PERSONAL INFORMATION

Catalin Gabriel DUMITRAS



11, Aleea Trandafirilor , Iasi, 700453, ROMANIA
+40232242109
catalin.dumitras@tuiasi.ro
www.cmmi.tuiasi.ro

Sex Male | Date of birth 15/12/1964 | Nationality Romanian

POSITION

Professor Master IMA – Intelligent Manufacturing and Automation

WORK EXPERIENCE

Technical University "Gheorghe Aasachi" of Iaşi. I start as a member of "Cutting Tools Design" stuff.

Replace with dates (from - to)

2010 Ph.D. advisor;
01.10.2009 – nowadays Professor
01.03.2004 – 01.10.2009 Assoc. Prof.;
01.10.1997 - 01.03.2004 Lecturer;
01.03.1991 - 01.10.1997 Assistant;

1990-1991- at AGMUS S.A. Iaşi, Romania – research engineer. I work at a project named "Semi -automatic machine for painting the inside part of an mold for centrifugal casting". Status of the project: prototype.

1989-1990- at the SCUDAS S.A Pascani, Romania- research engineer. I develop a project named "Device for internal or external spherical turning - ⌀ 0 … ⌀150 mm" needed by "Strungul" Arad . Status of the project: prototype.

EDUCATION AND TRAINING

1999- Ph. D. degree in *" Cutting Process and Cutting Tools Design"* The thesis name is : *Contribution in the Optimisation of the Mini-Inserts Cutting Tools*

1994 Post-graduated studies : - FORTRAN 77 courses organised by "Al. I. Cuza" University Iaşi;

1984-1989 Technical University "Gh. Asachi" Iaşi, Faculty: Mechanics, Speciality : Technology of Machine Tools, Master graduated with: 10^{00}

1979-1983 High School "M. Eminescu" Iaşi, graduated with : 9^{00}

PERSONAL SKILLS

[Remove any headings left empty.]

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1: INDEPENDENT USER	B1: INDEPENDENT USER	B1: INDEPENDENT USER	B1: INDEPENDENT USER	B1: INDEPENDENT USER

	Replace with name of language certificate. Enter level if known.				
French	B2: INDEPENDENT USER el	B2: INDEPENDENT USER r level	B2: INDEPENDENT USER r level	B2: INDEPENDENT USER	B2: INDEPENDENT USER
	Replace with name of language certificate. Enter level if known.				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Communication skills

▪ good communication skills , analysis skills and synthesis capabilities,

Organisational / managerial skills

▪ leadership (currently I am head of Machine Tools department)

Job-related skills

- experimental design and data processing ;
- optimisation of the mechanical processes;
- finite element modeling and simulation ;
- stress analysis, modal analysis, response spectrum analysis ;
- thermal analysis;
- concurrent engineering;
- new technologies.

▪

Digital competence

MICROSOFT OFFICE™. (WORD™, EXCEL™, POWERPOINT™), MATLAB V.7, AUTOCAD, SOLIDWORK, ALGOR V.21, MATHEMATICA V.6, ANSYS V.16

Driving licence

B

ADDITIONAL INFORMATION

Publications

33 articles indexed byThomson Reuters (WoS) – ISI Web of Science; 34 articles indexed by Copernicus, Scopus, Google Scholar ; 32 papers published in national journals confirmed by CNCS; 36 papers published in Proceedings of International Conferences held in Dubrovnik, Ankara, Viena, Chisinau, Londra, Cinncinati, Odessa, Izmir, Madrid, Kallithea - Halkidiki; 10 patents,; 15 books.

Projects

39 grants – 9of them as a manager/scientific supervisor

Honours and awards

Gold Medal at the International Innovation Exhibition EUREKA, Bruxelles 1999
Gold Medal at the International Innovation Exhibition GENEVA, Swiss, 2001 Gold Medal at the International Innovation Exhibition, Iasi, Romania, 2006
Gold Medal at the International Innovation Exhibition ECOINVENT, Iasi, Romania 2008
Gold Medal at the International Innovation Exhibition ARCHIMEDE, Moscow, Russia 2009
Gold Medal Salonul International al Inventiilor, Iasi, 2010
Gold Medal Salonul International al Inventiilor, Iasi, 2011

Memberships

Non-profit Association ”ALUMNI - Absolven ții Construcției de mașini”–president
IAENG (International Association of Engineers), *London,* UK

ANNEXES

Dean of Faculty of Machin Manufacturing and Industrial Management, Technical University Gheorghe Asachi of Iasi from 2016
Member of the Council of Faculty of Machine Manufacturing and Industrial Management (CMMI) starting from 2012
Member of the Technical University Gheorghe Asachi Senat 2012-2016
President of the Comittee of Ethics - Universitatea Tehnice ”Gheorghe Asachi” Iași 2012-2016
Member of the National Council of Titles, Diploma and University Cerfificate (***CNATDCU***), Engineering Science, Comittee 16 – Industrial Engineering and Management 2012-2016
President of Association ”ALUMNI - Absolvenții Construcției de Masini” ▪

20.10.2025

Europass Curriculum Vitae



Personal information

First name / Surname	**Mihăiţă HORODINCĂ**
Address	28 Străpungere Silvestru, C-L7, apt. 17, 700005, Iasi, Romania
Telephone	+40.232.242109 (office)
Fax	+40.232.242109 (office)
E-mail	horodinca@tuiasi.ro
Nationality	Romanian
Date of birth	February 16, 1964
Gender	Male

Desired employment / Occupational field

Occupational field	Engineering, Science and Technology

Work experience

Dates	October 1991 onwards
Occupation or position held	Assistant (1991-1995), Lecturer (1995-2009), Associate Professor (2009-2014), Professor (since 2014), PhD supervisor (since 2016)
Main activities and responsibilities	- Member of CNATDCU industrial engineering and management committee (since 2016) - Head of Machine-tools Department from Technical University Iasi, Romania (since 2016) - Teaching the fundamentals of machine-tool design, mechanical systems dynamics, computer aided experimental research and data processing; - Computer assisted experimental research on dynamics of the manufacturing systems; - Computer assisted experimental research on active power evolution on actuated equipments; - New strategies of active damping with piezoelectric actuated systems; - High efficiency passive damping systems (passive dynamic absorbers); - Mechatronics and mechanical prototyping.
Name and address of employer	Gheorghe Asachi Technical University of Iasi Faculty of Machine Manufacturing and Industrial Management Digital Manufacturing Systems Department 59 A, Bd. Dimitrie Mangeron, et.1, 700050, Iasi, Romania
Type of business or sector	Education and research

Dates	September 1988-September 1991
Occupation or position held	Engineer
Main activities and responsibilities	- Design and prototyping of special machine-tools; - Preliminary supervising of prototypes manufacturing.

Name and address of employer	IMAMUS (AGMUS) Iasi 32, Sos. Chisinaului, 700265, Iasi, Romania
Type of business or sector	Machine-tools Manufacturing
Dates	2000-2003 (three years), 2005-2007 (34 months), August 2008 – 2017 (summer fellowships, a month or two, each year)
Occupation or position held	Post doc researcher (2000-2003), Visiting researcher.
Main activities and responsibilities	- Head of the mechanical prototyping team; - Design, manufacturing and experimental research in: - Pipe inspection robotics (a new architecture of driving systems, four wireless prototypes); -Active vibration isolation (six degree of freedom vibration isolator based on Stewart-Gough platform in cubic architecture and collocated decentralized integral velocity-force feedback closed loop control, two prototypes, part of two collaborative projects funded by European Space Agency) ; - Passive and active damping of structures, high efficiency tune mass dampers based on viscoelastic materials (more than 30 dB efficiency in damping); - Synthesis of new electrodynamics and piezoelectric actuators; - Adaptive optics (segmented mirrors with controllable shapes based on piezoelectric actuation); - Haptic systems (exoskeleton with 7 degree of freedom for human arm, robotic application, funded by European space Agency); - Magnetic actuated (semi active) braking devices (two prototypes). Involved in some European projects founded by European Space Agency: - *Zero gravity testing of a six-axis vibration isolator and innovative sensing for a low frequency vibrations, 48 ESA Parabolic Flight* Campaign (17 March 2008), PRODEX No. 90147 (Active Structure Laboratory – ASL, Universitè Libre de Bruxelles -ULB, Belgium); - *ESA/ESTEC, EXOSTATION project: Control Stations for new Space Automation and Robotics Applications*, Contract No. 18408/04/NL/CP-ULB. - *PRODEX 90147, 38th ESA Parabolic flight campaign*, Bordeaux, 26-28 October, 2004. - *ESA-PRODEX: Parabolic Flight Test (September 2002) For Six-Axis Active Vibration Isolator, PRODEX No. 90049* (ASL, ULB), A part of the research programme: *Two Phase Loop with Condensing-Separating System for the Experiment "Evaporative Convection and Turbulence in Pure Fluids".* Involved in some European projects: - *SMARTOOL project*, Contract no. GIRD-CT-2001-00551, funded by European Commission - *Wheel-rail Corrugation in Urban Transport project*, GRD2-2001-5006 funding by European Community.
Name and address of employer	Active Structure Laboratory, Universitè Libre de Bruxelles, Belgium. Head of the Lab: Professor Andrè Preumont (retired) Email: andre.preumont@ulb.ac.be ULB, Department of Mechanical Engineering and Robotics, Active Structures Laboratory, avenue F.D.Roosevelt, 50, CP 165/42, B-1050 Brussels Belgium Email: scmero@ulb.ac.be http://scmero.ulb.ac.be/team.php
Type of business or sector	Scientific research

Education and training

Dates	1993-1998
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Thesis title: '*Contribution on Adaptive Driving and Diagnosis Systems Optimization on Toothed-wheels Milling Machines'*, Computer aided theoretical and experimental research on the optimisation of toothed- wheels manufacturing milling machines.
Name and type of organisation providing education and training	Gheorghe Asachi Technical University of Iasi, Romania

Level in national or international classification	ISCED 6
Dates	1983-1988
Title of qualification awarded	Bachelor of Engineering (Mechanics)
Principal subjects/occupational skills covered	- Mechanical engineering; - Machine-tools and flexible manufacturing systems design and prototyping; - Manufacturing processes.
Name and type of organisation providing education and training	'Gheorghe Asachi' Polytechnic Institute of Iasi, Romania. Faculty of Mechanics
Level in national or international classification	ISCED 5

Personal skills and competences

Mother tongue **Romanian**

Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user
French	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	B1	Independent user

(*) Common European Framework of Reference for Languages

Social skills and competences	Team work: I have worked in many types of teams of researchers in Romania and abroad (Belgium).
Organisational skills and competences	I am foreign partner of the Active Structure Laboratory, University Librè de Bruxelles, Belgium. I was Project Manager in the framework of PN-II-ID-PCE-2008-2 research programme (PNII – IDEI code ID 313/2008) funded by Romanian Authority for Scientific Research (CNCSIS–UEFISCSU).
Technical skills and competences	- Computer assisted experimental research in dynamics of the structure and equipments; - Computer assisted experimental research of the phenomena mirrored in the evolution of the actuation power and Instantaneous angular speed - Computer assisted data processing; - Passive and active damping; - Design and manufacturing of mechatronics experimental setup in various domains; - Design, manufacturing and experimental research on electro-dynamic and piezoelectric actuators; - Robotics; - Design and manufacturing of loading sensors with strain gages.
Computer skills and competences	Operating systems: MS Windows; Software applications: Matlab and Simulink, AutoCAD, MS Office, various dedicated software application for mechanical engineering.
Artistic skills and competences	Romanian orthodox liturgy music.
Hirsch index:	- 10 on Web of Science; - 10 on Scopus; - 15 on Google Scholar;

Additional information

Personal references: Professor Andrè Preumont, Active Structure Laboratory, Universitè Libre de Bruxelles, Belgium.
Email: andre.preumont@ulb.ac.be

Annexes

Some relevant ISI papers :

1. **Horodinca, M**., Ciurdea, I., Chitariu, D. F., Munteanu A., Boca, M., (2020), Some approaches on instantaneous angular speed measurement using a two-phase n poles AC generator as sensor, *Measurement* 157 pp.1-13. (IF 3.927, Q1, 2020).
2. Chitariu D. F., Negoescu F., **Horodinca M.,** Dumitras C. G., Dogan G., Ilhan M., (2020), An Experimental Approach on Beating in Vibration Due to Rotational Unbalance, Applied Sciences-Basel, 2020, 10, 6899;
3. **Horodinca, M.** (2013), A study on actuation power flow produced in an active damping system, *Mechanical Systems and Signal Processing* 39, pp. 297–315. (IF 6.823, Q1, 2020; IF 2.465, Q1, 2013)
4. **Horodinca, M.,** Seghedin, N., Carata, E., Boca, M., Filipoaia C., and Chitariu, D., (2014), Dynamic Characterisation of Piezoelectric Actuated Mechanical Systems Using Energetic Parameters, *Mechanics of Advanced Materials and Structures,* vol 21, issue 2, pp. 154-164. (IF 4.030, Q1, 2020; IF 0.773 Q2, 2014)
5. **Horodinca, M.,** Seghedin, N., Carata, E., Filipoaia, C., Boca, M. and Chitariu, D. (2013), Experimental Investigations of the Power Absorbed at Mechanical Resonance. *Experimental Techniques*, vol. 30, Issue 7, pp. 21-31. (IF 0.779, Q3, 2020).
6. Alaluf, D., Bastaits R., Wang K., **Horodinca M.**, Martic G., Mokrani B., Preumont A., (2018), Unimorph Mirror for Adaptive Optics in Space Telescopes, *Applied Optics*, Vol. 57, No. 14 . (IF 1.973, Q2, 2018/2019).
7. Mokrani, B., Bastaits, R., **Horodinca, M.**, Romanescu, I., Burda, I., Viguié, R., Preumont A., (2015), Parallel piezoelectric shunt damping of rotationally periodic structures, *Advances in Materials Science and Engineering*, vol. 2015, pp. 1-12, Article ID 162782. (IF 1.399, Q4, 2018/2019)
8. Bastaits, R., Alaluf, D., **Horodinca, M.,** Romanescu I., Burda, I., Martic, G., Rodrigues, G., Preumont, A, (2014), Segmented bimorph mirrors for adaptive optics: segment design and experiment, *Applied Optics*. vol. 53, no. 29, pp. 6635-6642. (IF 1.973, Q2, 2018/2019)
9. Preumont A., **Horodinca M.,** Romanescu I., de Marneffe B., Avraam M., Deraemaeker A., Bossens F, Abu Hanieh A., (2007) A six-axis single-stage active vibration isolator based on Stewart platform, *Journal of Sound and Vibration*, vol. 300, Issues 3-5, March 2007, Pages 644-661, ISSN 0022-460X. (IF 3.123, Q1, 2018/2019)
10. Collette, C., **Horodinca, M.,** Preumont, A., (2009) Rotational vibration absorber for the mitigation of rail rutting corrugation, *Vehicle System Dynamics*, ISSN 0042-3114, Volume 47, Issue 6, June 2009, pages 641–659. (IF 2,613, Q2, 2018/2019)
11. Avraam, M., **Horodinca, M.,** Romanescu, I., Preumont, A., (2010) Computer Controlled Rotational MR-brake for Wrist Rehabilitation Device, *Journal of Intelligent Material Systems and Structures*, ISSN: 1045-389X, Vol 21, nr. 15, pages 1543-1557. (IF 2,582, Q2, 2018/2019)
12. Abu Hanieh, A., **Horodinca M.,** Preumont, A., (2002) Six-degrees-of-freedom hexapods for active damping and active isolation of vibrations, *Journal de Physique IV*, (now *European Physical Journal-Special Topics*), Vol. 12, Pr11-41-Pr11-48, December, 2002. ISBN 2-86883-649-6. (IF 1,660, Q2, 2018/2019)
13. Ganguli, A., Deraemaeker, A., Romanescu, I., **Horodinca, M**., Preumont, A., (2006) Simulation and Active Control of Chatter in Milling via a Mechatronic Simulator, *Journal of Vibration and Control,* vol. 12 No 8, pp. 817-848, August 2006, ISSN 1077-5463. (IF 2.865, Q1, 2018/2019)
14. de Marneffe, B., Avraam, M., Deraemaeker, A., **Horodinca, M.,** Preumont, A., (2009) Vibration Isolation of Precision Payloads: A six-axis Electromagnetic Relaxation Isolator, *AIAA Journal of Guidance, Control and Dynamics*, ISSN 0731-5090, vol. 32. No. 2 March-April 2009, pp.395-401. (IF 2.061, Q1, 2018/2019)
15. Collete, C., Fueyo-Roza. L., **Horodinca, M.,** (2014), Prototype of small low noise absolute displacement sensor, *IEEE Sensors Journal*. Volume: 14 Issue: 1Pages: 91-95. (IF 3.076, Q2, 2018/2019)

Patents:

1. **Horodincă, M**., Carata, E., Seghedin N. E.,(2019), *Linear Electromagnetic Actuator With Fixed Travel And Selectable Operating Mode, as Bistable or Monostable*, RO128674 (B1).
2. **Horodincă, M.,** Seghedin N. E., Carata, E., Boca, M., Filipoaia C., Chitariu D., (2018), *Micro-Positioning, Micro-Orientation and Micro-Displacement System with Six Degrees of Freedom*, RO127506 (B1).
3. **Horodincă, M.,** Doroftei, I. (2000), *Conical Planetary Gear Reducer Having a Central Wheel*, RO 116224 (B1).
4. **Horodincă, M.,** (2004), *Absolute Angular Position Probe and Method for Measuring Angular Displacement*, RO 119487 (B1).
5. **Horodincă, M.,** Seghedin, N., (1996), *Planetary Reduction Gear With Intermediary Solar Gears*, RO 111612 (B1).
6. **Horodincă, M.,** Seghedin, N., Gafincu, M., (1996), *Reduction Gear with Cylindrical Gear Wheels and Quadrilateral Mechanism*, RO 111610 (B1).
7. **Horodincă, M.,** (1993), *Absolute Analogical Transducer of Rotation And Method of Measurement for Angular Displacements*, RO 106610 (B1).
8. Doroftei, I., **Horodincă, M**. (2000), *Planetary Motor Reducer with Restrained Satellite and Mobile Seating*, RO 116120 (B).
9. Doroftei, I., **Horodincă, M.,** Merticaru, V., (2000), *Planetary Reduction-Gear with Fixed-Point and Multiple- End Satellite*, RO 115822 (B).
10. Doroftei, I., **Horodincă, M.,** (1998), *Planetary reduction gear box*, RO 113588 (B).
11. Doroftei, I., **Horodincă, M.,** (1997), *Planetary Switch*, RO 112130 (B).

Date: 20.10.2025 ; Place: Iaşi, Romania Signature:

Europass Curriculum vitae

Personal Information

First name(s) / Surname(s)	**Adriana Munteanu**
Adress(es)	Parcului, Nr.10, Iași, 700900, Romania
Mobile	0740219923
Fax(es)	
E-mail (s)	adriana.munteanu@tuiasi.ro, adriana.munteanu@acadeic.tuiasi.ro
Nationality	Romana
Date of birth	22/09/1976
Gender	Female

Desired employment / Occupational field **Technical University "Gheorghe Asachi" of Iasi/ Education**

Work experience

Dates	February.2018-present
Occupation or position held	Associate professor, PhD
Main activities and responsibilities	Teaching and application activities, research activities in higher education
Name and address of employer	Gh. Asachi Technical University of Iaşi, Faculty of Machine Manufacturing and Industrial Management, Bd. Dimitrie Mangeron nr. 59A, 700050 – Iasi, Romania, www.tuiasi.ro

Dates	September. 2012- February 2018
Occupation or position held	Lecturer
Main activities and responsibilities	Teaching and application activities, research activities in higher education
Name and address of employer	Gh. Asachi Technical University of Iaşi, Faculty of Machine Manufacturing and Industrial Management, Bd. Dimitrie Mangeron nr. 59A, 700050 – Iasi, Romania, www.tuiasi.ro

Dates	February 2011- September2012
Occupation or position held	Assistant
Main activities and responsibilities	Teaching and application activities, research activities in higher education
Name and address of employer	Gh. Asachi Technical University of Iaşi, Faculty of Machine Manufacturing and Industrial Management, Bd. Dimitrie Mangeron nr. 59A, 700050 – Iasi, Romania, www.tuiasi.ro

Dates	February. 2007 - February.2011
Occupation or position held	Junior assistant
Main activities and responsabilities	Teaching and application activities, research activities in higher education
Name and address of employer	Gh. Asachi Technical University of Iaşi, Faculty of Machine Building, Bd. Dimitrie Mangeron nr. 59A, 700050 – Iasi, Romania, www.tuiasi.ro

Education and training

Dates	*2005- 2008*
Title of qualification awarded	PhD engineer/ PhD diploma
Principal subjects / occupational skills covered	
Name and type of organisation providing education and training	Technical University „Gh. Asachi" of Iaşi, B-dul D. Mangeron, nr. 67, 700050 Iaşi, România

Dates	*2005 – 2006*
Title of qualification awarded	Master Diploma

Principal subjects / occupational skills covered	Research techniques, unconventional technologies, advanced manufacturing technologies, the basics of scientific research, FEA in product manufacturing, etc.
Name and type of organization providing education and training	Technical University „Gh. Asachi" of Iaşi, B-dul D. Mangeron, nr. 67, 700050 Iaşi, Romania
Dates	*2000 - 2005*
Title of qualification awarded	Diploma engineer / engineering degree
Principal subjects / occupational skills covered	Computer use, design, project management, manufacturing process technology, theoretical mechanics, cutting bases, machine tools, devices, quality assurance, the basics of technical creation, machine parts, unconventional technologies, tolerances and dimensional control, etc.
Name and type of organization providing education and training	Technical University „Gh. Asachi" of Iaşi, B-dul D. Mangeron, nr. 67, 700050 Iaşi, România

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s) **Franceza, Engleza**

Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
French	B2	Independent users	B2	Independent users	B2	Independent users	B2	Independent users	B2	Independent users
English	C1	Proficient user	C1	Proficient user	C1	Proficient user		Proficient user	C2	Proficient user

(*)Common European Framework of Reference for Languages

Social skills and competences	I'm a sociable, comunicative, reliable, conscentious, resposable and creative person
Computer skills and competences	Microsoft Office, Matlab, Design Programs
Driving licence(s)	B category

PERSONAL INFORMATION

Nica Petru-Edward



Bd. Mangeron no. 57, Iași, Romania
0232-702149
pnica@tuiasi.ro

Sex M| Date of birth 08.05.1973 | Nationality romanian

WORK EXPERIENCE

2021-present

Habil Professor
Politehnica University of Bucharest, Romania
Main activities and responsibilities:
Supervising research activity of Ph.D. students
Type and area of activity: Education - Higher Education

2014-present

Professor
"Gheorghe Asachi" Technical University of Iași, Dimitrie Mangeron Bvd., No. 67, Iasi, Romania
Main activities and responsibilities:
Teaching activities: course "General Physics" (including its preparation)
Scientific research and methodical activities in the interest of education
Type and area of activity: Education - Higher Education

2014 - 2015

Project Manager POSDRU/157/1.3/S/132731 "Improvement of theoretical and practical education for teachers in the use of modern educational technologies in teaching physics and technical disciplines"
"Gheorghe Asachi" Technical University of Iași, Dimitrie Mangeron Bvd., No. 67, 700050, Iași
Main activities and responsibilities:
Overall management of the project (planning activities, implementation, monitoring achievement indicators)
Setting up the project team and management of project implementation involving human resources according to the schedule of activities (human resources management)
Communication with participants from the target group (teachers of higher secondary education)
Type and area of activity: Education - Secondary Education

2010-present

Head of Physics Department
"Gheorghe Asachi" Technical University of Iași, Dimitrie Mangeron Bvd., No. 67, Iasi, Romania
Main activities and responsibilities:
Managerial activities. Coordination of the didactical and research activity, periodical evaluation of the team, Elaboration of development strategies. Organization of scientific conferences
Type and area of activity: Education - Higher Education

2008-2014

Associate Professor
"Gheorghe Asachi" Technical University of Iași, Dimitrie Mangeron Bvd., No. 67, Iasi, Romania
Main activities and responsibilities:
Teaching activities: course "General Physics" (including its preparation)
Seminars and laboratory work (including their preparation)
Assessment during teaching activities (lectures, seminar, lab)
Scientific research and methodical activities in the interest of education
Type and area of activity: Education - Higher Education

2006-2008

Researcher
"University of Hyogo, Laboratory of Advanced Science and Technology for Industry, Japan
Main activities and responsibilities:
Research in laser produced plasma for applications on semiconductor technology (Next generation of EUV lithography)
Type and area of activity: Education - Research

2004-2008

Lecturer
"Gheorghe Asachi" Technical University of Iași, Dimitrie Mangeron Bvd., No. 67, Iasi, Romania
Main activities and responsibilities:
Teaching activities: course "General Physics" (including its preparation)
Seminars and laboratory work (including their preparation)
Assessment during teaching activities (lectures, seminar, lab)
Scientific research and methodical activities in the interest of education
Type and area of activity: Education - Higher Education

2000-2004

Assistant
"Gheorghe Asachi" Technical University of Iași, Dimitrie Mangeron Bvd., No. 67, 700050, Iași
Main activities and responsibilities:
Seminars and laboratory work (including their preparation)
Assessment during teaching activities (lectures, seminar, lab)
Scientific research and methodical activities in the interest of education
Type and area of activity: Education - Higher Education

1998-2000

Associate Assistant
"Gheorghe Asachi" Technical University of Iași, Dimitrie Mangeron Bvd., No. 67, 700050, Iași
Main activities and responsibilities:
Seminars and laboratory work (including their preparation)
Assessment during teaching activities (lectures, seminar, lab)
Scientific research and methodical activities in the interest of education
Type and area of activity: Education - Higher Education

EDUCATION AND TRAINING

2002 - 2007

Ph.D in Physics
„Al. I. Cuza" University Iaşi, Faculty of Physics
Competences acquired:
Analysis and synthesis capacity, based on the use of scientific methods and rigorous theoretical information resources. Individual skills and team work, planning work and time management
Ability to design and to carry out experiments and innovations

1994 - 1999

Graduate in Materials Science and Engineering
"Gheorghe Asachi" Technical University of Iasi, Faculty of Materials Science and Engineering
Competences acquired:
Analysis and synthesis capacity, based on the use of scientific methods and rigorous theoretical information resources

1996 - 1997

Post-graduate studies în Physics
„Al. I. Cuza" University Iaşi, Faculty of Physics
Competences acquired:
Analysis and synthesis capacity, based on the use of scientific methods and rigorous theoretical information resources

1991 - 1996

Graduate in Physics
„Al. I. Cuza" University Iaşi, Faculty of Physics
Competences acquired:
Analysis and synthesis capacity, based on the use of scientific methods and rigorous theoretical information resources

PERSONAL SKILLS

Mother Language Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	A2	A2	A2	A2	A2

Communication skills
The ability to communicate in writing and verbally
Very good skills of interpersonal communication, experience gained from teaching
The ability to read and understand different texts adopting the right strategy purpose of reading (information/training/pleasure) and different types of text
Ability to write texts for a variety of purposes, monitoring the writing process, from "draft" to "good for print"
Ability to formulate own arguments in a convincing manner and take into account other points of view expressed both verbally and in writing

Organizational/management skills
Ability to develop and implement a project, Ability to work cooperatively and flexibly within a team
Ability to adapt to unforeseen circumstances and to prioritize tasks to meet deadlines
Ability to work under pressure and to find solutions to the challenges arising
Ability to organize and coordinate working groups, the experience gained in teaching and project coordinator

Computer skills
Operating knowledge in Microsoft Office (Word, Excel, PowerPoint), Mathematica, Various software packages for data acquisition and manipulation, numerical simulation

Research areas
Laser produced plasma physics
Condensed Matter Physics
Electromagnetic Phenomena Physics

ADDITIONAL INFORMATION

Publications
Papers: 100 (70 in ISI cited journals – see the Annex)
Books: 8

Conferences
Contributions at international conferences: 50
Main organizer of the National Applied Physics Conferences at Department of Physics, “Gheorghe Asachi” Technical University of Iasi, Romania - http://cnfa.tuiasi.ro/ 3rd Edition (2008), 4th Edition (2010), 5th Edition (2013), 6th Edition (2016)

Research projects:
Member of 12 national research projects,
Manager of the research project: “Characterization of the Soft X-Ray Sources Based on Laser Produced Plasma”, Project extension: October 2007 – September 2010

Educational projects
Member in 2 European projects for Human Resources Development (2010-2013)
Director of 1 European project for Human Resources Development (2014-2015)

Bibliometric data
Hirsch Index: 16; Sum of Times Cited without self-citations 611; Citing Articles without self-citations: 295

International Collaborations
- NATO Research fellowships at University of Athens, Greece, 2002, 2003
- Teaching Erasmus stages at University of Athens, Greece University of Lille, University of Lyon, France, University of Lille, France, University of Reykjavik, Island
- Postdoctoral Fellowship University of Hyogo, Japan (2004)
- Invited Professor University of Lille, France (2021, 2019, 2017)

References names
- Prof. Dr. S. Miyamoto, University of Hyogo, New Subaru Synchrotron, Laboratory of Advanced Science and Technology for Industry, Japan
  e-mail: miyamoto@lasti.u-hyogo.ac.jp
- Prof. Cata-Danil Gheorghe, Department of Physics, Faculty of Applied Sciences, University Politechnica of Bucharest, Romania, cata-danil@physics.pub.ro
- Prof. Cristian Focsa, Laboratoire de Physique des Lasers, Atomes, et Molécules Université des Science et Technologies de Lille, France, cristian.focsa@univ-lille1.fr

Data: 20.10.2025

Signature

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s)	**Neculai Eugen, Seghedin**
Address(es)	74, Soseaua Nicolina, Iaşi, ROMANIA
Telephone(s)	0232.262.328 Mobile: 0742137548
Fax(es)	0232.262.328
E-mail	nseghed2003@yahoo.com
Nationality	Romanian
Date of birth	1963, October 7
Gender	Male

Profesional Experience

Dates	**March 2012-present**
Occupation or position held	Vice-rector with didactic affairs and quality assurance
Main activities and responsibilities	Didactic activities, Evaluation and Quality Assurance
Name and address of employer	Technical University „Gheorghe Asachi" of Iaşi, Romania, Bd. Dimitrie Mangeron, nr.67, 700050 Iaşi, România, Phone/Faxe +40232231041, http://www.tuiasi.ro/
Dates	**March 2016-present**
Occupation or position held	President of Commision for Evaluation and Quality Assurance
Main activities and responsibilities	Evaluation and Quality Assurance of Study Programs
Name and address of employer	Technical University „Gheorghe Asachi" of Iaşi, Romania, Bd. Dimitrie Mangeron, nr.67, 700050 Iaşi, România, Phone/Faxe +40232231041, http://www.tuiasi.ro/
Type of business or sector	Education, Management, Evaluation and Quality Assurance
Dates	**May 2008-March 2012**
Occupation or position held	Director of Department for Evaluation and Quality Assurance
Main activities and responsibilities	Evaluation and Quality Assurance of Study Programs
Name and address of employer	Technical University „Gheorghe Asachi" of Iaşi, Romania, Bd. Dimitrie Mangeron, nr.67, 700050 Iaşi, România, Phone/Faxe +40232231041, http://www.tuiasi.ro/
Type of business or sector	Education, Management, Evaluation and Quality Assurance
Dates	**January 2008-May 2008**
Occupation or position held	Vice-dean of Faculty for Machine Manufacturing and Industrial Management

Main activities and responsibilities	coordination of quality assurance process; coordination of practical activities
Name and address of employer	Technical University „Gheorghe Asachi" of Iaşi, Romania, Bd. Dimitrie Mangeron, nr.67, 700050 Iaşi, România, Phone/Faxe +40232231041, http://www.tuiasi.ro/
Type of business or sector	Education, Management
Dates	**October 1990-present**
Occupation or position held	2008-present, Professor 2003-2008, Assoc. Professor 1995-2003, Lecturer 1990-1995, Assistant
Main activities and responsibilities	Didactical and research activity
Name and address of employer	Technical University „Gheorghe Asachi" of Iaşi, Romania, Bd. Dimitrie Mangeron, nr.67, 700050 Iaşi, România, Phone/Faxe +40232231041, http://www.tuiasi.ro/
Type of business or sector	Education, Research activities in Jigs and fixtures and Technical creativity domain
Dates	**1983-1988**
Title of qualification awarded	Mechanical Engineer
Principal subjects/occupational skills covered	Mechanical Engineer in Machine Manufacturing Domain
Name and type of organisation providing education and training	Technical University „Gheorghe Asachi" of Iaşi, Romania, Bd. Dimitrie Mangeron, nr.67, 700050 Iaşi, România, Phone/Faxe +40232231041, http://www.tuiasi.ro/
Level in national or international classification	ISCED 5
Type of business or sector	Special machine-tools design and research
Dates	**2005-2007**
Occupation or position held	Director, CNCSIS Research project "Informatical system for synthesis of the multiple clamping fixtures"
Main activities and responsibilities	analisys of multiple clamping devices; intelligent synthesis of jigs and fixtures
Name and address of employer	Education, Research and Innovation Ministry, **T**he National University Research Council, Schitu Magureanu Str., Nb. 1, Et. 3, 5, 050025, Bucharest
Type of business or sector	scientifical research
Dates	**2000-2001**
Occupation or position held	Director, CNFIS and World Bank Independent Research project "Program for development of scientific research skills for students in the domain of jigs and fixtures"
Main activities and responsibilities	Development of research skills of students; analysis of dinamic behavior of fixtures
Name and address of employer	Education, Research and Innovation Ministry, The National University Research Council, Schitu Magureanu Str., Nb. 1, Et. 3, 5, 050025, Bucharest
Type of business or sector	scientifical research
Dates	**2012-2016**
Occupation or position held	Director, POS-CCE Project, Development of the research platform for efficient and sustainble energy ENERED ID 911, 10.000.000. eur.
Main activities and responsibilities	Management of the project
Name and address of employer	Technical University „Gheorghe Asachi" of Iaşi, Romania, Bd. Dimitrie Mangeron, nr.67, 700050 Iaşi, România, Phone/Faxe +40232231041, http://www.tuiasi.ro/
Type of business or sector	scientifical research

Dates	**2009-2017**
Occupation or position held	Expert of European Patent Academy
Main activities and responsibilities	Road Map Coordinator For Romania concernind the dissemination of the Intellectual property knowledge in higher education
Name and address of employer	European Patent Academy, Erhardsstrasse 27, 80469 Munich, Germany
Type of business or sector	Intellectual property
Dates	**2010-2013**
Occupation or position held	Executive Director, POS DRU /88/1.5/S/59410 Doctoral scholarship for excelence-EURODOC
Main activities and responsibilities	Management of the project
Name and address of employer	Technical University „Gheorghe Asachi" of Iaşi, Romania, Bd. Dimitrie Mangeron, nr.67, 700050 Iaşi, România, Phone/Faxe +40232231041, http://www.tuiasi.ro/
Type of business or sector	Human resources development
Dates	**2010-2013**
Occupation or position held	Project Coordinator , POS DRU 86/1.2/S/62485, On-line system for learning and evaluation of the students in cycle 1 and 2 in technical higher education, for the mathematics, mechanics, physics, informatics and chemistry disciplines.
Main activities and responsibilities	Management of the project
Name and address of employer	Technical University „Gheorghe Asachi" of Iaşi, Romania, Bd. Dimitrie Mangeron, nr.67, 700050 Iaşi, România, Phone/Faxe +40232231041, http://www.tuiasi.ro/.
Type of business or sector	Human resources development

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	B2	Idependent user	B2	Idependent user	B2	Idependent user	B2	Idependent user	B2	Idependent user
French	B2	Idependent user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user

(*) Common European Framework of Reference for Languages

Organisational skills and competences
Research team coordinator
Quality evaluation team coordinator
Educational management skills

Technical skills and competences
Jigs and fixtures research and design
Techniques and methods for technical creativity
Dinamic behavior of jigs and fixtures
Intelligent synthesis of mechanical structures
Bioengineering
Intellectual Property
Quality Assurance

Computer skills and competences
Office, AutoCAD, Solid Works, Catia

Driving licence
Driver certificate B category

Additional information
19 books, 152 papers, 8 patents, 40 projects and grants (director of 18 grants)



Curriculum vitae Europass

Informaţii personale

Nume / Prenume	**AXINTE EUGEN**
Adresă(e)	Universitatea Tehnică “Gh. Asachi” Iaşi, Facultatea Construcţii de Maşini şi Management Industrial, Departamentul Tehnologia Construcţiilor de Maşini, Bd. Mangeron 59A, Iaşi - 700500
Telefon(oane)	(40-232)278683 int. 2314 Mobil:
Fax(uri)	(40-232)217290
E-mail(uri)	axintee@tcm.tuiasi.ro axinteeugen@gmail.com http://www.linkedin.com/in/eugenaxinte64
Naţionalitate	Română
Data naşterii	03.08.1964

Pozitia pentru care se aplica Dosar acreditare/evaluare program master Intelligent Manufacturing and Automation - Dep.TCM/CMMI

Experienţa profesională

Perioada	Din 1 sept . 1990 până în prezent
Funcţia sau postul ocupat	Preparator universitar (1 sept. 1990 - 1 mart. 1993), asistent universitar (1 mart. 1993 - 24 febr. 1996), şef de lucrări (din 24 februarie 1996 –26 feb. 2002) conferentiar universitar (26 feb.2002- februarie .2008) ;profesor universitar (martie2008- prezent) Conducator de doctorat în domeniul Inginerie Industrială din 2010
Activităţi şi responsabilităţi principale	Activitate didactică şi de cercetare în Facultatea Construcţii de Maşini şi Management Industrial, departamentul Tehnologia Construcţiilor de Maşini ; Director interimar SD-CMMI 2012-2016 ; Dir.SD-CMMI 2012-2016 Director CCPD-CMMI 2016-prezent
Numele şi adresa angajatorului	Universitatea Tehnică “Gh. Asachi” Iaşi, Bd. D. Mangeron, nr.67, 700050 Iaşi, România
Tipul activităţii sau sectorul de activitate	Învăţământ superior tehnic
Perioada	1sept . 1989 – 1 sept 1990
Funcţia sau postul ocupat	Inginera tehnolog SC Tehnoton Iasi
Activităţi şi responsabilităţi principale	coordonare şi monitorizare activitate de omologare şi lansare în fabricaţie ;elaborare tehnologii
Numele şi adresa angajatorului	S.C. TEHNOTON S.A. Iaşi, Str. Chisinaului Cod poştal 700381, Iasi, Romania,
Tipul activităţii sau sectorul de activitate	Electrotehnica , electronica şi Fabricaţie mecanică generală

Educaţie şi formare

Perioada	oct.1991 – mai 1998
Calificarea / diploma obţinută	- Diploma de doctor în domeniul Inginerie Industrială *(TCM)*
Disciplinele principale studiate / competenţe profesionale dobândite	- cercetare avansată în domeniul Inginerie Industrială
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Universitatea Tehnică “Gh. Asachi” Iaşi, Facultatea Construcţii de Maşini, Catedra *Tehnologia Construcţiilor de Maşini*
Perioada	1984-1989
Calificarea / diploma obţinută	Diploma licenta Seria M nr. 029359 / 21.09.1989 , în specializarea TCM
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Institutul Politehnic din Iasi, Facultatea de Mecanica , specializarea TCM

© Comunităţile Europene, 2003 20060628

Competenţe profesionale	- Asigurarea calitatii in procese de fabricatie - Materiale noi; tehnologii de prelucrare prin aschiere şi prin abraziune

Aptitudini şi competenţe personale

Limba maternă	**Română**
Limbi străine cunoscute	**Limba engleză**
Competenţe şi aptitudini organizatorice	Experienţă a managementului de proiect şi al echipei. În perioada 2001 -2006 -DIRECTOR DE GRANT , 2 granturi multianuale CNCSIS câştigate prin competiţie naţională contract nr. 35259/2001/2002 Tema 74/2001 CNCSIS- cod 37 & Tema 94/2002 CNCSIS cod 42& contract nr 33371/29.06.04 Tema 4-Cod 463 /2004/2005) Spirit organizatoric - Organizator de manifestări ştiinţifice internaţionale: Conferintele Internationale TMCR-2002, TMCR-2004, TMCR-2006, TMCR-2008: membru în secretariatul conferintei şi comitetul de organizare. Membru al Senatului TUIasi - 2012/2016 Presedinte al Comisiei de Strategie si Management financiar a **Senatului TUIasi - 2012/2016** Director Scoala Doctorala CMMI -2012-2020 **Reviewer** Journal of Materials Processing Technology (*Elsevier*) Materials & Design (*Elsevier*) Solar Energy (Elsevier) ; Journal of Non-Crystalline Solids (Elsevier) International Journal of Advanced Manufacturing Technology (Springer) **Membru in Comitete Editoriale** Membru International Editorial Board at Journal of **Materials & Design** @ Elsevier International Advisory Board at **Recent Patents In Materials Sciences** (Bentham Science Publishers) United Arab Emirates (http://www.benthamscience.com/mats/) ; Journal of Mineral Metal and Materials Engineering ; **Modern Mechanical Engineering** (www.scirp.org/journal/mme/) Advances in Science and Technology Researche Journal (ASTRJ)

Carti publicate 10 (din care 3 ca unic autor), un total de 100 lucrari comunicate şi publicate în ţară / străinătate (din care 40 ca prim sau unic autor).

Hirsch Index =12(Web of Science) Hirsch Index =13(Scopus) Hirsch Index =15(Google Scholar)

Pentru mai multe informaţii despre Europass accesaţi pagina: http://europass.cedefop.europa.eu
© Comunităţile Europene, 2003 20060628

PERSONAL INFORMATION

MIHALACHE Marius Andrei



Iasi, Romania

- +(40) 745 356 715

andrei.mihalache@tuiasi.ro
marius-andrei.mihalache@academic.tuiasi.ro
http://www.tcm.cmmi.tuiasi.ro /member/andrei-mihalache/

Sex Male | Date of birth 04/07/1979 | Nationality Romanian

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR
PERSONAL STATEMENT

WORK EXPERIENCE

2016-present

Lecturer

Gheorghe Asachi Technical University of Iasi (www.tuiasi.ro)

- Activities: teaching at classes, attending labs and seminaries, organizational activities, research, project management, institutional duties;
  - Responsibilities:
    - Attending seminary related activities for the "***Industrial Entrepreneurship***" course (Master degree);
    - Attending seminary related activities for the "***Resources Planning and Analysis of the Product Life Cycle***" course (Master degree);
    - Attending seminary related activities for the "***Preventive and Predictive Maintenance***" course (Master degree);
    - Teaching activities according to the class curricula as well as attending laboratory related activities for the "***Manufacturing Technologies on Numerical Control Machines***" course (Bachelor degree);
    - Attending laboratory related activities for the "***Computer Aided Technological Design***" course (Bachelor degree);
    - Attending laboratory related activities for the "***Flexible Systems Technological Design***" course (Bachelor degree);
    - Attending seminary related activities for the "***Applied Infographics and Informatics***" course (Bachelor degree);
    - Attending seminary related activities for the "***Technical Creation Basics***" course (Bachelor degree);
    - Research activities for a continuous improvement of disseminated information and personal development and scientific acknowledgment through constant searches on web portals (Science Direct, Thompson Reuters, Web of Knowledge, and Google Scholar) and own researches disseminated at national and international conferences, workshops, publications and volumes;
    - Supervision and management of student's final project (bachelor and master degrees) as coordinator;
    - Institutional duties as member of the Machine Manufacturing Technology Department (http://cmmi.tuiasi.ro/en/home/);
    - Supervisor of students acquiring practical skills throughout a three weeks practice period of time at the end of each academic year at a certified private industrial partner;
    - Participation as Supervisor Professor in the ERASMUS+ program at universities from Naples, Italy and Varna, Bulgaria;
    - Active involvement in the Innovative Manufacturing Engineering & Energy International Conference held by the department of Machine Manufacturing Technology yearly as member of the organizing committee, editorial board, author or co-author, sub-reviewer and reviewer (www.imane.ro).

Business or sector Education

2013-2016 **Assistant**

Gheorghe Asachi Technical University of Iasi (www.tuiasi.ro)

- Activities: teaching at classes, attending labs and seminaries, organizational activities, research, project management, institutional duties;
  - Responsibilities:
    - Attending laboratory related activities for the "***Manufacturing Technologies on Numerical Control Machines***" course (Bachelor degree);
    - Attending laboratory related activities for the "***Computer Aided Technological Design***" course (Bachelor degree);
    - Attending laboratory related activities for the "***Flexible Systems Technological Design***" course (Bachelor degree);
    - Attending seminary related activities for the "***Programming and Using the Computer***" course (Bachelor degree);
    - Attending seminary related activities for the "***Applied Infographics and Informatics***" course (Bachelor degree);
    - Attending seminary related activities for the "***Technical Creation Basics***" course (Bachelor degree);
    - Research activities for a continuous improvement of disseminated information and personal development and scientific acknowledgment through constant searches on web portals (Science Direct, Thompson Reuters, Web of Knowledge, and Google Scholar) and own researches disseminated at national and international conferences, workshops, publications and volumes;
    - Supervision and management of student's final project (bachelor degree) as coordinator;
    - Institutional duties as member of the Machine Manufacturing Technology Department (http://cmmi.tuiasi.ro/en/home/);
    - Supervisor of students acquiring practical skills throughout a three weeks practice period of time at the end of each academic year at a certified private industrial partner;
    - Participation as Supervisor Professor in the ERASMUS+ program at universities from Thessaloniki, Greece
    - Active involvement in the Innovative Manufacturing Engineering & Energy International Conference held by the department of Machine Manufacturing Technology yearly as member of the organizing committee, editorial board, author or co-author, sub-reviewer and reviewer (www.imane.ro).

Business or sector Education

2007-2009 **Project Engineer**

S.C. AEROTEC S.R.L, Iasi, Romania (http://www.atexis.eu/company/history/)

- Activities as *Project Engineer*: development of technical documentation for maintenance services of airplanes from Airbus fleet;
  - Responsibilities:
    - Development of "*List Maintenance Part*" lists;
    - Supervisor and Reviewer;
- Activities as *Team Leader, Trainer, Prüfer, Final Validator*: supervision of workflows on chapters dedicated to certain maintenance services of A330/A340 and A380 type of airplanes: 25-6, 26, 34 & 35 - Emergency, Fire Protection & Oxygen, Data Systems, Passanger Seats;
  - Responsibilities:
    - Supervision and coordination of the workflow;
- Activities as *Communicator*: up to date maintenance of all contacts and communication lines between Aerotec Romania and Airbus France and Airbus GmbH;
  - Responsibilities:
    - Permanent communication with team members and validators from Germany and France.

Business or sector Aerospace

© European Union, 2002-2017 | europass.cedefop.europa.eu

2005-2007 **Project Engineer**

S.C. AMADO S.R.L, Iasi, Romania (http://www.atexis.eu/company/history/)

- Activities as *Project Engineer*: development of technical documentation;
  - Responsibilities:
    - Development of "*List Maintenance Part*" lists;
- Activities as *Team Leader, Trainer, Prüfer*: supervision of workflows on chapters dedicated to certain maintenance services of A330/A340 type of airplanes: 26, 35 - Fire Protection, Passanger Seats;
  - Responsibilities:
    - Supervision and coordination of the workflow;
- Activities as *Communicator*: up to date maintenance of all contacts and communication lines between Aerotec Romania and Airbus France and Airbus GmbH;
  - Responsibilities:
    - Permanent communication with team members and validators from Germany and France.

Business or sector Aerospace

2003-2004 **Project Implementing Advisor**

PARTENER – GIDL Non-Governmental Association, Iasi, Romania (https://asociatia-partener.ro/ro/)

- Activities as *Project Implementing Advisor*: development of technical documentation for PHARE funds designated projects in collaboration with the Romanian Government, motoring;
  - Responsibilities:
    - Development of technical documentation;
- Activities as *Trainer, Teacher*: training, teaching;
  - Responsibilities:
    - Training activities.

Business or sector Non-Governmental Organization

EDUCATION AND TRAINING

2009-2012 **PhD degree**

Gheorghe Asachi Technical University of Iasi, Romania (www.tuiasi.ro)

Faculty of Machine Manufacturing and Industrial Management (www.cmmi.tuiasi.ro)

Machine Manufacturing and Industrial Management Dpt. (www.tcm.cmmi.tuiasi.ro)

- PhD thesis title: "*Researches regarding reverse engineering's applicability in the mechanical field.*"

2003-2004 **Master degree**

Gheorghe Asachi Technical University of Iasi, Romania (www.tuiasi.ro)

Faculty of Machine Manufacturing and Industrial Management (www.cmmi.tuiasi.ro)

Machine Manufacturing and Industrial Management Dpt. (www.tcm.cmmi.tuiasi.ro)

1998-2003 **Bachelor degree**

Gheorghe Asachi Technical University of Iasi, Romania (www.tuiasi.ro)

Faculty of Machine Manufacturing and Industrial Management (www.cmmi.tuiasi.ro)

Machine Manufacturing and Industrial Management Dpt. (www.tcm.cmmi.tuiasi.ro)

PERSONAL SKILLS

Mother tongue(s) Romanian

© European Union, 2002-2018 | europass.cedefop.europa.eu

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Good communication skills.

Organizational / managerial skills

- Team Leader,
- Prüfer.

Derived skills:

- Teaching abilities and presentation skills in a logical manner,
- Management abilities acquired as Team Leader,
- Active involvement as part of a team,
- Prioritization of daily activities,
- The ability to accumulate new knowledge over a relatively short period of time,
- The ability to formulate pertinent and sustainable on time decisions,

Job-related skills

- Developing and maintaining a climate of good collaboration and open discussion with students and / or fellow colleagues.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user
Digital competences - Self-assessment grid

Replace with name of ICT-certificates

- Good command of **Microsoft Office** suite (Word, Excel, PowerPoint, Access, Publisher, Visio)
- networking: **CCNA Exploration (Cisco Certified Network Associate)**
- CAD/CAM/CAE/PLM/PDM: **AutoCAD**, **Ansys, Catia, SolidWorks, SolidEdge, MasterCAM, CIMCO, Siemens NX, Esprit**
- Graphic design: **Adobe** suite (Photoshop, Lightroom, Premiere), **Corel Draw**
- Web design: **WordPress** (Portfolio: www.imane.ro, www.tcm.cmmi.tuiasi.ro, www.expresii.ro, www.unilubricants.ro)
- Installation, administration and maintenance of **Windows** & **Linux** based **OS**'s

Other skills

- Professional Photographer
  (Portfolio: www.expresii.ro)

Driving license

B (*Romanian Grade*)
(obtained in 1997)

© European Union, 2002-2017 | europass.cedefop.europa.eu

ADDITIONAL INFORMATION

Publications
Presentations
Projects
Conferences
Seminars
Honors and awards
Memberships
References
Citations
Courses
Certifications

- Volunteer: " *Multimedia Training Network for an Effective Development of the ICT Basis in SMEs, on an European View – ICT-net*", July 2003 – December 2003;
- Scholarship: inside the *Socrates-Erasmus* program at „*Universit*à *Degli Studi di Napoli, Facolt*à *di Ingegneria*", Naples, Italy, February 2004 – April 2004;
- Delegated Professor: inside *Erasmus* program at „*Aristotle University of Thessaloniki*", Greece, June 2014;
- Delegated Professor: inside *Erasmus*+ program at „*Universit*à *Degli Studi di Napoli*", Naples, Italy, May 2015;
- Delegated Professor: inside *Erasmus*+ program at „*Aristotle University of Thessaloniki*", Greece, June 2016;
- Delegated Professor: inside *Erasmus*+ program at „*Universit*à *Degli Studi di Napoli*", Naples, Italy, April 2018;
- Delegated Professor: inside *Erasmus*+ program at „ *Technical University of Varna*", Varna, Bulgaria, September 2019;
- Trainer: on *Finite Element Analysis* performed at Delphi Systems Romania, September 2015;
- Trainer: on *3D modeling and scanning* performed at Romanian Bureau of Legal Metrology, June 2016 – September 2016;

ANNEXES

- Index by Scopus
- Index by Web of Science
- Index by Google Scholar

© European Union, 2002-2018 | europass.cedefop.europa.eu

Anexa II.9.a-CV

Curriculum Vitae *

INFORMAŢII PERSONALE **Boca Mihai**

Blvd. Dimitrie Mangeron, Nr. 59 A, IASI-700050, ROMANIA
0232/242109 0743/195870
mihai.boca@academic.tuiasi.ro; mihaitzaboca@yahoo.com ;

LOCUL DE MUNCA **Universitatea Tehnică „ Gh. Asachi" din Iaşi/ Facultatea de Construcţii de Maşini şi Management Industrial**

Şef de lucrări / Lector doctor inginer

EDUCAŢIE ŞI FORMARE

Perioada	2016-prezent
Funcţia sau postul ocupat	Şef lucrări
Activităţi şi responsabilităţi principale	Realizare de activităţi practice cu studenţii in cadrul disciplinelor de Calcul Numeric Asistat de Calculator, Tehnologia Construcţiilor de Maşini, Concepţia şi Managementul Tehnologiilor de Fabricaţie, Tehnologia Prelucrării Mecanice.
Numele şi adresa angajatorului	Facultatea de Construcţii de Maşini şi Management Industrial
Tipul activităţii sau sectorul de activitate	Pregătire activităţi de seminar şi laborator corespunzătoare disciplinelor de Calcul Numeric Asistat de Calculator, Tehnologia Construcţiilor de Maşini, Tehnologii de Fabricaţie, Tehnologia Prelucrării Mecanice.
Perioada	2012-prezent
Funcţia sau postul ocupat	Asistent universitar angajat pe perioadă nedeterminată
Activităţi şi responsabilităţi principale	Realizare de activităţi practice cu studenţii in cadrul disciplinelor de Calcul Numeric Asistat de Calculator, Tehnologia Construcţiilor de Maşini, Concepţia şi Managementul Tehnologiilor de Fabricaţie, Tehnologia Prelucrării Mecanice.
Numele şi adresa angajatorului	Facultatea de Construcţii de Maşini şi Management Industrial
Tipul activităţii sau sectorul de activitate	Pregătire activităţi de seminar şi laborator corespunzătoare disciplinelor de Calcul Numeric Asistat de Calculator, Tehnologia Construcţiilor de Maşini, Concepţia şi Managementul Tehnologiilor de Fabricaţie, Tehnologia Prelucrării Mecanice.
Perioada	2011-2012
Funcţia sau postul ocupat	Asistent universitar angajat pe perioadă determinată
Activităţi şi responsabilităţi principale	Realizare de activităţi practice cu studenţii in cadrul disciplinelor de CNAC (Calcul Numeric Asistat de Calculator), BPDP (Bazele Prelucrării Prin Deformare Plastică), PUC (Programarea şi Utilizarea Calculatorului)
Numele şi adresa angajatorului	Facultatea de Construcţii de Maşini şi Management Industrial, Universitatea Tehnică ,,Gheorghe Asachi'' din Iaşi
Tipul activităţii sau sectorul de activitate	Pregătire activităţi de seminar şi laborator corespunzătoare disciplinelor de Calcul Numeric Asistat de Calculator, Bazele Prelucrării Prin Deformare Plastică, Programarea şi Utilizarea Calculatorului
Perioada	

	2008-2011
Calificarea / diploma obţinută	Diploma de Doctor în Domeniul Ingineriei Industriale, act seria H Nr. 0005625/12.01.2012
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Facultatea de Construcţii de Maşini şi Management Industrial, Universitatea Tehnică ,,Gheorghe Asachi'' din Iaşi
Perioada	2008-2009
Calificarea / diploma obţinută	Diploma de Master în specializarea de Tehnologii Avansate de Prelucrare, act seria H Nr. 0037282/30.08.2010
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Facultatea de Construcţii de Maşini şi Management Industrial, Universitatea Tehnică ,,Gheorghe Asachi'' din Iaşi
Perioada	2004-2008
Calificarea / diploma obţinută	Diploma de absolvire a studiilor de Pregătire a Personalului Didactic, act seria F Nr. 0322105/09.07.2012
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Facultatea de Construcţii de Maşini şi Management Industrial, Universitatea Tehnică ,,Gheorghe Asachi'' din Iaşi
Perioada	2003-2008
Calificarea / diploma obţinută	Diploma de inginer în specializarea Tehnologia Construcţiilor de Maşini; Act seria G Nr. 0054352/18.05.2009
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Facultatea de Construcţii de Maşini şi Management Industrial, Universitatea Tehnică ,,Gheorghe Asachi'' din Iaşi

COMPETENTE PERSONALE	2011 – urmarea cursului de formare profesională de ,, **Formator de formatori**", obţinând certificatul de atestare cu seria F şi numărul 0322105 2012 - urmarea cursurilor de pregătire profesională în domeniul Sănătăţii şi Securităţii în Muncă şi absolvirea acestora obţinând astfel certificatul de atestare cu seria I şi numărul 00302654 2014 – urmarea cursurilor Şcolii de vară cu tema,, Advances in Heat Transfer Enhancement: from basic to nano, 3-rd edition" şi absolvirea acestora;
Competenţe de comunicare	▪ bune competenţe de comunicare dobândite prin experienţa didactica din anul 2012, cand am fost titularizat pe post si pana in prezent; o deschidere corespunzatoare si o dedicare asupra problemelor de intelegere a notiunilor impartasite, precum si a celor ce tin de partea practica;
Competenţe organizaţionale/manageriale	▪ experinta de leadership in cadrul unor activitati extracuriculare, prin lucrul cu grupuri de studenti de cate 10-15 persoane, cu precizarea de sarcini corespunzatoare pozitiei ocupate in cadrul echipei;

Limba(i) străine cunoscute					
Autoevaluare	**Înţelegere**		**Vorbire**		**Scriere**
	Ascultare	Citire	Participare la conversaţie	Discurs oral	Exprimare scrisă

Limba engleză	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent
Limba franceză	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent

Competenţe dobândite la locul de muncă	- Competente organizatorice/metodice: comunicare cunostinte, organizarea strategica pe grupuri de lucru, pe module de invatare, comunicare facila si adaptata modului de gindire a fiecarui student; - competente de gestiune: crearea si gestionarea unor baze de date in scopul centralizarii situatiilor scolare al studentilor si de apreciere a activitatii acestora;
Alte competenţe	- o bunăcunoaştere a instrumentelor Microsoft Office (Word, Excel şi PowerPoint); - cunoştinţe legate de programele de proiectare grafică pe calculator: SolidEdge, SolidWorks, ,Catia, Deform 3D, AutoCad; - caparcitate de lucru in echipa; - bun comunicator; - capacitate de analiza, selectie si coordonare;

INFORMATII SUPLIMENTARE

Activitate ştiinţifică:
realizarea unui număr de 19 publicaţii ştiinţifice în calitate de autor, la care se adaugă participarea în calitate de coautor la alte 21 lucrări ştiinţifice şi o cerere de brevet de invenţie;
membru în proiectului de cercetare IDEI, cod 313, contract nr. 658/2009, în proiectul intitulat ,, Activitate de cercetare exploratorie privind comportamentul dinamic al structurilor cu corecţie de masă distribuită, cu absorbţia energiei modale";
participare în cadrul unor manifestări ştiinţifice la care a avut loc prezentarea lucrării/lucrărilor științifice realizate în calitate de autor/coautor;
Membru în echipa unui proiect
Cercetare exploratorie privind corecţia comportării dinamice a structurilor cu masă distribuită cu utilizarea absorbitorilor de energie modală. PN-II-ID-PCE-2008-2, programul Idei. Cod CNCSIS 313. Contract 658/2009. Director de proiect: Horodincă Mihaita; echipa proiectului: Seghedin, N., Carata, E., Boca M., Filipoaia, C., Chitariu, D.
Premii, Diplome obţinute ca membru într-o echipă de cercetare:
- Diplomă şi medalia de aur pentru invenţia cu titlul: Micro-positioning, micro-orientation and micro-displacement system with six degrees of freedom. Euro INVENT, Expoziţia europeană a creativităţii şi inovării, Iaşi 24 Mai 2014, Inventatori: Mihăiţă Horodincă, Neculai-Eugen Seghedin, Eugen Carata, Dragoş Chitariu, Claudiu Filipoaia, Mihai Boca (notificare de la OSIM precum ca inventia este viabila).
- Premiu acordat in cadrul programului „Premierea rezultatelor cercetării, CNCS CNFIS", Lista 2/2013, cod depunere PN-II-RU-PRECISI-2013-7-2941.
- Premiu acordat in cadrul programului „Premierea rezultatelor cercetarii, CNCS CNFIS", Articole, Lista 5/2014, cod depunere: PN-II-RU-PRECISI-2014-8-6857, pentru lucrarea: Horodinca, M., Seghedin, N., Carata, E., Boca, M., Filipoaia, C., Chitariu, D., (2014), Dynamic Characterization of a Piezoelectric Actuated Cantilever Beam Using Energetic Parameters, Mechanics of Advanced Materials and Structures,vol 21, issue 2, pp. 154-164, 2014.
Feb.- Mar. 2010 stagiu de cercetare doctorală în cadrul Universităţii Nova din Lisabona - Portugalia, Facultatea de Ştiinţă şi Tehnologie
Feb. – Iul. 2007 beneficiar al unei burse de studiu Erasmus-Socrates, Ecole National des Arts et Metiers, Paris – Franţa

Curriculum Vitae

Coteaţă Margareta

Personal information

Address	Dep. de Tehnologia de Construcţii de Maşini, B-dul D. Mangeron, nr. 59 A, 700050 Iaşi, România
Telephone	+40 232 278680/2313 Mobile: +40752141598
Fax	+40 232 217290
E-mail	mcoteata@tcm.tuiasi.ro, margacoteata@yahoo.com
year of birth	1976

Occupational field	Education and research in Industrial Engineering
Work experience	2003-present
Name and address of employer	Technical University "Gheorghe Asachi" of Iaşi, Blvd. D. Mangeron, 59A, 700 050 Iasi, ROMANIA
Type of business or sector	Higher Education, Research
Dates	***1st October 2021 - present***
Occupation or position held	Associate professor
Main activities and responsibilities	*Didactical activities:* courses on Nontraditional Technologies, Design of Technological Systems, project-Manufacturing Technologies, *Research activities*
Dates	***1st October 2011 -30 September 2021***
Occupation or position held	Senior lecturer
Main activities and responsibilities	*Didactical activities:* courses on Nontraditional Technologies and on Special Welding Processes, seminars and project on Basics of Scientific Research, Manufacturing Technologies - project, *Research activities*
Dates	***October 2007 –September 2011***
Occupation or position held	Assistant professor
Main activities and responsibilities	*Didactical activities:* laboratory on Nontraditional Technologies, Manufacturing Technologies – laboratory and project, seminars on Mechanical Production Management and on Basics of Technical Creativity, *Research activities*
Dates	***March 2003 –September 2007***
Occupation or position held	Junior Assistant
Main activities and responsibilities	*Didactical activities:* applications on Nontraditional Technologies, Manufacturing Technologies - laboratory, Industrial Practics *Research activities*

Education and training

Period	***2001- 2009***
Title of qualification awarded	***Ph D in Industrial Engineering***
Organization	Technical University "Gheorghe Asachi" of Iaşi
Principal occupational skills covered	Systemic research, theoretical and experimental approach of hybrid electrochemical discharge machining, surface quality analysis, data processing.
Period	***2001 - 2002***
Title of qualification awarded	***Master Science in Computer Aided Design and Manufacturing Systems***
Organisation	Technical University "Gheorghe Asachi" of Iaşi, Faculty of Machines Manufacturing Technology
Principal occupational skills covered	Basic use of CAD - CAM software
Period	***1996 - 2001***
Title of qualification awarded	***Engineer, specialization of Nontraditional Equipment and Technologies***
Organization	Technical University "Gheorghe Asachi" of Iaşi, Faculty of Machines Manufacturing Technology
Level in international classification	072 Manufacturing and processing (in accordance with ISCED F-2013)
Principal occupational skills covered	Nontraditional machining and welding processes, Machine elements, Mechanical Design
Period	***1991 - 1995***
Title of qualification awarded	Accountancy
Organization	Economics and Administration O. Onicescu High school, Botosani
Principal occupational skills covered	Accountancy, Basic statistics

Personal skills and competences

Mother tongue: Romanian

Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	C1	Proficient user	C2	Proficient user	C1	Proficient user	C2	Proficient user	C1	Proficient user
French	B1	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	A2	Independent user
Italian	B1	Independent user	B2	Independent user	A2	Basic user	A2	Basic user	A1	Basic user
Greek	A1	Basic user	A2	Basic user	A1	Basic user	A2	Basic user	A2	Basic user

(*) Common European Framework of Reference for Languages

Related Activities:	14-25/09/2020 – Summer School *Sustainable Entrepreneurship Summer School*, - TUIASI funded by Romanian American Foundation 31/08 – 3/09/2020 - Training Digital Communication "Empower Your Online Public Speaking Competences", TUIASI - April -September 2008 – *research stage in doctoral studies at the National Superior School of Arts and Crafts ENSAM Paris, France*; - 2007 - 17- 27 February - Socrates / Erasmus -Teaching Staff Mobility in the National Superior School of Arts and Crafts in Paris, France; - 2005, 8-22 July Socrates / Erasmus - Teaching Staff Mobility, the Nova University of Lisbon, Portugal; - 2003 May: in Leonardo da Vinci project titled "Entrepreneurial University", University Pierre et Marie Curie Paris VI, France; - 2001- 2003 – member of Local BEST Group Iasi (BEST - Board of European Students of Technology) European association of students of higher technical education: - *coordination of the first magazine editing team* "BEST-IA-L" published by Local BEST Group Iasi (LBG), December 2001; - participation in *organizing summer courses 2003* (in technical creativity - July 2003); - participation in organizing a cultural exchange between LBG and LBG Iasi ENSTA Paris (May 2002); - participation in organizing the job fair *JobShop 2002*; - 2001, July 8 to 22 - participating in the BEST summer courses organized by the Technical University of Crete on "*Architectural Evolution of Chania*"; - 2001, *November: Social Marketing Seminars and Peer Education in Social Action, organized by the Association Lumen Science Iasi, funded by Ministry of Youth and Sports DJTS ;* - *2000, July 2 to 15: participating in the BEST summer courses organized by the Technical University of Crete, Greece on "Mild Technology in environmental protection";* - *2000, February 29-June 23*: *Socrates-Erasmus student*, Technical University of Crete, Greece - 1999 October-December*: Marketing research* initiated under, Tempus CME 03602-97 - June 1999 - member of the *JobShop* organized by the Centre for vocational guidance of the "Gheorghe Asachi " Technical University of Iasi; ○ 1999 September-October participating in summer courses organized framework TempusCME – 9.602.011 entitled "*Steps to career success*" with sections: *A. Management of small business marketing*
Research Contracts	National competition for young researchers **Project Manager** - *Theoretical and experimental research on complex erosion machining possibilities, electrical and electrochemical processing on a ram EDM machine, 2001-2002*, grant type S (MCT) theme B16, nr.7004/2001 transformed in type AT CNCSIS code 16, issue 115, contract 33479/2002; ***Project Manager*** *– Research on optimization of complex erosion machining, electrical and electrochemical*, 2002-2003, grant type TD CNCSIS, issue 3, cod 62/2002, contract no. 39593/6.11.2002; ***Project Manager*** *- Theoretical and experimental research on the phenomenology and optimization of hybrid machining process by electrochemical discharge assisted by ultrasound, Grant AT CNCSIS code 328, issue 58/2003 and 80/2004, 33371/29.06.2004 contract* ***Project Manager*** *- Theoretical and experimental research on the processing of small surface erosion complex electrical and electrochemical (grant CNCSIS TD, CNCSIS code 150), Period:2005-2006, totaling 10150 RON* ***Project Manager*** - grant winner with the project *"Researches concerning the optimization of electrochemical discharge machining process"*, as a result of the national competition for PhD students grants since September 2002
Conference participation	Effective participation with oral presentation to international scientific events: • International *Seminar Modern Technologies Impact on Sustainable Development, Chișinău – Moldova Republic, February* 2002; • *International Conference of Integrated Engineering C2I, 2002, Timişoara*; • *Modern Technologies, Quality, Reorganization Conference TMCR* organized by Gheorghe Asachi Technical University of Iasi and Technical University of Moldova Republic, *2002* - Iaşi, *June 2003 – Kishinew, 2004* - Iaşi,*2006* – Iasi; • *IMT Conference,* organized by University of Oradea: *2002, 2007*; • *"Machine-Building and Technosphere of the XXI century" International Conference Sevastopol, Ucraina,* organized by Technical University of Donetsk: *2002*, *2003, 2004, 2006, 2010.* • *PRASIC 2002*, International Symposium, *Braşov, 2002;* • 3rd *International Seminar of Quality Management in Higher Education, Iasi, 2004*, organized by *CETEX -Iasi*; • *International Conference of Nonconventional Technologies,* organized by Romanian Association on Nonconventional Technologies: *2005 - Politehnica University of Bucharest*, *2007 - Iasi, 2009*, University of Oradea, 2016- Technical University of Chisinau, Moldova Rep., 2018- University Politehnica of Timisoara, 2019- University Politehnica of Bucharest; • *Scientific Communication Session of Modern Technologies,* organized by Military Technical Academy, Bucharest, 2005; • 7th *International Conference of Modern Technologies in Manufacturing, Cluj - Napoca, 2005*; • International Conference on Manufacturing Science and Education - MSE - Trends in Engineering and

	Academic Education, at „Lucian Blaga" University of Sibiu - 2007, 2009; • *International Aegean Conference on Electrical Machines and Power Electronics*, *ACEMP'07 - ELECTROMOTION'07 Joint Meeting*, IEEE Conference, 2007, Bodrum, Turkey; • International *DAAAM Symposium "Intelligent Manufacturing & Automation"*: 2007 – University Zadar - Croatia, 2008 - Trnava, Slovakia; • *The 7th International Conference Coatings in Manufacturing Engineering and 3rd International Conference on Manufacturing Engineering (ICMEN),* 2008, Chalkidiki, Greece; • *International Conference WSEAS on EDUCATION and EDUCATIONAL TECHNOLOGY (EDU'08)* 21-23 *November*, 2008, Venice, Italy; • *The 15- th International Conference* TEHNOMUS *XV*, *Suceava* 2014, 2017, 2019, 2021-online; • *The 2nd International Conference on Polymers Processing in Engineering*, PPE 2009, 2015, 2019 – Dunarea de Jos University of Galaţi; • *International ESAFORM Conference on Material Forming:* 2008, INSA Lyon, France, *2009*, *Enschede - University of Twente, Netherlands,* 2010 - *University of Brescia* – Italy, *2011 - Queen's University of Belfast, UK, 2012 - Frederich Alexander Erlangen-Nuremberg University, Germany, 2013 - University of Aveiro, Portugal, 2015 - University of Graz, Austria, 2018- University of Palermo, Sicily – Italy, 2019* – Mondragon Unibertsitatea, Vitoria Gasteiz - Spain, 2020 and 2021 – online. • *International Conference of MODTECH* 2009- 2012, *as participant and organizer.* • *CIRP Conference on Electro Physical and Chemical Machining – ISEM*, 2013- University of Leuven, Belgium. 2016 – University of Tokyo, Japan.
Social skills and competences	Team spirit, capacity to adapt to multicultural environments, gained through experience in European student organization BEST and during the studying and research internships abroad (Greece, France), short-term teaching international mobilities.
Organizational skills and competences	Good experience in project management, leadership and team-work as member of research projects, students and professional associations, respectively of organizing committees for international conferences: ICNcT2007, Modtech 2009 -2012, DTMM2010, IMANEE 2021, ESAFORM - Minisymposium of Nontraditional Technologies (2015, 2020, 2021)
Technical skills and competences	*-good knowledge of processes and processing equipment for nontraditional technologies, machining methods, surface engineering*
Computer skills	Microsoft Office (Word, Excel, PowerPoint), Matlab, AutoCad, SolidWorks, SolidCAM
Driving license	Category B
Publications	Web of Science ResearcherID P-5676-2014, SCOPUS author ID: 8601562700, ORCID 0000-0003-0443-1441

Informaţii personale



Nume / Prenume	Nedelcu Dumitru
Data naşterii	06/07/1967
Locul de muncă **Poziţia**	Universitatea Tehnică „Gheorghe Asachi” din Iași (TUIASI) Profesor univ.dr.ing.ec. Doctor Honoris Causa al Universității „Alecu Russo” din Bălți, Republica Moldova

Educație și formare

Perioada	**1994-1998**
Calificarea / diploma obținută	**Doctor în inginerie industrială** / Diplomă de doctor, Seria R Nr. 0002626, emisă în baza ordinului Ministrului educației naționale nr. 3772/05.05.1999
Numele şi tipul instituţiei de învăţământ/ furnizorului de formare	Universitatea Tehnică “Gheorghe Asachi” din Iaşi
Perioada	**1987-1992**
Calificarea / diploma obținută	**Inginer /Diploma de inginer** în profilul Mecanic, specializarea Tehnologia Construțiilor de Mașini, Seria K, Nr. 14026, emisă de Institutul Politehnic “Gh. Asachi” Iaşi, Facultatea de Tehnologia Construcțiilor de Mașini
Numele şi tipul instituţiei de învăţământ/ furnizorului de formare	Institutul Politehnic “Gh. Asachi” Iaşi, Facultatea de Tehnologia Construcțiilor de Mașini
Perioada	**1992-1998**
Calificarea / diploma obținută	**Economist / Diploma de licență** în profilul Economic, specializarea Management în Industrie, Seria R, Nr. 0020558, emisă de Universitatea Al. I. Cuza din Iași, Facultatea de Științe Economice
Numele şi tipul instituţiei de învăţământ/ furnizorului de formare	Universitatea “Al. I. Cuza” din Iași
Perioada	**2002-2003**
Calificarea / diploma obținută	**Expert în management general** şi consultanţă pe domeniile managementului industrial, Atestat Seria 945/36/11.06.2003

Numele şi tipul instituţiei de învăţământ/ furnizorului de formare	Universitatea "Politehnica" din Bucureşti, Asociaţia de Terotehnică şi Terotehnologie din Bucureşti, Academia de Studii Economice din Bucureşti.

Experiență profesională

Perioada	**1.10.2007-în prezent**
Funcția sau postul ocupat	**Profesor universitar doctor inginer**
Activități și responsabilități principale	Activităţi de curs, laborator şi proiect la disciplinele: Tehnologii de Mecanică Fină şi Nanotehnologii, Managementul proiectelor de fabricaţie industrială, Tehnologii speciale de deformare plastică.
Numele și adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi, Facultatea Construcţii de Maşini şi Management Industrial, Bd. Mangeron nr. 59A, 700050 Iași, România
Tipul activității sau sectorul de activitate	Activitate didactică și de cercetare
Perioada	**29.03.2003-1.10.2007**
Funcția sau postul ocupat	**Conferenţiar doctor inginer**
Activități și responsabilități principale	Activităţi de curs, laborator şi proiect la disciplina de Tehnologii de Mecanică Fină şi activitate de curs la disciplina Managementul economico-financiar
Numele și adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi, Facultatea Construcţii de Maşini şi Management Industrial, Bd. Mangeron nr. 59A, 700050 Iași, România
Tipul activității sau sectorul de activitate	Activitate didactică și de cercetare
Perioada	**01.03.1999-29.09.2003**
Funcția sau postul ocupat	**Şef lucrări doctor inginer**
Activități și responsabilități principale	Activităţi de curs, laborator şi proiect la disciplina de Tehnologii de Mecanică Fină
Numele și adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi, Facultatea Construcţii de Maşini şi Management Industrial, Bd. Mangeron nr. 59A, 700050 Iași, România
Tipul activității sau sectorul de activitate	Activitate didactică și de cercetare
Perioada	**1.10.1995-1.03.1999**
Funcția sau postul ocupat	**Asistent universitar**
Activități și responsabilități principale	Activităţi de laborator şi proiect la disciplina Tehnologia construcţiilor de maşini
Numele și adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi, Facultatea Construcţii de Maşini şi Management Industrial, Bd. Mangeron nr. 59A, 700050 Iași, România
Tipul activității	Activitate didactică și de cercetare
Perioada	**01.03.1993-1.10.1995**
Funcția sau postul ocupat	**Preparator**
Activități și responsabilități	Activităţi de laborator şi proiect la disciplina Tehnologia construcţiilor de maşini

principale	
Numele și adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi, Facultatea Construcţii de Maşini şi Management Industrial, Bd. Mangeron nr. 59A, 700050 Iași, România
Tipul activității sau sectorul de activitate	Activitate didactică și de cercetare
Perioada	**aprilie 1999-în prezent**
Funcția sau postul ocupat	**Membru asociat** al Academiei Oamenilor de Stiinţă din România (AOSR) Secţia Ştiinţe Tehnice
Perioada	**Iunie 2024-în prezent**
Funcția sau postul ocupat	**Membru corespondent** al Academiei Oamenilor de Stiinţă din România (AOSR) Secţia Ştiinţe Tehnice
	Iunie 2021-Iulie 2023
	Membru asociat al Academiei de Stiințe Tehnice din România (ASTR) Secţia Inginerie mecanică
	Iulie 2023-în prezent
	Membru corespondent al Academiei de Stiințe Tehnice din România (ASTR) Secţia Inginerie mecanică

Experiență managerială

Perioada	**2020-în prezent**
Funcția sau postul ocupat	**Membru Comisia de Inginerie și Managementul Producţiei**
Numele și adresa angajatorului	Consiliul Naţional de Atestare a Titlurilor, Diplomelor si Certificatelor Universitare (CNATDCU)
Perioada	**2016-2020**
Funcția sau postul ocupat	**Membru Comisia contestații – Comisia de inginerie industrială și management**
Numele și adresa angajatorului	Consiliul Naţional de Atestare a Titlurilor, Diplomelor si Certificatelor Universitare (CNATDCU)
Perioada	**Aprilie 2011-Septembrie 2012**
Funcția sau postul ocupat	**Membru Comisia de inginerie industrială și management**
Numele și adresa angajatorului	Consiliul Naţional de Atestare a Titlurilor, Diplomelor si Certificatelor Universitare (CNATDCU)
Perioada	**Martie 2018-Septembrie 2020**
Funcția sau postul ocupat	**Director Şcoala Doctorală TUIASI**
Numele și adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi (TUIASI)
Perioada	**2018-2020**
Funcția sau postul ocupat	**Preşedinte al Comitetului de Organizare** al Conferinţei Şcolii Doctorale a TUIASI
Numele și adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi.
Perioada	**2018-în prezent**
Funcția sau postul ocupat	**Coordonator MOU**, (Memorandum of Understanding) între TUIASI şi Universitatea Sileziană de Tehnologie din Gliwice, Polonia (SUT).
Numele și adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi
Perioada	**2019-în prezent**
Funcția sau postul ocupat	**Coordonator MOU**, Laboratorul de Mecanică Fină şi Nanotehnologii, Departamentul de Tehnologia Construcţiilor de Maşini, Facultatea Construcţii de Maşini şi Management Industrial şi Tribology Lab, Engineering Department,

	University of Monterrey, Mexic.
Numele și adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi
Perioada	**2019-în prezent**
Funcția sau postul ocupat	**Coordonator MOU**, Laboratorul de Mecanică Fină şi Nanotehnologii, Departamentul de TCM, Facultatea CMMI şi Laboratories of Ma.Te.R.G. (Manufacturing Technology Research Group), Department of Industrial Engineering, Tor Vergata University of Rome, Italia.
Numele și adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi
Perioada	**2019-în prezent**
Funcția sau postul ocupat	**Coordonator MOU**, Laboratorul de Mecanică Fină şi Nanotehnologii, Departamentul de Tehnologia Construcţiilor de Maşini, Facultatea Construcţii de Maşini şi Management Industrial şi Materials Research Laboratory, Faculty of Mechanical Engineering, Silesian University of Technology, Gliwice, Polonia.
Numele și adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi
Perioada	**2019-în prezent**
Funcția sau postul ocupat	**Coordonator MOU**, Asociația Profesională în Tehnologii Moderne de Fabricație (ModTech) și Academia de Științe Tehnice din România (ASTR).
Numele și adresa angajatorului	
Perioada	**2019-în prezent**
Funcția sau postul ocupat	**Coordonator MOU**, Asociația Profesională în Tehnologii Moderne de Fabricație (ModTech) și Academia Oamenilor de Știință din România (AOSR).
Numele și adresa angajatorului	
Perioada	**2018-în prezent**
Funcția sau postul ocupat	**Coordonator MOU**, Asociația Profesională în Tehnologii Moderne de Fabricație (ModTech) și Asociația Generală a Inginerilor din România (AGIR).
Numele și adresa angajatorului	
Perioada	**2015-în prezent**
Funcția sau postul ocupat	**Coordonator MOU** (Memorandum of Understanding) între Laboratorul de Mecanică Fină şi Nanotehnologii (TMFNT) TUIASI şi Laboratorul de Inginerie al Universităţii din Ulsan, Coreea de Sud.
Numele și adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi
Perioada	**2009-2012**
Funcția sau postul ocupat	**Preşedinte al Comitetului de organizare** la Conferinţa Internaţională ModTech-New face of TMCR, **4 ediţii Conferinţe indexate WoS.**
Numele și adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi
Perioada	**2009-în prezent**
Funcția sau postul ocupat	**Preşedinte, Asociaţia Profesională în Tehnologii Moderne de Fabricaţie, ModTech, cu peste 400 de membri şi 13 filiale în străinătate.**
Numele și adresa angajatorului	

Perioada	**2013-în prezent**
Funcția sau postul ocupat	**Preşedinte/Preşedinte comitet organizare**, Conferinţa Internaţională Tehnologii Moderne în Ingineria Industrială, ModTech, **7 ediţii Conferinţe indexate WoS.**
Numele și adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi
Perioada	**2007-2008**
Funcția sau postul ocupat	**Membru al Consiliului Academic** din Universitatea Tehnică "Gheorghe Asachi" din Iaşi.
Numele și adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi
Perioada	**2004-2008**
Funcția sau postul ocupat	**Director al Departamentului de Programe** Coordonator al specializării de master în Managementul Proiectelor, curs recunoscut de Project Management Romania (afiliată la IPMA) în perioada iunie 2006-iunie 2008.
Numele și adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi
Perioada	**2012-2024**
Funcția sau postul ocupat	**Membru al Senatului**
Numele și adresa angajatorului	Universitatea Tehnică "Gheorghe Asachi" din Iaşi
Perioada	**1999-2006**
Funcția sau postul ocupat	**Consilier UGIR1903 Iaşi**
Numele și adresa angajatorului	Uniunea Generală a Industriașilor din România, Filiala Iași.
Perioada	**2000-2003**
Funcția sau postul ocupat	**Membru în Consiliul de Adminsitraţie al SC Agmus SA**
Numele și adresa angajatorului	SC Agmus SA
Perioada	**2010-2013; 2005-2008**
Funcția sau postul ocupat	**Membru în Consiliul de Administraţie al AJOFM Iaşi**
Numele și adresa angajatorului	Agenția județeană pentru ocuparea forței de muncă, Iaşi

Aptitudini și competențe personale

Limba maternă	Română
Limba(i) străină(e) cunoscută(e)	

Autoevaluare	Înțelegere				Vorbire				Scriere	
Nivel european (*)	Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
Engleză	C1	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator experimentat

(*) Nivelul cadrului European Comun de Referință pentru Limbi Străine

Conducător de doctorat	**-Conducător de doctorat I.O.S.U.D. Universitatea Tehnică „Gheorghe Asachi" din Iași,** Domeniul inginerie industrială conform Ordinului Ministrului Educației, Cercetării, Tineretului și Sportului Nr. 4631/11.08.2010; **-Conducător de doctorat, Universitatea Tehnică a Moldovei, Chișinău, Republica Moldova,** Școala Doctorală Inginerie Mecanică și Civilă, Specialitatea 242.05. Tehnologii, procedee și utilaje de prelucrare, conform Ordinului

	Ministerului Educației, Culturii și cercetării al Republicii Moldova Nr. 1379/14.09.2018;
Număr doctoranzi în stagiu/număr doctori	**10 doctoranzi în stagiu sau prelungiri / 11 doctori** (8 doctoranzi înregistrați la TUIASI, 1 doctoranzi în cotutelă cu Universitatea Maritimă din Constanța, 1 doctorand la Universitatea Tehnică a Moldovei, Chișinău, Republica Moldova, 3 doctoranzi in cotutela cu SUT, Gliwice, Polonia).
Domenii de cercetare	Tehnologii de prelucrare prin injectare și printare 3D, caracterizarea materialelor polimerice și biodegradabile.
Competențe și aptitudini organizatorice	-Spirit de echipă, capacitate de negociere și comunicare; -Leadership, capacitate organizatorică, management de proiect, capacitate de analiză și sinteză, competențe decizionale în situații de risc; -Inființarea și coordonarea Laboratorului de Mecanică Fină și Nanotehnologii din cadrul Facultății de Construcții de Mașini și Management Industrial, Universitatea Tehnică „Gheorghe Asachi" din Iași, laborator cu certificare ISO 9001 și recertificare ESYD Grecia în perioada 25.06.2008-25.06.2011; -Organizarea a 14 ediții ale unor Conferințe Internaționale dintre care 10 ediţii au fost indexate WoS; -Organizarea a 5 seminarii/workshop-uri.
Competențe și aptitudini de utilizare a calculatorului	Nivel de cunoaștere foarte bun a sistemelor de operare Windows și a pachetelor Microsoft Office. Utilizator al pachetului software Moldflow.
Stagii de cooperare internațională	**2017-în prezent**: **Visiting Profesor**: Universitatea Silezială de Tehnologie din Gliwice, Polonia; **2021-în prezent**: **Visiting Professor**, Alecu Russo University of Balti, Republic of Moldova; **Noiembrie 2024,** Universitatea Tor Vergata din Roma, Italia **Iulie 2024,** Universitatea Western Macedonia, Kozani, Grecia, **July 2023: Expert străin**, SVNIT, Surat, India; **Octombrie-noiembrie 2019,** Stagiu predare Erasmus, Universitatea din Monterrey, Mexic. **Iunie 2019,** Stagiu de predare Erasmus, Universitatea din Parma, Italia. **Mai 2018,** Stagiu de predare Erasmus, Universitatea Silezială de Tehnologie din Gliwice, Polonia. **Mai 2017,** Stagiu de predare Erasmus, Universitatea Silezială de Tehnologie din Gliwice, Polonia. **Mai 2016, Profesor invitat-cercetare**: Institutul de Tehnologie din Grenoble, Franța. **Iulie 2015, Profesor invitat:** Universitatea din Osaka, Japonia. **August-Septembrie 2012, Profesor invitat**: TAT, Institutul de Inginerie din Tokyo, Japonia. **Octombrie 2012, Profesor invitat**: European Project FSD-76/RMT-0/2010, Silesian University of Technology, Gliwice, Poland. **Aprilie – Septembrie 1999, Bursier al Guvernului României**, Universitatea Politehnica din Madrid, Spania.

Noiembrie -Decembrie 1999, Stagiu de documentare pe tema *Metodelor moderne de control în construcţii de maşini*, Universitatea Politehnica din Madrid, Spania.
Ianuarie-Aprilie 1996, Bursier Tempus-Uniunea Europeană, Universitatea Politehnica din Madrid, Spania.

Informaţii suplimentare

Gradul îndeplinirii standardelor minimale CNATDCU

Domeniul Inginerie industrială
Minim condiții de profesor: 530 puncte;
Punctaj obținut: 6340,91 puncte

Contracte, granturi, propuneri de proiecte

Proiecte de cercetare-dezvoltare: 32;
- Director/Responsabil/Coordonator - 14;
- Membru în echipa de cercetare, pe bază de contract/grant **–** 18;

Activitate publicistică, ştiinţifică, în foruri academice

Cărţi/Capitole cărţi/Cărţi ca editor: 41
- Cărţi/capitole în cărţi publicate/acceptate spre publicare, edituri din străinătate- 10;
- Cărţi si capitole în cărţi publicate/acceptate spre publicare, edituri din ţară – 20;
- Cărți publicate/acceptate spre publicare ca editor – 11;
Brevete acordate – 4
Lucrări științifice: 221
- Lucrări publicate/acceptate spre publicare în reviste cotate WoS – 45;
- Lucrări publicate/acceptate spre publicare în WoS Proceedings – 43;
- Articole publicate în jurnale indexate în alte baze de date – 38;
- Articole publicate în alte jurnale – 34;
- Lucrări publicate în alte Proceedings de conferinţe internaţionale – 61;
Hirsh index: Hirsh index WoS – 11; Hirsh index Scopus – 13; Hirsh index Google Scholar – 17.

Organizare de conferințe, simpozioane, seminarii, work-shopuri

Organizare conferințe/ seminarii/work shop-uri – 24
Conferințe indexate WoS: 11
-4 ediții indexate WoS - Conferința Internațională ModTech - New Face of TMCR, 2009-2012;
-7 ediții indexate WoS - Conferința internațională ModTech, 2013-2020, publicare în numere speciale ale unor jurnale WoS cu factor de impact și WoS Proceedings;
Conferințe BDI: 7
-3 ediții ale Conferinței Scolii Doctorale a Universității Tehnice "Gheorghe Asachi" din Iași: publicare în Buletinul Institutului Politehnic din Iași;
-4 ediţii ModTech2014, publicare AMR-Elveţia, indexare Scopus etc.
Organizare seminarii/work shop-uri – 5
-Iunie 2002, Iaşi, Seminar internațional pe proiectul Leonardo da Vinci RO/01/B/F/PP141119-2003 cu particip[ri din România, Marea Britanie, Franța și Olanda;
-13 noiembrie 2018, seminarul cu agenți economici *Parteneriate în cercetare, dezvoltare și inovar*e în cadrul Școlii doctorale a Universității Tehnice "Gheorghe Asachi" din Iași;
-5 iunie 2019, seminarul cu agenți economici *Parteneriate în cercetare, dezvoltare și inovar*e în cadrul Școlii doctorale a Universității Tehnice "Gheorghe Asachi" din Iași;
-Iunie 2019 workshop pe proiectul PCCDI 82/2019 FAMCRIA;
-aprilie 2015, *Technologies for unconventional materials,* Universitatea

	"Dunărea de Jos" din Galaţi, Facultatea de Mecanică, 30 aprilie 2015; CNCSIS; CEEX, INTAS (Uniunea Europeană) – ERA NET
Referent ştiinţific, membru în comisii de doctorat, concurs etc.	**-Membru în comisii de doctorat – 45;** **-Reviewer extern teze de doctorat - 10** (2 la Institutul Național de Tehnologie din Surat-India, 1 la Universitatea Tor Vergata din Roma-Italia, 2 la Universitatea Putra din Malaysia, 2 la Universitatea Silesiană de Tehnologie din Gliwice, Polonia; 4 în UPM-Malaysia, 2-Moldova); **- Membru în comisii de doctorat – susținere examene, proiecte cercetare, rapoarte – 60;** **- Membru în comisii de concurs cadre didactice, conferențiar, profesor s.a.–15** (2 cercetători angajați pe proiectul PNIII PCCDI2018/82, 5 – conferențiari, 3-profesori, 1 comisie de concurs, Republica Moldova, 2-asistenti TUIASI, 2-abilitări); **- Membru în comisia de specialişti pentru acordarea titlului de DHC - 3**
Membru în comitete ştiinţifice, editorial board, guest editor etc.	**Comitete ştiinţifice ale unor reviste şi manifestări ştiinţifice – 27** **Editor Şef – 5;** -jurnale indexate în alte baze de date (Scopus ş.a): 1 jurnal Elveția, 1 jurnal în Australia, 2 jurnale în România, 1 jurnal în SUA; **Editor - 9 -** jurnale WoS cu factor de impact, jurnale BDI, WoS Proceedings; **Editor invitat – 8 -** jurnale WoS cu factor de impact, jurnale BDI, WoS Proceedings; **Reviewer - 9** jurnale cotate WoS cu factor de impact, **9** jurnale indexate în alte baze de date, **5** conferinţe indexate WoS şi la alte **3** conferinţe internationale **Referent ştiinţific** la **8** cărţi.
Plenary/Keynote/Invited Speaker	**36 -** Prelegeri la diferite Conferințe internaționale din România, Malaysia Japonia, Israel, Corea de Sud, Spania, Serbia, China, Ucraina, Polonia, India, Mexic, Turcia, SUA, Franța.
Participări la Conferințe Internaționale /Seminarii/ Workshop-uri	**67 -** România, Spania, SUA, Japonia, China, Polonia, Germania, Serbia, Ucraina, Muntenegru, Republica Moldova, Grecia, Slovacia, Croaţia, Austria, Slovenia, Belgia, Franţa, Olanda, Danemarca, Marea Britanie, Israel, Malaysia, Corea de Sud, Irlanda, India, Mexic, Turcia, Franța.
Apartenența la organizații profesionale	-Președinte al Asociației Profesionale în Tehnologii Moderne de fabricație, ModTech, cu 13 filiale în străinătate, persoană juridică de drept privat, profesională, neguvernamentală, cu caracter nepatrimonial, înființată la Judecătoria Iași cu număr certificat de înscriere 158/A/15.09.2009; -Membru în asociații profesionale naționale și internaționale – 9;
Premii, medalii și distincții	Premii obținute pe lucrări – 18; Premii la Saloane de Invenţii/Conferinţe Internaţionale – 10.

19.10.2025

Prof.univ.dr.ing.ec. Dumitru Nedelcu, dr.h.c.
m.c. ASTR, AOȘR

Universitatea Tehnică "Gheorghe Asachi" din Iași
Facultatea Construcții de Mașini și Managament industrial

PERSONAL INFORMATION

Vasile MERTICARU



"Gheorghe Asachi" Technical University of Iaşi,
Faculty of Machine Manufacturing and Industrial Management
Department of Machine Manufacturing Technology
Bd. Mangeron 59A, Iaşi - 700050
- (++40-723)940041
vasile.merticaru@academic.tuiasi.ro ; v_merticaru_jr@yahoo.com
https://www.tuiasi.ro/
http://www.tcm.cmmi.tuiasi.ro/member/vasile-merticaru/

Sex M | Date of birth 01/06/1970 | Nationality Romanian

JOB APPLIED FOR / POSITION PREFERRED / JOB STUDIES APPLIED FOR

Academic position of course organizer for the courses:
Advanced Manufacturing Automation Processes
Sustainable Product Development
within ***Intelligent Manufacturing and Automation*** Master program

WORK EXPERIENCE

Since 1st Oct. 1996

Head of the Department of Machine Manufacturing Technology **(15.12.2023 - 04.04.2024),** re-elected for **2024-2029**
Vice-Dean of the Faculty of Machine Manufacturing and Industrial Management **(2012-2016)**

Associate professor (since 16th Febr. 2009),
Lecturer (24th Febr. 2003 – 16th Febr. 2009),
Assistant professor (1st March 1999 – 24th Febr. 2003),
Permanent doctoral student (1st Oct. 1996 – 1st March 1999)
"Gheorghe Asachi" Technical University of Iaşi,
Faculty of Machine Manufacturing and Industrial Management
Department of Machine Manufacturing Technology
Bd. Mangeron 59A, Iaşi - 700050

- Teaching and research activities within the Faculty of Machine Manufacturing and Industrial Management, Department of Machine Manufacturing Technology, within the School for High Post-universitary Studies and within the Authorized Centre ECDL from the same faculty.

1st Dec. 1995 – 1st Oct. 1996

Business or sector Engineering Education in Industrial Engineering
Technological engineer within the *Department for New Products Assimilation*
S.C. ASAM S.A. Iaşi,
Str. Aurel Vlaicu 77, Zip Code 700381, Iasi, Romania,
Tel: (40-232)215515, Fax: (40-232)270930, office@asam.ro

- Coordination and monitoring activities in production ramp-up and homologation of new products, especially from those exported to German companies JOST and WIHAG.

Business or sector General mechanical manufacturing, mainly automotive spare-parts and sub-assemblies

EDUCATION AND TRAINING

Oct.1996 – Oct.2003

PhD Diploma in the field of *Industrial Engineering*, Seria C no. 0002890 / 16.06.2004 ISCED 8
t
"Gheorghe Asachi" Technical University of Iaşi,
Faculty of Machine Manufacturing
Department of Machine Manufacturing Technology

- advanced research in the field of Industrial Engineering

1996 – 1997 **Graduating certificate Seria A no. 0000068/ 11.02.2009**

University "Al. I. Cuza" University of Iaşi, Department for Teaching Staff Training

- pedagogy; specialty methodics; scholar psychology; logics; sociology; docimology

1996 **Graduating certificate seria P no. IS1974 / 19.06.1996**

Centre for training in Computer Science of Iaşi

- Use of computers IBM-PC compatible

Oct.1994 – July1995 **Diploma of Approfounded Studies Seria A no. 000178 / 23.01.1996, in the specialty *Non-conventional Technologies and Workability of Materials*** ISCED 7

"Gheorghe Asachi" Technical University of Iaşi,

Faculty of Machine Manufacturing

- Optimization of Technological Processes
- Non-conventional Technologies
- Workability of Materials
- Modelling and Simulation of Technological Processes
- Programming of Experiments and Statistical Processing of Experimental Data

Oct. 1989 - July1994 **Diploma of Bachelor Degree, Seria M nr. 029359 / 21.09.1994, in the specialty *Machine Manufacturing Technology*** ISCED 6

"Gheorghe Asachi" Technical University of Iaşi,

Faculty of Machine Manufacturing

- Applied mathematics
- Technological physics
- Computer use and programming
- Computer-aided design
- Machining and abrasive machining technologies
- Cold plastic forming technologies
- Non-conventional technologies
- Welding technologies

1984 – 1988 **Baccalaureate Diploma, Seria G nr. 109394 / 3.07.1988** ISCED 3

"Dimitrie Cantemir i" High School, Iasi

-

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1-Proficient user	C1- Proficient user	C1- Proficient user	C1- Proficient user	C2- Proficient user
	Replace with name of language certificate. Enter level if known.				
Spanish	B2- Independent user	B2- Independent user	B2- Independent user	B1- Independent user	A2- Basic user
	Replace with name of language certificate. Enter level if known.				
French	B1- Independent user	B1- Independent user	A2- Basic user	A1- Basic user	A1- Basic user

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

Teamworking abilities:

- experience in teamworking as a student, when I participated in practical and research group projects;
- researcher, member of research team, in more than 30 grants and research projects.

Good communication abilities – developed all along the professional and teaching activity.

Ability to adapt to multi-culture environment, obtained by the experience of abroad stages:

02/09/2009 - 07/09/2009 - Aalborg Universitet Esbjerg, Esbjerg Institute of Technology, Danemarca
06/09/2013 - 13/09/2013 - Universidad de Valladolid, Escuela de Ingenierías Industriales, Spania
03/09/2014 - 10/09/2014 - Universita degli Studi di Udine (I UDINEO1), Italia
13/04/2015 - 16/04/2015 - Universita degli Studi di Modena e Reggio Emilia (I MODENAO1), Italia
13/05/2016 - 19/05/2016 - Universita Federico II (I NAPOLIO9), Italia

Strong wish for social-professional self-improvement

Altruism and generosity.

Organisational / managerial skills

Experience in project management and team management.

- Since 2007, as Senior engineer – coordinator of the team for economic-financial management, in the team of the "Gh. Asachi" Technical University of Iaşi, as partner in the Framework Program 7 - FP7 (2007-2010): Project number 218940; Project title: ARCHIMEDES—Achieving Real Change with Innovative Transport Measures Demonstrating Energy Savings; Call (part) identifier: FP7-SST-2007-TREN-1_28June; Funding scheme - Collaborative project;

Organizational skills - Organizer of international scientific meetings:

- International Conferences TMCR-2002, TMCR-2004, TMCR-2006, TMCR-2008, ModTech2009, ModTech2010, ModTech2011, ModTech2012, DTMM-2010, ImanE 2013, ImanE 2014 , ImanE 2015, ImanEE 2016; ImanEE 2017; ImanEE 2018; ImanEE 2019, ImanEE 2020, ImanEE 2021, ImanEE 2024 - member in the secretariat and/or in the organizing committee and/or editor

Job-related skills

Experience and competences in national policies for Engineering Education:

- National Expert responsible for describing the qualification of Welding Engineering within the National Qualification Frame for Higher Education - member in the project DOCIS (2009) - "Development of an Operational System of Qualifications from the Higher Education in Romania"

Computer skills

Computing systems (user);
Use of Operation systems and utilitary software Microsoft (Windows, Excel, Word, PowerPoint, Access);
Use of Internet and e-mail application
CAD – SolidWorks, Solid Edge, CATIA v5.
CAM for Robots (RobotStudio; RoboDK)
Computerized processing of experimental data (DataFit);
Numerical modeling and simulation; MATLAB Programming;
Databases

Other skills

- -

Driving licence

- B, C

ADDITIONAL INFORMATION

Publications

Author/co-author of 18 published books (5 as first author),

Presentations

-other 6 chapters published in books (3 as first author),

Projects

-215 scientific papers communicated and published in the country or abroad (88 as first or single author) (3 papers **Q2** -1 first autor).

Conferences

Seminars

-

Honours and awards

Memberships

References

References can be available at demand

Date: 15.10.2025
Signature: **MERTICARU Vasile**

europass	
Curriculum vitae Europass	
Informaţii personale	
Nume / Prenume	**DODUN-DES-PERRIERES, Oana**
E-mail(uri)	oanad@tcm.tuiasi.ro; oanadodun@yahoo.com ; oana.dodun-des-perrieres@academic.tuiasi.ro
Naţionalitate(-tăţi)	Română
Sex	Feminin
Locul de muncă	Universitatea „Gheorghe Asachi" din Iaşi Facultatea: Construcţii de Maşini şi Management Industrial
Experienţa profesională	
Perioada	***1:*** 2014 - prezent: ***2:*** 2007-2014, ***3:*** 2004-2007, ***4:*** 1999-2004
Funcţia sau postul ocupat	***1:*** profesor, ***2:*** conferențiar, ***3:*** şef lucrări, ***4:*** asistent
Activităţi şi responsabilităţi principale	Cadru didactic, Cercetător
Numele şi adresa angajatorului	Departamentul Tehnologia Construcţiilor de Maşini, Facultatea Construcţii de Maşini şi Management Industrial, Universitatea „Gheorghe Asachi" Iaşi
Tipul activităţii sau sectorul de activitate	Educaţie/activitate didactică şi de cercetare ştiințifică
Realizări	**h-*index* Google Scholar = 9; h-*index* ISI Web of Science = 4; h-*index* Scopus = 4** 2017, Atestat de abilitare: *„Unele rezultate ale cercetării privind modelarea şi simularea proceselor de fabricare în ingineria industrială"* Am publicat un număr de 296 lucrări ştiinţifice din care: 57 lucrări publicate în reviste ISI (13) şi volume Proceedings ISI (44); 80 lucrări indexate în alte baze de date internaţionale; reviste (63) şi volume Proceedings (17); 159 lucrări publicate în reviste (34) sau volume Proceedings neindexate (125). Am publicat un număr de 15 cărţi (monografii, curs sau îndrumar de laborator); Am participat în 2 proiecte internaţionale ca membru al echipei de echipe interdisciplinare şi multinaţionale (FP6 BIOTIP, COOP-CT-2005-017991 şi FP7 ARCHIMEDES, SST-2007-TREN-1); Am fost director al unui număr de 3 proiecte de cercetare ştiințifică naţionale finanțate de guvernul României sau prin împrumut de la Banca Mondială sau Ministerul Educaţiei; Am participat la programul de formare susţinut de Universitatea de Tehnologie din Compiegne, Franţa în colaborare cu grupul Renault - formare necesară înfiinţării noii specializări de masterat CMPA de la Facultatea de Mecanică
Perioada	**1993-1999**
Funcţia sau postul ocupat	Inginer tehnolog secţie producţie
Activităţi şi responsabilităţi principale	Programare CNC (JAPT); proiectare şi verificare proiecte ştanţe şi matriţe; suport tehnic pentru execuţie dispozitive, ştanţe şi matriţe; protecţia muncii
Numele şi adresa angajatorului	Secţie SDV-uri, SC TEHNOTON SA, Calea Chişinăului, nr. 43, 700149, Iaşi
Tipul activităţii sau sectorul de activitate	Producator de echipamente, produse electromecanice si subansamble, maşini de gătit, maşini de spălat, de radio și televizoare
Realizări	Am introdus un sistem informatic pentru evidenţa operaţiilor în Secţia de SDV-uri, Tehnoton, Iaşi
Educaţie şi formare	
Perioada	**2012-2013**
Calificarea / diploma obţinută	Atestat
Disciplinele principale studiate / competenţe profesionale dobândite	Blended-Learning şi tehnologii educaţionale moderne pentru învăţământul universitar (Program postuniversitar de formare şi dezvoltare profesională continuă)
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Universitatea Tehnică din Cluj-Napoca, Departamentul pentru Educaţie Continuă, Învăţământ la Distanţă şi cu Frecvenţă Redusă, Centrul de Pregătire a Cadrelor Didactice în Tehnologii Informaţionale Moderne
Nivelul în clasificarea naţională sau internaţională	-
Perioada	**aprilie-iulie 2007**

Calificarea / diploma obţinută	Atestat
Disciplinele principale studiate / competenţe profesionale dobândite	Gestion de projet;Veille documentaire et capitalisation des connaissances;Création d'un produit ou service innovant;Management de la qualité; Analyse de la valeur;Propriété industrielle;-Communication professionnelle;Management et marketing de l'ínnovation;Outiles et methode pedagogiques;Decouverte du fonctionnement de la conception automobile chez Renault
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Université de Technologie de Compiègne, France
Nivelul în clasificarea naţională sau internaţională	-
Perioada	**septembrie-decembrie 2005**
Calificarea / diploma obţinută	-
Disciplinele principale studiate / competenţe profesionale dobândite	Stagiu de pregătire / cercetare: bursă Nicolae Titulescu pentru formarea de specialişti în vederea integrării în Uniunea Europeană
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Universitatea „Nova" din Lisabona, Portugalia
Nivelul în clasificarea naţională sau internaţională	-
Perioada	**1995-2000**
Calificarea / diploma obţinută	Doctor Inginer
Disciplinele principale studiate / competenţe profesionale dobândite	*„Contribuţii privind optimizarea tehnologiei de prelucrare prin electroeroziune cu cu fir"*
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Universitatea Tehnică „Gheorghe Asachi" din Iaşi
Nivelul în clasificarea naţională sau internaţională	Doctor Inginer – ISCED 6
Perioada	**1988-1993**
Calificarea / diploma obţinută	Inginer specializarea Tehnologia Construcţiilor de Maşini / Optimizare proceselor tehnologice
Disciplinele principale studiate / competenţe profesionale dobândite	Ştiinţe inginerești, Mecanica, Organe de Maşini, Toleranţe şi controlul calităţii, Bazele creaţiei tehnice, Tehnologia construcţiilor de maşini, Tehnologia presării la rece, Proiectarea tehnologică asistată de calculator, Bazele optimizării proceselor tehnologice
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Universitatea Tehnică „Gheorghe Asachi" din Iaşi
Nivelul în clasificarea naţională sau internaţională	Inginer - ISCED 5A
Aptitudini şi competenţe personale	
Limba(i) străină(e) cunoscută(e)	**Engleza, Franceza**

Autoevaluare	**Înţelegere**		**Vorbire**		**Scriere**
Nivel european (*)	Ascultare	Citire	Participare la conversaţie	Discurs oral	Exprimare scrisă
Limba engleza	C1	C1	B2	B2	B2
Limba franceză	B2	B2	A2	A2	A2

Competenţe şi abilităţi sociale	lucrul în echipă, capacitate de adaptare la medii multiculturale, abilităţi de comunicare şi organizare
Competenţe şi aptitudini organizatorice	experienţă în management de proiect și al echipei; management universitar; spirit organizatoric
Competenţe şi aptitudini tehnice	tehnologii neconvenţionale, programare maşini unelte CNC, proiectare dispozitive, ştanţe şi matriţe, management, management de proiect, analiza tehnică şi funcţională a produsului
Competenţe şi aptitudini de utilizare a calculatorului	MS Office, MATLAB, Mechanical Desktop, AutoLISP, PowerSHAPE, SolidWORKS etc. de la tehnoredactare până la modelarea și simularea sistemelor
Permis(e) de conducere	categoria B din anul 1988
Altele	campion național la modelism, clasa F3A în 1991; campion naţional universitar la tenis de câmp, dublu fete, 1989; basket, înot, zumba

20 octombrie 2025



Florin Negoescu

Data naşterii: 04/06/1974 | **Cetăţenie:** română | **Gen** Masculin | (+40) 740546786 |

florin.negoescu@academic.tuiasi.ro | www.cmmi.tuiasi.ro |

https://orcid.org/0000-0003-4187-0275 |

https://publons.com/researcher/675333/florin-negoescu/ |

https://scholar.google.com/citations?user=pvL9UwkAAAAJ&hl=ro |

https://www.linkedin.com/in/florin-negoescu-1a654b49/ |

Bulevardul Profesor dr. doc. Dimitrie Mangeron, 59 A, 700050, Iaşi, România

EXPERIENŢA PROFESIONALĂ

2016 – ÎN CURS – Iaşi, România

PRODECAN/FACULTATEA DE CONSTRUCŢII DE MAŞINI ŞI MANAGEMENT INDUSTRIAL – UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI" DIN IAŞI

- Coordonarea activită ii Comisiei de atribuire a burselor şi a biletelor ț de tabără;
- Evaluarea şi rezolvarea problemele studenţilor privind locurile bugetare, repartiţia locurilor în cămine, condiţiile de cazare etc.;
- Coordonarea activităților de tutoriat și consiliere a studenților;
- Coordonarea procesul de informatizare la nivel de facultate (updatarea informațiilor de pe pagina web a facultății și mediatizarea evenimentelor organizate în facultate);
- Promovarea imaginii facultății și organizarea de evenimente precum: prezentări de companii, concursuri școlare, vizite elevi etc;
- Coordonarea activității de întocmire a orarului la nivel de facultate;
- Încheierea de parteneriate cu mediul de afaceri, cu scopul organizării stagiilor de practică și a acțiunilor de recrutare a

studenților în vederea inserției acestora pe piața muncii; ◦ Organizarea și desfășurarea admiterii la studii de licență și master.

Învățământ | www.cmmi.tuiasi.ro

2013 – ÎN CURS – Iaşi, România

CONFERENŢIAR UNIVERSITAR/FACULTATEA DE CONSTRUCŢII DE MAŞINI ŞI MANAGEMENT INDUSTRIAL – UNIVERSI TATEA TEHNICĂ „GHEORGHE ASACHI" DIN IAŞI

Activităţi de curs şi aplicaţii la disciplinele:

- Tehnologia ştanţării şi matriţării de precizie
- Tehnologia ştanţării şi matriţării
- Managementul proiectelor tehnice ◦

Tehnologii de prelucrare mecanică

- Tehnologii și echipamente avansate de presare la rece. **Activităţi de**

cercetare în domeniul Inginerie industrială. Tehnologia Construcţiilor de Maşini | Învăţământ

2007 – 2013 – Iaşi, România

ŞEF LUCRĂRI UNIVERSITAR/FACULTATEA DE CONSTRUCŢII DE MAŞINI ŞI MANAGEMENT INDUSTRIAL – UNIVERSITAT EA TEHNICĂ „GHEORGHE ASACHI" DIN IAŞI

Tehnologia Construcţiilor de Maşini | Învățământ

2004 – 2007 – Iaşi, România

ASISTENT UNIVERSITAR/FACULTATEA DE CONSTRUCŢII DE MAŞINI ŞI MANAGEMENT INDUSTRIAL – UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI" DIN IAŞI

Tehnologia Construcţiilor de Maşini | Învățământ

2003 – 2004 – Iași, România
PREPARATOR UNIVERSITAR/FACULTATEA DE CONSTRUCŢII DE MAŞINI ŞI MANAGEMENT INDUSTRIAL – UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI" DIN IAŞI

Tehnologia Construcţiilor de Maşini | Învățământ

EDUCAȚIE ȘI FORMARE PROFESIONALĂ

1999 – 2005
DOCTORAT / DOCTOR ÎN INGINERIE INDUSTRIALĂ – UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI" DIN IAŞI

Titlul tezei de doctorat: *„Contribuţii teoretice şi experimentale privind tehnologia de deformare plastică la rece a membranelor ondulate"*

Domeniul (domeniile) de studiu

- Inginerie Industrială

Nivelul 8 CEC

02/2004 – 06/2004 – Valladolid, Spania
STAGIU POSTUNIVERSITAR DE CERCETARE/DEPARTAMENTO DE CIENCIA DE LOS MATERIALES E INGINERIA METALURGICA – E.T. S. INGINIEROS INDUSTRIALES DE LA UNIVERSIDAD DE VALLADOLID

- Participare la proiectul "Estimación del desgaste de la herramienta en operaciones de mecanizado" (Estimarea influenţei uzurii sculei în cazul operaţiilor de prelucrare mecanică).
- Activităţi de cercetare în "Laboratorio de Metrología y Calibración Dimensional" acreditat de "Entidad Nacional de Acreditación de España" (E.N.A.C.)

STUDII APROFUNDATE (INGINER SPECIALIST)/FACULTATEA DE CONSTRUCŢII DE MAŞINI ŞI MANAGEMENT INDUSTRIAL – UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI" DIN IAŞI

Titlul lucrării de disertaţie: *„Cercetări teoretice privind influenţa parametrilor geometrici ai membranelor ondulate asupra gradului de deformare a semifabricatului plan"* **Domeniul (domeniile) de studiu**

- Tehnologia finisării suprafețelor metalice Nivelul 7 CEC

1993 – 1998
STUDII DE LICENŢĂ (INGINER)/FACULTATEA DE CONSTRUCŢII DE MAŞINI ŞI MANAGEMENT INDUSTRIAL – UNIVERSIT ATEA TEHNICĂ „GHEORGHE ASACHI" DIN IAŞI

Titlul lucrării de licență: *„Proiectarea unei linii de montare automată a seringilor de unică folosinţă"*.

Domeniul (domeniile) de studiu

- Tehnologia Construcţiilor de Maşini Nivelul 6 CEC

STUDII LICEALE (BACALAUREAT) – Liceul Industrial nr.2

Domeniul (domeniile) de studiu

◦ Specializarea Mecanic întreţinere şi reparare utilaje din industria chimică şi petrochimică Nivelul 4 CEC

COMPETENȚE LINGVISTICE

Limbă(i) maternă(e): ROMÂNA **Altă limbă (Alte limbi):**

	COMPREHENSIUNE		VORBIT		SCRIS
	Comprehensiune orală	Citit	Exprimare scrisă	Conversație	
SPANIOLĂ	A2	A2	A2	A2	A2

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

COMPETENȚE DE CERCETARE

Director de proiect în proiecte de cercetare

1. PROGRAM DE CERCCETARE SI MODELARE A MEMBRANELOR METALICE ONDULATE RADIALE - CA FORMA NOUĂ DE ELEMENT SENSIBIL. Program tip AT, cod 28, tema 28, finanţat de C.N.C.S.I.S. în 2007 prin Contract nr. 33 GR / 23.05.2007;
2. PROGRAM DE CERCCETARE SI MODELARE A MEMBRANELOR METALICE ONDULATE RADIALE - CA FORMA NOUĂ DE ELEMENT SENSIBIL. Program tip AT, cod 28, tema 28, finanţat de C.N.C.S.I.S. în 2007 prin Contract nr. 77GR / 11.06.2008;
3. PROGRAM DE CERCETARE PRIVIND FABRICAREA SI COMPORTAREA TRADUCTOARELOR CU MEMBRANE SFERO ONDULATE. Grant CEEX – MODUL II, cod 59, finanţat de C.N.C.S.I.S. în 2006, 2007, 2008 prin Contract nr. 1451 / 03.04.2006;
4. CERCETĂRI TEORETICO-EXPERIMENTALE PRIVIND INFLUENŢA FACTORILOR TEHNOLOGICI ASUPRA CARACTERISTICII MEMBRANELOR METALICE OBŢINUTE PRIN HIDROFORMARE. Program tip AT, cod 349, tema 60, finanţat de C.N.C.S.I.S. în 2003 prin Contract nr. 33557 / 2003;
5. CERCETĂRI TEORETICO-EXPERIMENTALE PRIVIND INFLUENŢA FACTORILOR TEHNOLOGICI ASUPRA CARACTERISTICII MEMBRANELOR METALICE OBŢINUTE PRIN HIDROFORMARE. Program tip AT, cod 349, tema 84, finanţat de C.N.C.S.I.S. în 2004 prin Contract nr. 33371 / 29.06.204;
6. CONTRIBUŢII TEORETICE ŞI EXPERIMENTALE PRIVIND TEHNOLOGIA DE DEFORMARE PLASTICĂ LA RECE A MEMBRANELOR ONDULATE. Program tip TD, cod 95, tema 70, finanţat de C.N.C.S.I.S. în 2003 prin Contract nr. 33557 / 2003.

Membru în proiecte de cercetare internationale

1. ARCHIMEDES—ACHIEVING REAL CHANGE WITH INNOVATIVE TRANSPORT MEASURES DEMONSTRATING ENERGY SAVINGS. Program Seventh Framework Programme FP7 (2007- 2010): Project number 218940; Call (part) identifier: FP7-SST-2007-TREN-1_28June; Funding scheme - Collaborative project;
2. INJECTION MOULDING OF TITANIUM POWDERS FOR BIOMEDICAL APPLICATIONS. Program Sixth Framework Programme FP6 (2005-2008), Secţiunea Horizontal Research Activities Involving Sme, fp6-2002-sme-1, TYPE PROJECT CO-OPERATIVE RESEARCH PROJECT (CRAFT), CONTRACT NO. COOP-CT-2005- 017991- contract 017991 / 2005;

Membru în proiecte de cercetare naţionale (selecţie 5/12)

1. Dezvoltarea culturii antreprenoriale a studentilor de la inginerie si arhitectura prin crearea unei retele de centre de pregatire in atreprenoriat AntreprenorIng, FSE-POCU/379/6/21/123975 - 2019 - **expert grup țintă studenți**
2. “Stagiile de practica – garantia succesului in cariera”, POSDRU/161/2.1/G/140692, S.C. TECHNOSTEEL LBR S.R.L.

Iasi, in parteneriat cu Universitatea Tehnica “Gheorghe Asachi” Iasi si S.C. Brainer Consulting S.R.L. Programul Operațional Sectorial pentru Dezvoltarea Resurselor Umane 2007-2013, Axa prioritara nr. 2: “Corelarea invatarii pe tot parcursul vietii cu piata muncii”, Domeniul major de interventie 2.1”Tranzitia de la scoala la viata activa”. **Re sponsabil stagii practica**

3. MODEL BIOMECANIC PENTRU EXECUŢIA, ÎNCERCAREA ŞI OPTIMIZAREA PROTEZEI DE ŞOLD. Grant CEEX M1-373 contract nr. 62/2006 Subcontract de finantare pentru executie proiect nr. 14965/2006;
4. MODEL ANALITIC COMPLEX PENTRU PREDICTIA EVOLUTIEI TENSIUNILOR REMANENTE IN PROCESELE DE PRELUCRARE PRIN DEFORMARE PLASTICA SUPERFICIALA. Program tip A, cod 236, tema 8 / 2007, Contract nr. 33 GR / 23.05.2007, tema13/2008, Contract nr. 77GR /11.06.2008;
5. CERCETARI PRIVIND INOVAREA SI OPTIMIZAREA DISPOZITIVELOR DE STRANGERE ACTIONATE CU ECHIPAMENTE HIDRAULICE MODULARE PRIN UTILIZAREA DE CONCEPTE MECATRONICE, MODELARII MATEMATICE SI SIMULARII NUMERICE. Grant CEEX 13/2005 cod MEC PC-D04-PT13-847.

COMPETENȚE ȘTIIȚIFICE

Lucrări științifice

Autor (coautor) în 80 de lucrări ştiinţifice publicate în reviste şi volume ale conferinţelor internaţionale şi naţionale

Membru in Editorial Board

1. Membru in Editorial Board la revista International Journal of Academic Research (IJAR), ISSN: 2075-4124 (http:// www.ijar.lit.az/en.php?o=board);
2. Membru in Editorial Board la revista INTERNATIONAL JOURNAL OF AUTOMATION, MECHATRONICS AND ROBOTICS ISSN : 2374-1546 (http://journals.theired.org/ijamr.html);
3. Membru in Editorial Board la revista INTERNATIONAL JOURNAL OF MECHNICAL AND AERONAUTICAL ENGINEERING ISSN : 2372-4153 (http://journals.theired.org/en-ijamae.html);
4. Membru in Editorial Board la revista INTERNATIONAL JOURNAL OF MANUFACTURING AND INDUSTRIAL ENGINEERING ISSN : 2374-1589 (http://journals.theired.org/ijmie.html);
5. Membru in Editorial Board la revista American Journal of Engineering, Technology and Society (http://
6. www.openscienceonline.com/journal/editorialboard?journalId=737);
7. Membru in Editorial Board la revista American Journal of Mechanical Engineering and Automation (http://
8. www.openscienceonline.com/journal/editorialboard?journalId=739);
9. Membru in Editorial Board la revista American Journal of Science and Technology ISSN: 2375-3846 (http://
10. www.aascit.org/journal/editorial?journalId=902);
11. Membru in Editorial Board la revista American Journal of Materials Research ISSN: 2375-3919 (http:// www.aascit.org/
12. journal/editorial?journalId=916);
13. Membru în Scientific Board of Industrial & Mechanical Engineers in revista International Journal of Advances in
14. Mechanical & Automobile Engineering (IJAMAE) ISSN 2349-1485 http://www.iieng.org/editorial_board.php?cid=9;
15. Membru în Editorial Board la revista Journal of Environmental Science and Engineering Technology ISSN (online):
16. 2311-8741 http://savvysciencepublisher.com/editorial-board-member-jeset/;
17. Membru în Editorial Board la revista World Journal of Engineering and Technology (WJET), ISSN Print: 2331-4222
18. ISSN Online: 2331-4249 (http://www.scirp.org/journal/wjet/);
19. Membru in Editorial Board la revista Journal of Manufacturing and Design Science (http://www.sciknow.org/ journals/
20. editor/id/jmds);
21. Membru in Editorial Board la revista Journal of Mechanics & Industry Research, ISSN 2329-9428 (http://
22. www.sciknow.org/journals/editor/id/jmir);
23. Membru in Editorial Board la revista UCT Journal of Management and Accounting Studies (UJMAS) ISSN: 2382-9745
24. http://tihejournals.com/index.php/editorial-board;
25. Membru in Editorial Board la revista UCT Journal of Social Sciences and Humanities Research (UJSSHR) ISSN:
26. 2382-9753 http://tihejournals.com/index.php/editorial-board-ujsshr;
27. Membru in Editorial Board la revista Journal of Modern Engineering (JME) ISSN: 2413-080X http:// 28. gandharapublishers.com/journals/jme/editorial-board.php;

Reviewer

Manufacturing, 2008, 2009, 2010, 2011, 2012, 2013;

▪ Reviewer în International Conference on Computing Techniques and Mechanical Engineering (ICCTME'2015) Oct. 1-2, 2015 Phuket (Thailand) http://icctme.org/committee.php;

▪ Reviewer în Proceedings of 15th International Conference Modern Technologies, Quality and Innovation - Modtech 2009, 2010, 2011, 2012, ISSN 2066-3919 (http://www.modtech.ro/tcm-iasiromania. php);

▪ Reviewer în IMANE 2013, 2014, 2015 Conference, Innovative Manufacturing Engineering Conference, MODTECH / TMCR Renewed Series (http://www.imane.ro/conference-committees/);

▪ Reviewer în International Conference on Future Computational Technologies (ICFCT'2015) March 29-30, 2015, Singapore http://icfct.org/committee.php;
▪ Reviewer în International Conference on Image Processing, Production and Computer Science (ICIPCS'2015) June 3-4, 2015 Istanbul (Turkey) http://icipcs.org/committee.php;
▪ Reviewer în International Conference on Artificial Intelligence and Manufacturing Engineering (ICAIME'2014) Dec. 25-26, 2014 Dubai (UAE) http://icaime.org/committee.php;
▪ Reviewer în International Conference on Advances in Software, Control and Mechanical Engineering (ICSCME'2015) Sept. 7-8, 2015 at Antalya (Turkey) http://icscme.ureng.org/committee.php;
▪ Reviewer în Bulletin of the Polytechnic Institute of Iasi, Section Machine Manufacturing, ISSN 10112855, 2008, 2009, 2010, 2011, 2012, 2013, 2014;
▪ Reviewer în International Journal of Automotive and Mechanical Engineering (IJAME) ISSN: 22298649 (Print); 2180-1606 (Online), 2013 http://ijamae.iieng.org/reviewers.php.

Organizaţii profesionale

Membru fondator - Profesional Association in Modern Manufacturing Technologies -2009;
Membru - Computer Science Teachers Association (CSTA) - 2013;
Membru - Academic Association of Manufacturing Engineering (AUIF) - 2007;
Membru senior - Emirates Association of Mechanical and Aeronautical Engineers (EAMAE) -2013;
Membru senior - Institute of Research Engineers and Doctors - Universal Association of Mechanical and Aeronautical Engineers UAMAE -2013;
Membru - International Association of Engineers (IAENG) -2013;
Membru - International Institute of Engineers (IIE) -2014;
Membru în comitetul ştiinţific - International Association of Engineering & Technology (IAETR-UAE) -2013; Membru - American Association for Science and Technology (AASCIT) -2013.

ALTE COMPETENŢE

Competenţe de comunicareşi organizare

Bune abilităţi de comunicare, inclusiv de ascultare şi de vorbire dobândite în urma experienţei ca profesor; Capacitatea de a exprima ideile cu uşurinţă;
Dezvoltarea relaţiilor interumane, abilităţi de negociere şi de muncă în echipă;
Capacitatea de a urmari si evalua argumentele oferite de ceilalti si de a descoperi ideile de baza in aceste argumente. Lucrul în echipă (am lucrat în diferite colective atât din facultate cât şi din străinătate la elaborarea unor proiecte, contracte sau granturi de cercetare ştiinţifică); Adaptabilitate la schimbare şi deschidere către nou;
Capacitatea de analiză şi rezolvare a problemelor;
Capacitate de planificare;
Abilităţi bune şi demonstrate de predare şi învăţare.

Stagii de predare Teaching Staff Mobility-Erasmus Socrates

20.06.2006 – 01.07.2006 la Universita Degli Studi di Napoli "Federico II" – Italia.
30.03.2007 – 05.04.2007 la E T. S. Ingenieros Industriales de la Universidad de Valladolid" – Spainia
01.07.2013 – 05.07.2013 la E T. S. Ingenieros Industriales de la Universidad de Valladolid" – Spainia
17.05.2016 – 21.05.2016 la E T. S. Ingenieros Industriales de la Universidad de Valladolid" – Spainia

DISTINCŢII ONORIFICEŞI PREMII

Premii

La Conferinţa Internaţională de Ştiinţă şi Inginerie "Machine-Building and Technosphereof the XXI Century, Sevastopol, Ucraina, 2002, lucrarea Research of the characteristic of diaphragms" a fost apreciată cu Premiul I

COMPETENŢE DIGITALE

Bune cunostiinte in pachetul Microsoft Office | Utilizare a programelor de comunicare(Mail Google Meet Zoom Skype) | Bune cunotine Windows

PERMIS DE CONDUCERE

Permis de conducere: B

PERSONAL INFORMATION

RIPANU Marius Ionut



Str. Stejar, nr.60, bl. L5, sc.A, et.3, ap.10, Iași, jud. Iași

- +(40) 764 556 149

marius-ionut.ripanu@academic.tuiasi.ro, ripanumariusionut@yahoo.com,

ripanumariusionut@gmail.com

http://www.tcm.cmmi.tuiasi.ro/member/marius-ionu%c8%9b-ripanu/

Sex Male | Date of birth 31/10/1985 | Nationality Romanian

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR
PERSONAL STATEMENT

Dosar Acreditare IMA

WORK EXPERIENCE

2025-present

Associate Professor

Gheorghe Asachi Technical University of Iasi (www.tuiasi.ro)

- Activities: teaching at classes, attending labs and seminaries, organizational activities, research, project management, institutional duties;
  - Responsibilities:
    - Attending project related activities for the "***Technological Innovation***" course (Master degree);
    - Attending project related activities for the "***Human Resource Management***" course (Master degree);
    - Teaching activities according to the class curricula as well as attending seminary related activities for the "***Safety and Health at Work***" course (Master degree);
    - Teaching activities according to the class curricula as well as attending laboratory related activities for the "***Machine Assembling and Repairing Technologies*** " course (Bachelor degree);
    - Attending laboratory related activities for the "***Computer Aided Design***" course (Bachelor degree);
    - Attending laboratory related activities for the "***Flexible Systems Technological Design***" course (Bachelor degree);
    - Attending seminary related activities for the "***Automation and Robotics in Technological Processes***" course (Bachelor degree);
    - Attending laboratory and project related activities for the "***Cold Plastic Deformation***" course (Bachelor degree);
    - Research activities for a continuous improvement of disseminated information and personal development and scientific acknowledgment through constant searches on web portals (Science Direct, Thompson Reuters, Web of Knowledge, and Google Scholar) and own researches disseminated at national and international conferences, workshops, publications and volumes;
    - Supervision and management of student's final project (bachelor and master degrees) as coordinator;
    - Institutional duties as member of the Machine Manufacturing Technology Department (http://cmmi.tuiasi.ro/en/home/);
    - Supervisor of students acquiring practical skills throughout a three weeks practice period of time at the end of each academic year at a certified private industrial partner;
    - Participation as Supervisor Professor in the ERASMUS+ program at universities from Modena, Italy and Varna, Bulgaria;
    - Active involvement in the Innovative Manufacturing Engineering & Energy International Conference held by the department of Machine Manufacturing Technology yearly as member of the organizing committee, editorial board, author or co-author, sub-reviewer and reviewer (www.imane.ro).

Business or sector Education

© European Union, 2002-2018 | europass.cedefop.europa.eu

2011-2016 **Assistant**

Gheorghe Asachi Technical University of Iasi (www.tuiasi.ro)

- Activities: teaching at classes, attending labs and seminaries, organizational activities, research, project management, institutional duties;
  - Responsibilities:
    - Attending laboratory and project related activities for the "***Cold Plastic Deformation***" course (Bachelor degree);
    - Attending laboratory related activities for the "***Computer Aided Design***" course (Bachelor degree);
    - Attending laboratory related activities for the "***Flexible Systems Technological Design***" course (Bachelor degree);
    - Attending seminary related activities for the "***Automation and Robotics in Technological Processes***" course (Bachelor degree);
    - Attending seminary related activities for the "***Applied Infographics and Informatics***" course (Bachelor degree);
    - Attending seminary related activities for the "***Technical Creation Basics***" course (Bachelor degree);
    - Research activities for a continuous improvement of disseminated information and personal development and scientific acknowledgment through constant searches on web portals (Science Direct, Thompson Reuters, Web of Knowledge, and Google Scholar) and own researches disseminated at national and international conferences, workshops, publications and volumes;
    - Supervision and management of student's final project (bachelor degree) as coordinator;
    - Institutional duties as member of the Machine Manufacturing Technology Department (http://cmmi.tuiasi.ro/en/home/);
    - Supervisor of students acquiring practical skills throughout a three weeks practice period of time at the end of each academic year at a certified private industrial partner;
    - Participation as Supervisor Professor in the ERASMUS+ program at universities from Thessaloniki, Greece
    - Active involvement in the Innovative Manufacturing Engineering & Energy International Conference held by the department of Machine Manufacturing Technology yearly as member of the organizing committee, editorial board, author or co-author, sub-reviewer and reviewer (www.imane.ro).

Business or sector Education

EDUCATION AND TRAINING

2009-2014 **PhD degree – Industrial Engineering**

Gheorghe Asachi Technical University of Iasi, Romania (www.tuiasi.ro)

Machine Manufacturing and Industrial Management Department (www.cmmi.tuiasi.ro)

- PhD thesis title: " ***Theoretical and experimental researches regarding the quality and precision of stamped bearings cages*** ."

2009-2011 **Master degree - Advanced Manufacturing Technologies (A.M.T.)**

Gheorghe Asachi Technical University of Iasi, Romania (www.tuiasi.ro)

Machine Manufacturing and Industrial Management Department (www.cmmi.tuiasi.ro)

2009-2010 **Master degree - Production Management and Technology (P.M.T.)**

Gheorghe Asachi Technical University of Iasi, Romania (www.tuiasi.ro)

Machine Manufacturing and Industrial Management Department (www.cmmi.tuiasi.ro)

2004-2009 **Bachelor degree - Machines Manufacturing Technology (Programme of Study)**

Gheorghe Asachi Technical University of Iasi, Romania (www.tuiasi.ro)

Machine Manufacturing Department



© European Union, 2002-2017 | europass.cedefop.europa.eu

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	A1	A1	A1	A2	A1
Spanish	B1	B1	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Good communication skills.

Organizational / managerial skills

- Team Leader,
- Prüfer.

Derived skills:

- Teaching abilities and presentation skills in a logical manner,
- Management abilities acquired as Team Leader,
- Active involvement as part of a team,
- Prioritization of daily activities,
- The ability to accumulate new knowledge over a relatively short period of time,
- The ability to formulate pertinent and sustainable on time decisions,

Job-related skills

- Developing and maintaining a climate of college and open discussion with students and / or colleagues.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user
Digital competences - Self-assessment grid

Replace with name of ICT-certificates

- Good command of **Microsoft Office** suite (Word, Excel, PowerPoint, Access, Publisher, Visio)
- CAD/CAM/CAE/PLM/PDM: **AutoCAD**, **Catia, SolidWorks, SolidEdge, MasterCAM**
- Graphic design: **Adobe** suite (Photoshop, Lightroom, Premiere), **Corel Draw**
- Installation, administration and maintenance of **Windows** operating systems

Driving license **B** (*Romanian Grade*)
(obtained in 2002)



© European Union, 2002-2018 | europass.cedefop.europa.eu

ADDITIONAL INFORMATION

Publications
Presentations
Projects
Conferences
Seminars
Honors and awards
Memberships
References
Citations
Courses
Certifications

- Member project: " *„Şcoala universitară de formare iniţială şi continuă a personalului didactic şi a trainerilor din domeniul specializărilor tehnice şi ingineresti DIDATEC'"*, Proiect cofinanţat din Fondul Social European prin Programul Operaţional Sectorial Dezvoltarea Resurselor Umane 2007-2013;
- Member Project: „The Exploratory Workshop Opportunities , challenges and perspectives of using of the new materials (graphen, metallic glasses, fullerenes) in industry", Project number PN-II-ID-WE-2012-4-003 supported by CNCS –UEFISCDI;
- Scholarship: inside the *Socrates-Erasmus* program at „*Universidad de Salamanca - Escuela Politécnica Superior de Zamora",* Salamanca, Spain, February 2008 – June 2008;
- Delegated Professor: inside *Erasmus* program at „*Aristotle University of Thessaloniki*", Greece, June 2014;
- Delegated Professor: inside *Erasmus+* program at „ *Università di Modena e Reggio Emilia*", Modena, Italy, May 2015;
- Delegated Professor: inside *Erasmus+* program at „*Aristotle University of Thessaloniki*", Greece, June 2016;
- Delegated Professor: inside *Erasmus+* program at „*Technical University of Varna"*, Varna, Bulgaria, April 2019 (*visit to be performed*);
- Cited in 3 ISI volumes and 2 other international databases;
- Hirsch index: 4.

ANNEXES

- Achieving a total of over 40 scientific publications as author/co-author;

Scientific articles published in Journals indexed ISI or in International Data Basis, International Journals and National Journals (CNCS ISI Indexed):

1. Gheorghe Nagîț, Laurenţiu Slătineanu, Oana Dodun, **RÎPANU M.I.**, Andrei Mihalache, Mihai Boca, Adelina Hriţuc, *Influence of the Ball Vibrorolling Parameters on the Surface Roughness and on the Superficial Layer Hardness*, Materials Science Forum (Volume 957), Trans Tech Publications Ltd, https://doi.org/10.4028/www.scientific.net/MSF.957.130, 2019;

2. Gheorghe Nagîț, Oana Dodun*, Margareta Coteață, Petru Dușa, **RÎPANU M.I.**, Adelina Hrițuc and Laurențiu Slătineanu, *Analysis of the educational design activity in the field of cold pressing technology by means of the axiomatic design,* MATEC Web Conf., Volume 301, The 13th International Conference on Axiomatic Design (ICAD 2019), https://doi.org/10.1051/matecconf/201930100004, 2019;

3. Gheorghe Nagîț, Laurenţiu Slătineanu, Oana Dodun, **RÎPANU M.I.**, Andrei Marius Mihalache, *Surface layer microhardness and roughness after applying a vibroburnishing process*, Journal of Materials Research and Technology, Volume 8, Issue 5, September – October 2019, Pages 4333-4346, https://doi.org/10.1016/j.jmrt.2019.07.044, 2019;

4. RÎPANU M.I., Nagit, G., Slatineanu, L., Dodun, O., *The dimensional precision of forming windows in bearing cages*, MACHINES, Volume: 6; Issue: 1; Article Number: 9; DOI: 10.3390/machines6010009; Published: 2018; Document Type: Article, 2018;

5. Mihalache, Andrei; Nagit, Gheorghe; **RÎPANU M.I.**; et al., *Laser marking as a result of applying reverse engineering, Conference: 21st International ESAFORM Conference on Material Forming (ESAFORM) Location: Univ Palermo, Palermo, ITALY Date: APR 23-25, 2018, Sponsor(s): European Sci Assoc Mat Forming, PROCEEDINGS OF 21ST INTERNATIONAL ESAFORM CONFERENCE ON MATERIAL, FORMING (ESAFORM 2018) Book Series: AIP Conference Proceedings Volume: 1960 Article Number: UNSP 100010 Published: 2018;*

6. Ionut Madalin Pista, Gheorghe Nagit, Vasile Merticaru, **RÎPANU M.I.** And Marius Marian Cucos, *Axiomatic design theory applied in developing a technological device for automated assembly*, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI Publicat de Universitatea Tehnică „Gheorghe, Asachi" din Iaşi Volumul 63 (67), Numărul 3, Secţia CONSTRUCŢII DE MAŞINI, pag. 9-21, 2017;

7. Nagit, Gheorghe; Dodun, Oana; Slatineanu, Laurentiu; **RÎPANU M.I.**, *Behavior of some steels at vibrorolling*, Conference: 8th International Conference on Manufacturing Science and Education (MSE) – Trends, in New Industrial Revolution Location: Sibiu, ROMANIA Date: JUN 07-09, 2017, Sponsor(s): Lucian Blaga Univ Sibiu, Fac Engn, Ind Engn & Management Dept; Lucian Blaga Univ. Sibiu, Fac Engn, Ind Machines & Equipment Dept, 8TH INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION, (MSE 2017) - TRENDS IN NEW INDUSTRIAL REVOLUTION Book Series: MATEC Web of Conferences Volume: 121 Article Number: UNSP 03016 Published: 2017;

© European Union, 2002-2017 | europass.cedefop.europa.eu

8. RÎPANU M.I.; Nagit, Gheorghe; Slatineanu, Laurentiu; et al., *Surface roughness obtained at stamping of bearing cages*, Conference: 13th International Conference on Modern Technologies in Manufacturing (MTeMAMaTUC), Location: Cluj Napoca, ROMANIA Date: OCT 12-13, 2017, Sponsor(s): Addit Mfg Tech Univ Cluj Napoca, MODERN TECHNOLOGIES IN MANUFACTURING (MTEM 2017 - AMATUC) Book Series: MATEC Web of Conferences Volume: 137 Article Number: UNSP, 05006 Published: 2017;

9. Pista, Ionut Madalin; Merticaru, Vasile; Nagit, Gheorghe; **RÎPANU M.I.** et al., *Advanced engineering design capabilities applied for developing a technological device for automated assembly*, Conference: 13th International Conference on Modern Technologies in Manufacturing (MTeMAMaTUC), Location: Cluj Napoca, ROMANIA Date: OCT 12-13, 2017, Sponsor(s): Addit Mfg Tech Univ Cluj Napoca, MODERN TECHNOLOGIES IN MANUFACTURING (MTEM 2017 - AMATUC) Book Series: MATEC Web of Conferences,2017;

10. P Dusa, E Purice, G Nagit, O Dodun, **RÎPANU M.I.**, L Slatineanu, *Construction of Patent Claims Using Axiomatic Design*, , MATEC Web of Conferences 127, 01011, 2017;

11. G Nagîț, L Slătineanu, V Merticaru, **RÎPANU M.I.**, AM Mihalache, L Tăbăcaru, *Analysis of a Device for Texturing by Burnishing Using Principles from Axiomatic Design ,* MATEC Web of Conferences 127, 01021, 2017;

12. G Nagit, AM Mihalache, **RÎPANU M.I.**, M Pista, *Considerations about the influence of lubricant in different machining mechanical processes,* MATEC Web of Conferences 112, 02009, 2017;

13. D Cauneac, G Nagît, M Boca, **RÎPANU M.I.**, L Slatineanu, *Surface roughness in laser beam contour cutting*, Revista de Tehnologii Neconventionale 20 (3), 25, 2016;
14. L Slatineanu, O Dodun, M Coteata, G Nagît, **RÎPANU M.I.**, I Besliu, *Identifying possible solutions for a polyfunctional minimachine tool by means of ideas diagram method,* Proceedings in Manufacturing Systems 11 (3), 159–164, 2016;

15. O Dodun, L Slatineanu, G Nagît, **RÎPANU M.I.**, M Coteata, *Modelling of the shape error when using hand-held single-hole punch*, Scientific Bulletin Series C: Fascicle Mechanics, Tribology, Machine , Baia Mare, 2016;

16. Olaru, S.C., Nagîț, Gh., **RÎPANU, M. I.**, Manole V., *Aspects of SearchingSome Possibilities to Diminish the Processing Errors at Stamping Process,* Applied Mechanics and Materials, Vol. 809-810, pp 295-300, Trans Tech Publications - Switzerland, ISSN: 1660-9336, Conference IManE2015, Iasi, 2015, available: www.scientific.net/AMM.809-810.295, 2015;

17. Urzică, I., Râznic, C., Apostol, M., Pavăl, C.M., Boca, M., **RÎPANU, M.I.**, *Considerations regarding some surface state parameters characterized by a more restricted use*, Applied Mechanics and Materials, Vol. 809-810, pp 93-98, Trans Tech Publications - Switzerland, ISSN: 1660-9336, Conference IManE2015, Iasi, 2015, available: www.scientific.net/AMM.809-810.93, 2015;

18. Merticaru, V., **RÎPANU, M. I.**, Mihalache, A.M., Cucoș, M.M., *Integrating advanced engineering solutions for enhancing product development sustenability*, Applied Mechanics and Materials, Vol. 809-810, pp 1492-1497, Trans Tech Publications - Switzerland, ISSN: 1660-9336, Conference IManE2015, Iasi, 2015, available: www.scientific.net/AMM.809-810.1492, 2015;

19. Mihalache, A.M., Nagîț, Gh., **RÎPANU, M. I.**, *Integration of modern tools as part of concurrent engineering in mechanical designs, applied mechanics and materials*, Vol. 809-810, pp 1541-1546, Trans Tech Publications - Switzerland, ISSN: 1660-9336, Conference IManE2015, Iasi, available: www.scientific.net/AMM.809-810.1541, 2015;

20. RÎPANU M.I., Nagit G., Merticaru V., Mihalache A.M., Boca M., Husanu V., *An optimized methodology for process quality analysis and monitoring activities in case of sheet metal bearing cages stamping, engineering solutions and technologies in manufacturing*, in Applied Mechanics and Materials, Trans Tech Publications, Switzerland, ISSN web: 1662-7482, ISSN print 1660-9336, Vol. 657 (2014) - ISBN-13: 978-3-03835-275-4; pp. 183-187, Conference IManE2014, Chișinău, 2014, available: www.scientific.net/AMM.657.183, 2014;

21. Boca M., Nagit Gh., Horodinca M., Negoescu F., Mihalache A. M. and **RÎPANU M.I.,** *Aspects concerning the Possibility to measure the radial deflection of a work piece obtained into a turning process,* Engineering Solutions and Technologies in Manufacturing, in Applied Mechanics and Materials, Trans Tech Publications, Switzerland, ISSN web: 1662-7482, ISSN print 1660-9336, Vol. 657 (2014) - ISBN-13: 978-3-03835-275-4; pp. 58-62, Conference IManE2014, Chișinău, 2014, available: www.scientific.net/AMM.657.58, 2014 ;

22. Mihalache,A.M., Nagit, Gh., **RÎPANU M.I.**, Boca, M., and Hurja, I.I.,*Experimental Framework for FEA Analyses of a 3D Geometry of a Connecting Rod*, Engineering Solutions and Technologies in Manufacturing, in Applied Mechanics and Materials, Trans Tech Publications, Switzerland, ISSN web: 1662-7482, ISSN print 1660-9336, Vol. 657 (2014) - ISBN-13: 978-3-03835-275-4; pp. 725-729, Conference IManE2014, Chișinău, available: www.scientific.net/AMM.657.725, 2014 ;

23. Merticaru V., **RÎPANU M.I.**, Runcanu, T.M., Nechita, M.M., and Minciu, S.C., *Holistic product analysis within technological changes, as instrument for product sustainability improvement*, Engineering Solutions and Technologies in Manufacturing, in Applied Mechanics and Materials, Trans Tech Publications, Switzerland, ISSN web: 1662-7482, ISSN print 1660-9336, Vol. 657 (2014) - ISBN-13: 978-3-03835-275-4; pp. 996-1000, Conference IManE2014, Chișinău, 2014, available: www.scientific.net/AMM.657.996, 2014;

24. Mihalache, M.A., Nagîț Gh., **RÎPANU M.I.** and Boca M., *Preparation steps of a connecting rod's 3D geometry to be manufactured on a NC center,* Academic Journal of Manufacturing Engineering, Volume 12, ISSUE 2/2014, ISSN: 1583 – 7904, pp. 49-55, Iasi, 2014;

25. Boca, M., Nagit, Gh., Horodinca, M., Mihalache, A.M., **RÎPANU M.I.**, *Experimental researches concerning the evolution of the radial deflection of a work piece, processed by turning,* in Applied Mechanics and Materials, ISSN: 1660-9336, The 5th Int. Conf. on Manuf. Engineering –ICMEN 2014, , ISBN: 978-960-987780-9-8, pp. 35-41, Greece-Thessaloniki, 2014;

26. RÎPANU, M.I., Nagîț, Gh., Merticaru, V.,Mihalache A.M. and Hurja I.I., *Influence of the clearances in the stamping device upon the burrs resulted on the stamped bearing ceges windows*, Innovative Manufacturing Engineering, in Applied Mechanics and Materials, Trans Tech Publications, Switzerland, ISSN print 1660 – 9336, ISSN web 1662 – 7482, Vol. 371 (2013), ISBN -13: 978-3-03785-786-1, pp 153-157, Conference IManE2013, Iași, 2013, available: www.scientific.net/AMM.371.153, 2013;



27. MERTICARU, V., **RÎPANU M.I.**, *About CAD Activities Effectiveness and Efficiency as Instruments for Sustainable Product Development, Innovative Manufacturing Engineering*, in Applied Mechanics and Materials, Trans Tech Publications, Switzerland, ISSN print 1660 – 9336, ISSN web 1662 – 7482, Vol. 371 (2013), ISBN -13: 978-3-03785-786-1, pp 499-503, Conference IManE2013, Iași, 2013, available: www.scientific.net/AMM.371.499, 2013 ;

28. Mihalache, M.A., Nagîț Gh., and **RÎPANU M.I.**, *Optimization procedure of a scanned solid body through FEA by means of reverse engineering*, Proceedings of the 6th International Conference of Manufacturing Science and Education, ISSN: 1843-2522, pp. 175-178, 2013;

29. Mihalache, M.A., Nagit Gh., **RÎPANU M.I.** *Proposed workflow for obtaining a 3D solid model out of points clouds for a connecting rod,* The 17th International Conference, New Technologies and Products in Machine Manufacturing Technologies, TEHNOMUS Journal: New Technologies and Products in Machine Manufacturing Technologies, No. 20, ISSN-1224-029X, pp. 385-391, Suceava, Romania, 17-18 mai 2013;

30. Tilică, T., Slătineanu, L., Gherman, L., **RÎPANU, M.I.**, *Workpiece Clamp device at Ultrasonic Drilling*, International Conference ICMS 2013 – Buletinul Institutului Politehnic IAŞI, Tomul LIX, Fascicolul 3, , Secţia Construcţii de Maşini, pp. 97-103, Iași, 2013;

31. Slătineanu, L., Coteaţă, M., Gherman, L., Donac, G., **RÎPANU M.I.**, *Laser cuting of thin parts,* The 17th International Conference, New Technologies and Products in Machine Manufacturing Technologies, TEHNOMUS Journal: New Technologies and Products in Machine Manufacturing Technologies, No. 20, ISSN-1224-029X, pp. 153-159, Suceava, Romania, 17-18 mai 2013;

32. Taranovschi (Ferariu) I.L., Dusa, P., **RÎPANU M.I.**, *The methodology for innovative model application on the punching process*, In Proceedings of International Conference ModTech 2012, Vol. 2, pp.941-944, ISSN: 2069-6736, Sinaia, Romania, 2012;

33. RÎPANU, M.I., Nagîț, Gh., Merticaru, V., Iacob-Strugaru, S.C.,*Process quality analysis and monitoring methology for roller bearings cages stamping*, ANNALS of the ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering, Volume XI (XXI), 4.128 – 135, NR1, Oradea, 2012;

34. Merticaru, V., Pascariu, A.O., **RÎPANU, M.I.,** Iacob-Strugaru, *Advanced cad capabilities applied for integrating flexible engineering design with flexible manufacturing,* ANNALS of the ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering, Volume XI (XXI), pp. 4.63 – 4.72, NR2, Oradea, 2012;

35. Mihalache A., Nagîţ G., Niţă O., **RÎPANU M. I.** *A proposed procedure to identify and minimize the effects of errors in reverse engineering*, Buletinul Institutului Politehnic din Iaşi, Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi, Tomul LVII (LXI), Fasc. 4, Secţia Construcţii de Maşini, ISSN 1011-2855, pp. 171-178, 2011;

36. Mihalache A., Nagîţ G., Manole I., **RÎPANU M. I.**, *A proposed approach in points cloud discretization techniques*, 8th International Conference "Standardization, Protypes and Quality: A Means of Balkan Countrie's Collaboration", Thessaloniki, October 7-8 2011, ISI Proceedings, website: http://protypation.web.auth.gr/8_Conference/, pp. 208-214;

37. Mihalache, A.M., Nagîț, Gh., **RÎPANU, M.I.**, Manole, I.E., *Identifying the right method of scanning in reverse engineering technique*, International Science and Engineering Machine-Building and Technosphere of the XVII Century, 12-18 September2010 Sevastopol, Ucraina, ISSN 2079-2670, pag. 160-163, Sevastopol, 2010.

38. Rotman, I.E., Baciu Lupaşcu, R.A., Taranovschi, I.L., Vieriu, I. & **RÎPANU M. I.,** *The Systemic Analysis of the Ultrasonic Investigation Process*, International Science and, Engeneering Machine - Building and Technosphere of the XVII Century, Septembrie 2010, vol.4., p. 202-206, ISSN: 2079 – 2670, Sevastopol, Ucraina, 2010;

39. Taranovschi I., Rotman, I., Vieriu, I., **RÎPANU M. I.**, (2010). *An inventory of the instruments to stimulate creativity*, Proceedings of XVII International Science and Engineering Conference „Machine-building and Technosphere of the XVII Century, 14-19 Septembrie 2010, p. 226-230, ISSN: 2079-2670, Sevastopol, Ucraina,2010;

40. Mihalache A., Nagîţ G., **RÎPANU M. I.** *Advantages and weak points of different RE techniques,* Buletinul Institutului Politehnic din Iaşi, Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi, Tomul LVI (LX), Fasc. 2, ISSN 1011-2855, pp. 245-250, Iași, 2010;

41. RÎPANU, M.I., Nagîț, Gh., Manole, I.E., *Comparative aspects regarding the nesting for blanking-punching operation on clasical presses and numerical comanded pressing centers*, Bulletin of the Polytechnic Institute of Iasi, Tomul LVI (LX), Fasc. 2, ISSN 1011-2855, Iași, 2010;

42. RÎPANU, M.I., Merticaru, V., Mihalache A.M., *Technical considerations upon performance improvements in stamping processes by implementing cnc and reverse engineering techniques,* ANNALS of the ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering, Volume IX (XIX) Sectiunea S3, pp. 3156 - 3165, ORADEA, 2010;

43. Merticaru, V., **RÎPANU, M.I.**, Nagîț, Gh., *Approach on the development of engineering skills in industrial robots programming and operating*, ANNALS of the ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering, Volume IX (XIX) Sectiunea S3, pp. 140-149, ORADEA, 2010;

44. RÎPANU, M.I., Nagîț, Gh., Merticaru, V., Iacob-Strugaru, S.C., *Contrastive theoretical comparison approach upon blanking-punching operations on cnc pressing centers and on classical presses*, ANNALS of the ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering, Volume IX (XIX) Sectiunea S3, pp. 219-228, ORADEA, 2010;

45. Merticaru, V., Axinte, E., **RÎPANU, M.I.**, Iacob-Strugaru, S.C., *Researches about the flank profile accuracy of the trapezoidal threads generated by thread whirling,* International Journal Of Academic Research Vol. 2. No. 4., pp. 36 – 45, July 2010;

