Related Processes – Treatise*. Printech, ISBN 973-718-380-0, Bucharest, 2005
 7. Marinescu, R.D, Marinescu, N.I, Purcărea, A, Dănălache, F, Ghiculescu, D. *Management in micro and nanotechnologies*, ISBN 973-718-346-0, Printech, Bucharest, 2005.
 8. Ghiculescu, D., *Strategic management*, ISBN 978-973-718-800-7, Printech, Bucharest, 2007.
 9. Ghiculescu, D. *Production Quality*, ISBN 973-652-841-3, Printech, Bucharest, 2003, 2004.
 10. Ghiculescu, D., *Computer aided Engineering and Manufacturing in the Field of Nonconventional Machining*, ISBN 978-606-521-971-7, Printech, Bucharest, 2013.
 11. Ghiculescu, D., *Ultrasonically Aided Electrical Discharge Machining*, Chapter in *Electrical Discharge Machining (EDM), Types, Technologies and Applications*, Editor, Jahan, M.P., ISBN 978-1-63438-591-6, Nova Publishers, New York, USA, 2015.
- Ghiculescu, D., Vulturescu, V., *Strategic Management for Innovative Organizations*, Printech, ISBN 973-652-975-4, Bucureşti, 2015.
- Ghiculescu, D., *Processes and Products Quality*, Printech, ISBN 978-606-23-0678-6, Bucureşti, 2016.

Granted patents:

1. Enescu, I.D., Lambescu, S., Ghiculescu, D., Dimitriu, N. *Manufacturing method of graphite for electrical discharge machining*, RO-116.385. (18.12.2000)
2. Ghiculescu D., Calin, M., Dimitriu, N., Abdula, R., *Dielectric liquid for electrical discharge machining*, RO-113.955. (30.11.1998)
3. Ghiculescu D., Marinescu N.I., Nanu, S., *Device for ultrasonic aiding of wire electrical discharge machining*. RO-123017. (30.07.2010)
4. Marinescu N.I., Ghiculescu D., Nanu, S., *Mobile device for electrochemical deburring of workpieces*. RO-123016. (30.07.2010)
5. Ghiculescu, D., Marinescu N.I., Nanu, S., *Equipment for ultrasonic aiding of electrical discharge machining of microslots*, RO-126191. (30.05.2012)
6. Ghiculescu, D., Marinescu N.I., Nanu S., *Equipment for deep microslots machining through electrical discharge machining aided by ultrasonics*, RO-125516 (29.11.2013).
7. Marinescu N.I., Ghiculescu, D., Nanu S., *Equipment for microholes finishing by electrical discharge machining aided by ultrasonics*. RO-1269381 (30.07.2015).

See also Annex – Selected prizes, and distinctions

Annex Selected prizes, and distinctions:

- 2017 GOLD Medal at the 45th International Exhibition of Inventions of Geneva - Switzerland
Outstanding Invention Award, Hong Kong Polytechnic University
FIRI Award for the best invention, The 1st Institute of Inventors and Researchers in I.R. IRAN
- 2016 2 GOLD Medals with Jury Congratulations at the 44th International Exhibition of Inventions of Geneva - Switzerland
2 GOLD Medals at The 65th Belgian and International Trade Fair for Technological Innovation, EUREKA
- 2015 Diploma of Education and Science Ministry from Russian Federation, Outstanding Innovation Award, Institute for Entrepreneurship, Hong Kong Polytechnic University, Diploma of Inventors Federation from France,
Diploma of Stephen the Great University, Suceava, Romania
GOLD Medal with Jury Congratulations at the 43th International Exhibition of Inventions of Geneva - Switzerland
- 2014 Diploma of Education and Science Ministry from Russian Federation, Outstanding Innovation Award, Institute for Entrepreneurship, Hong Kong Polytechnic University, Diploma of Inventors Federation from France,
Diploma of Stephen the Great University, Suceava, Romania
GOLD Medal at The 63th Belgian and International Trade Fair for Technological Innovation, EUREKA,
- 2014 Award for the Excellent Invention from Lublin University of Technology, Poland, Special Prize: *Medal product* from Industrial Institute of Agricultural Engineering, Poznan, Poland, AGEPI Medal – State Agency for Intellectual Property Republic of Moldova
- 2014 Gold ARCA Prize at the 12th International Fair of Inventions, New Ideas, Products and Technologies – ARCA 2014, Zagreb, Croatia, 2014.
- 2013 GOLD Medal with Jury Congratulations at the 42th International Exhibition of Inventions of Geneva - Switzerland
AGEPI Medal – State Agency for Intellectual Property Republic of Moldova,
Outstanding Innovation Award, Institute for Entrepreneurship, Hong Kong Polytechnic University
- 2012 GOLD Medal at the 41th International Exhibition of Inventions of Geneva - Switzerland
Special Award, Islamic Azad University Central Tehran Branch
- 2012 Outstanding Invention Award, Hong Kong Polytechnic University
GOLD Medal with Jury congratulations at The 40th International Exhibition of Inventions of Geneva - SWITZERLAND
«Best Invention Award» Hong Kong Science & Technology Parks Corporation, 21 April 2012.
- 2011 GOLD Medal at The Belgian and International Trade Fair for Technological Innovation, EUREKA, BRUSSELS,
Diploma - Federal Service for Intellectual Property, Russian Federation,
Great Prize Brussels Innova 2012 of The Association of European Inventors (AEI),
GOLD Medal with Jury Congratulations at the 39th International Exhibition of Inventions of Geneva - Switzerland
GOLD Medal and Prize of Politechnical University of Hong;
GOLD Medal and Prize of IWIS, Poland at the XVth edition of a International Exhibition of Inventions, Scientific Research and New Technologies – INVENTIKA, Bucharest, Romania, 2011;
- 2010 Diploma and GOLD Medal "Henry Coandă" at the XVth International Exhibition of Inventions – INVENTICA 2011 – Iași, Romania.
- 2010 Excellency Diploma for innovation Activity, rewarded by the Ministry of Education, Research, Youth and Sports – National Authority for Scientific Research-NASR;
Excellency Diploma for Representing Romania Successfully at the 38th International Exhibition of Inventions from Geneva, Switzerland 2010, from 21st to 25th of April 2010, rewarded by the Ministry of Education, Research, Youth and Sports – NASR;
- 2010 GOLD Medal with Jury Congratulations at the 38th International Exhibition of Inventions of Geneva - Switzerland
GOLD Medal and Prize of the Association for Science and Technology "TECHNOPOL MOSCOW– Russian Federation" and Prize OSIM-ROMANIA at 38th International Exhibition of Inventions from Geneva, Switzerland,
- 2010 Diploma and GOLD Medal at the IVth International Warsaw Invention Show, Warsaw, Poland, 2010; GOLD Medal and Prize Iranian Innovations elites Institute – Iran, at the Xth International Exhibition of Innovations and Investments from Moscow, Russian Federation; Silver Medal at the 3rd International Invention Fair of the Middle East, Kuwait, 2010; GOLD Medal at the 8th International Fair of Inventions, New Ideas, Products and Technologies – ARCA 2010, Zagreb, Croatia, 2010.
- 2010 GOLD Medal, Special Prize of International Personnel Academy, Kiev, Ukraine and Prize of Minister for Pensions and Cities, Belgium, at Belgian and International Trade for Technological Innovation, Eureka, Brussels, Belgium, 2010.
GOLD Medal with Congratulations of the Jury and Prize of IWIS-2009 – International WARSAW Inventions Show, POLAND, at Belgian and International Trade for Technological Innovation, Eureka, Brussels, Belgium, 2009;
- 2009 A second GOLD Medal and ARCA Prize of Union of Croatian Inventors, at Belgian and International Trade for Technological Innovation, Eureka, Brussels, Belgium, November 2009;
- 2009 GOLD Medal and Prize of Agency of Intellectual Property - AGEPI from Republic of Moldova, at the XIIIth Edition of International Exhibition of Inventions, Scientific Research and New Technologies –INVENTIKA, Bucharest, Romania, October 2009 ;
- 2009 A second GOLD Medal at the XIIIth Edition of International Exhibition of Inventions, Scientific Research and New Technologies – INVENTIKA, Bucharest, Romania, October 2009
- 2009 GOLD Medal at the 7th International Exhibition of Inventions, New Ideas, Products and Technologies – ARCA 2009, Zagreb, Croatia, September 2009;
- 2009 GOLD Medal with Congratulations of the Jury and Prize of Ministry of Industry and Commerce from Russian Federation, at 37th International Exhibition of Inventions from Geneva, Switzerland, April 2009;
- 2009 Excellency Diploma – Romanian Association for Nonconventional Technologies, University POLITEHNICA from Timișoara, University from Oradea;
- 2008 European Innovation Awards, the degree of Knight, Brussels, Belgium, November 2008;
- 2008 GOLD Medal with Congratulations of the Jury at International Exhibition of Inventions EUREKA, Brussels, Belgium, November 2008;
- 2008 A second GOLD Medal at International Exhibition of Inventions EUREKA, Brussels, Belgium, November 2008;
GOLD Medal at the XIIth Edition of International Exhibition of Inventions, Scientific Research and New Technologies
- 2008 GOLD Medal with Congratulations of the Jury and « Prix du Premier Institut d'Inventeurs and Chercheurs de la R.I.D'IRAN », at the 36th International Exhibition of Inventions from Geneva, Switzerland, April 2008 ;
A second GOLD Medal and "Special Award - Certificate of Achievement from Taiwan Invention Association", at the 36th International Exhibition of Inventions from Geneva, Switzerland, April 2008 ;

22th May, 2017

