



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Iulian Ilie, ROMANESCU**
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E-mail iulian_romanescu@yahoo.com
Nationality Romanian
Date of birth 16.02.1954
Gender Male

Work experience

Dates	01.09.2011 – 30.09.2011 01.02.2011 – 28.02.2011
Occupation or position held	visiting researcher
Main activities and responsibilities	♦ Contract research: <ul style="list-style-type: none">• Developing the control electronics for passive damping with piezoelectric switch shunting, for application to turbo-reactor (booster) structures (contract HM+).• Developing an experimental setup of a structure of an aircraft engine for the passive damping with piezoelectric switch shunting, for application to turbo-reactor (booster) structures (contract HM+)
Name and address of employer	UNIVERSITE LIBRE DE BRUXELLES, 50, F.D. Roosevelt Av., 1050, Brussels
Type of business or sector	Faculty of Applied Sciences, Mechanical Engineering and Robotics Department, Active Structures Laboratory
Dates	16.02.2009 – present
Occupation or position held	Associate Professor, PhD
Main activities and responsibilities	♦ Didactic activities: <ul style="list-style-type: none">• Graduate course «<i>Optimization Techniques and Methods in Micromechanics</i>» – the 1st year MSc students, specialization <i>Micro Mechanical Systems</i> (01.10.2009 – present)• Undergraduate course «<i>Mechanical Vibrations</i>» – the 2nd year BSc students, domains <i>Industrial Engineering</i> and <i>Mechanical Engineering</i>, MMIM Faculty (01.10.2009 – present)• Undergraduate course «<i>Technological Equipment for Nonconventional Processing</i>» – the 4th year BSc students, specialization <i>Fine Mechanics and Nanotechnologies</i>, Faculty of Machine Manufacturing and Industrial Management (16.02.2009 – 30.09.2009)• Undergraduate course «<i>Machine-tools for Fine Mechanics, Special and Specialized</i>» – the 4th year BSc students, specialization <i>Fine Mechanics and Nanotechnologies</i>, (16.02.2009 – 30.09.2009)
Name and address of employer	«Gheorghe Asachi» Technical University Iași, 67, Dimitrie Mangeron Bd., 700050 Iași.
Type of business or sector	Department of Machine-Tools
Dates	01.09.2006 – 15.02.2009
Occupation or position held	Lecturer
Main activities and responsibilities	♦ Didactic activities: <ul style="list-style-type: none">• Undergraduate course «<i>Technological Equipment for Nonconventional Processing</i>» – the 4th year BSc students, specialization <i>Fine Mechanics and Nanotechnologies</i>, Faculty of Machine Manufacturing and Industrial Management (01.10.2008 – 15.02.2009)• Undergraduate course «<i>Machine-tools for Fine Mechanics, Special and Specialized</i>» – the 4th year BSc students, specialization <i>Fine Mechanics and Nanotechnologies</i> (01.10.2008 – 15.02.2009)

Main activities and responsibilities	<ul style="list-style-type: none"> • Undergraduate course «<i>Machine-tools for Nonconventional Processing</i>» – the IVth year BCs students, specialization <i>Machine-Tools and Systems of Production</i>, MMIM Faculty (01.10.2008 – 15.02.2009) (01.09.2006 – 30.09.2007) • Undergraduate course «<i>Automated Machine-Tools Design</i>» – the IVth year BCs students, specialization <i>Machine-Tools and Systems of Production</i>, MMIM Faculty (01.10.2008 – 15.02.2009) • Undergraduate course «<i>Mechanical Vibrations</i>» – the IInd year BSc students, domains <i>Industrial Engineering and Mechanical Engineering</i>, MMIM Faculty (01.09.2006 – 30.09.2007)
Name and address of employer	«Gheorghe Asachi» Technical University Iași, 67, Dimitrie Mangeron Bd., 700050 Iași.
Type of business or sector	Department of Machine-Tools
Dates	01.09.2005 – 31.08.2006
Occupation or position held	Visiting researcher
Main activities and responsibilities	<ul style="list-style-type: none"> ♦ Research activity: <ul style="list-style-type: none"> • member of 3 research teams (2006 – 2008)
Name and address of employer	UNIVERSITE LIBRE DE BRUXELLES, 50, F.D. Roosevelt Av., 1050, Brussels
Type of business or sector	Faculty of Applied Sciences, Mechanical Engineering and Robotics Department, Active Structures Laboratory
Dates	16.02.1991 – 31.08.2005
Occupation or position held	Lecturer
Main activities and responsibilities	<ul style="list-style-type: none"> ♦ Didactic activities: <ul style="list-style-type: none"> • Undergraduate course «<i>Vibrations</i>» – the IInd year BSc students, domains <i>Industrial Engineering and Mechanical Engineering</i>, MMIM Faculty (15.09.2002 – 31.08.2005) • Undergraduate course «<i>Bases of Metal Cutting</i>» – the IIIrd year BSc students, specializations <i>Economical Engineering in Mechanics</i> (15.09.1999 – 14.09.2002) • Undergraduate course «<i>Machine-Tools Vibrations</i>» – the IIIrd year BSc students, specializations <i>Fine Mechanics and Nanotechnologies and</i> (15.09.1999 – 14.09.2002) • Undergraduate course «<i>Machine-tools and Mechanical Processing</i> » – the IIIrd year BSc students, specialization <i>Economical Engineering in Mechanics</i> (15.09.1996 – 14.09.1999) • Undergraduate course «<i>Machine-tools and Mechanical Processing</i> » – the IInd year BSc students, domain <i>Mechanical Engineering</i> (15.09.1995 – 14.09.1996). • Undergraduate course «<i>Machine-tools, Tools and Mechanical Processing</i>» – the IInd year BSc students, Technical University College no.1, Mechanical profile, specialization <i>Materials and Flow Detection</i> (15.09.1994 – 14.09.1995) • Undergraduate course «<i>Bases of Optimal Cutting</i>» – the IIIrd year BSc students, specializations <i>Technical Innovation in Machine Construction</i> (15.09.1992 – 14.09.1994) • Undergraduate course «<i>Machine-tools Operation</i>» – the IInd year BSc college students, specialization <i>Machine Manufacturing Technology</i> (16.02.1991 – 14.09.1992) ♦ Research activity: <ul style="list-style-type: none"> • member of 5 research teams (1991 – 2005)
Name and address of employer	«Gheorghe Asachi» Technical University Iași, 67, Dimitrie Mangeron Bd., 700050 Iași.
Type of business or sector	Department of Machine-Tools
Dates	15.09.1983 – 15.02.1991
Occupation or position held	Assistant Professor
Main activities and responsibilities	<ul style="list-style-type: none"> ♦ Didactic activities: <ul style="list-style-type: none"> • Undergraduate course «<i>Machine-tools Operation</i>» – the IInd year BSc Bârlad college students, specialization <i>Machine Manufacturing Technology</i> (15.09.1989 – 14.02.1991). • Undergraduate practical works «<i>Basis of metal cutting</i>» – the IIIrd year BSc students, specializations <i>Machine Manufacturing Technology and Machine-tools</i> (15.09.1983 – 14.02.1991)

Main activities and responsibilities	<ul style="list-style-type: none"> • Undergraduate practical works (laboratory and project) «<i>Cutting-tools design</i>» the IVth year BSc students, specializations <i>Machine Manufacturing Technology</i> (15.09.1983 – 14.09.1989).
	♦ Research activity: <ul style="list-style-type: none"> • member of 7 research teams
Name and address of employer	«Gheorghe Asachi» Technical University Iași, 67, Dimitrie Mangeron Bd., 700050 Iași.
Type of business or sector	Department of Machine-Tools
Dates	15.02.1983 – 30.06.1984
Occupation or position held	Associated Assistant Professor
Main activities and responsibilities	♦ Didactic activities: <ul style="list-style-type: none"> • Undergraduate practical works «<i>Basis of metal cutting and surfaces generating</i>» – the IIIrd year BSc students, specializations <i>Machine Manufacturing Technology</i> and <i>Machine-toos</i>
Name and address of employer	«Gheorghe Asachi» Technical University Iași, 67, Dimitrie Mangeron Bd., 700050 Iași.
Type of business or sector	Department of Machine-Tools
Dates	01.09.1979 – 14.09.1983
Occupation or position held	Mechanical Engineer – Technologist / Designer
Main activities and responsibilities	Industrial Engineer / Design Engineer
Name and address of employer	Integral Machines and Special Machine-tools Enterprise Iasi (IMAMUS)
Type of business or sector	<ul style="list-style-type: none"> ♦ Design Engineer in «Tools-Devices-Checkers Design Workshop» (01.1982 – 09.1983) ♦ Industrial Engineer in «Technological Design Workshop» (01.1981 – 12.1981) ♦ Industrial Engineer in the production department «Gears and channeled arbors» (09.1979 – 12.1980)

Education and training

Dates	01.07.2003 – 30.06.2005
Title of qualification awarded	Postdoctoral Grant «subside à savant»
Principal subjects/occupational skills covered	Competences in active control of vibrations and robotics
Name and type of organisation providing education and training	UNIVERSITE LIBRE DE BRUXELLES, Faculty of Applied Sciences, Mechanical Engineering and Robotics Department, Active Structures Laboratory
Level in national or international classification	
Dates	11.1990 – 20.09.2000
Title of qualification awarded	PhD diploma Serie A, no. 0004098 / No. 1429 from 11.12.2000
Principal subjects/occupational skills covered	Engineering PhD in « <i>Engineering Sciences</i> » domain, «Cutting and cutting tools» specialization
Name and type of organisation providing education and training	«Gheorghe Asachi» Technical University Iași, 67, Dimitrie Mangeron Bd., 700050 Iași
Level in national or international classification	Level 6 ISCED 1997 (International Standard Classification of Education)
Dates	15.09.1974 – 15.07.1979
Title of qualification awarded	<i>Engineer</i> diploma in Mechanical Engineering domain
Principal subjects/occupational skills covered	<i>Mechanical Engineer</i> specialized in <i>Machine Manufacturing Technology</i>
Name and type of organisation providing education and training	«Gheorghe Asachi» Technical University Iași, 67, Dimitrie Mangeron Bd., 700050 Iași
Level in national or international classification	Level 5A ISCED 1997 (International Standard Classification of Education)

Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

Self-assessment

European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B1	Independent user	B1	Independent user	A2	Basic user	B1	Independent user	A2	Basic user
B2	Independent user	B2	Independent user	A2	Basic user	B1	Independent user	A2	Basic user

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

Social skills and competences

- Team spirit;
- Ability to adapt to multicultural environments – ability obtained by three years of work experience as a researcher in the Active Structures Laboratory from *UNIVERSITE LIBRE DE BRUXELLES*

Technical skills and competences

- Metal cutting with ultrasonic vibrations.
- Fundamental research in metal cutting;
- Research in tools for great module gears manufacturing;
- Research in tools design for plane profiles milling;
- Cutting with low frequency vibrations in order to brake the chips;
- Research – design in industrial robotics;
- Research in vibrations measure and control.

Computer skills and competences

- Editor «Microsoft Office Word»;
- Computer graphics «AutoCAD», «SolidEdge», «CorelDRAW», «Matlab»

Driving licence

B Category

Additional information

Published work:

- 2 course manuals in recognized publishers;
- 2 books in national (CNCSIS recognized) publishers;
- 1 laboratory guideline in recognized publisher;
- 4 articles in recognized international journals (3 ISI);
- 29 articles in recognized national journals;
- 12 registered national patents subscribed at OSIM Bucharest.
- 23 articles in the proceedings of international scientific meetings
- 39 articles in the proceedings of national scientific meetings;
- 15 papers in workshops, seminars and exhibitions.

Annexes