



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Emil, Oanta**
 Address(es)
 Telephone(s) Mobile (text):
 Fax(es) Constanța Maritime University: (+4) 0241-61 72 60 ;
 E-mail -
 Webpage
 Nationality Romanian
 Date of birth 1964, July 15
 Gender Male

Desired employment / Occupational field

Work experience

Dates	2002-onwards	1994-2002	1991-1994	1990-1991
Occupation or position held	Associate Professor	Lecturer	Assistant Professor	Assistant Professor, tenure track
Main activities and responsibilities	Educational: teaching Strength of Materials, Theory of Elasticity, Finite Element Method, Internet and Databases, Computer Aided Design&Graphics, Databases, Advanced Computer Architectures Research: Computer Aided Engineering, Experimental Mechanics, Hybrid Models, Numerical Methods			
Name and address of employer	Constanta Maritime University, 104 Mircea cel Batran Str, Constanta, 900663, Romania, http://www.cmu-edu.eu			
Type of business or sector	Higher Education System			
Dates	June 2004 – July 2005			
Occupation or position held	Senior Researcher			
Main activities and responsibilities	Research: Development of software solutions for virtual reality graphics within the ITEA02027 project "LASCOT – LArge Scale COLlaborative decision support Technology", category: ITEA – Information Technology for European Advancement, http://www.iteaconnect.org/index Invitation - https://drive.google.com/open?id=1HKlO-My95Eud2XOq1Cu4opqin0IIBQ9z Certification - https://drive.google.com/open?id=1-EVpPu_NuIKLt3x_aHel2VURyHxNsfSS Details - https://drive.google.com/open?id=1nQGt6YqO4eULf9OaONibpvgswf0-s5eS Team - https://drive.google.com/open?id=1aPDD0AJtIcLa8IMpxe0lg-BJQgOPyEev Online references: https://drive.google.com/open?id=1TEywgChJIiD471cZeG30gEqStBEWfH87 https://drive.google.com/open?id=1HP8DPqNl9ydr0J87IcJdLbJJxWE78vTo			
Name and address of employer	Vrije Universiteit Brussels, Pleinlaan 2, 1050, Brussels, Belgium			
Type of business or sector	Postgraduate Research			

Dates	September 1988 – September 1990
Occupation or position held	Analyst-Programmer, Computer Office of the Company
Main activities and responsibilities	System analysis and software development. Acknowledgements: <ul style="list-style-type: none"> • CONTAP – software application for the book-keeping of the supply contracts; • SAMCO – software application for the book-keeping of the activities of the construction equipment; • software for the accountancy department • software for the calculus of the forces in the mechanism of a manipulating robot; • software for the calculus of the processes in a chemical reactor; • library of programs for the automatic drawing of the charts in engineering; • library of programs dedicated to the general numerical methods • library for the processing of the large matrices – core of FEM/FDM applications
Name and address of employer	Heavy Equipment Company, 1, Ciocarliei Str, Basarabi, Constanta
Type of business or sector	Applied informatics, Databases, Numerical programming
Education and training	
Date	September 18, 2019
Title of qualification awarded	- Doctor Habilitat - Ministry's Order No. 5504 - November 14, 2018, https://drive.google.com/open?id=1BnqgzISGP1C1u9EHwDMnZmfQd1-wos
Principal subjects/occupational skills covered	Compulsory conditions legally required are fulfilled, https://cmu-edu.eu/wp-content/uploads/2018/09/030-Fisa-de-verificare.pdf Thesis: Hybrid Modeling in Mechanical Engineering, 288 pages Abstract (English): https://cmu-edu.eu/wp-content/uploads/2018/09/020-Abstract.pdf Abstract (Romanian): https://cmu-edu.eu/wp-content/uploads/2018/09/010-Rezumat-in-Romana.pdf List of relevant scientific papers: https://cmu-edu.eu/wp-content/uploads/2018/09/Lista-de-lucrari.pdf
Name and type of organisation providing education and training	- Constanta Maritime University - Habilitation Commission: <ul style="list-style-type: none"> ◦ Prof. PhD Eng., Dr. H.C. Daniel CONDURACHE, 'Gheorghe Asachi' Technical University of Iași; ◦ Prof. PhD Eng. Dumitru DINU, Constanța Maritime University; ◦ Prof. PhD Eng., Dr. H.C. Eugen Victor Cristian RUSU, Member of the Romanian Science Academy, 'Dunărea de Jos' University of Galați.
Level in national or international classification	Habilitation (post-doctoral degree), https://en.wikipedia.org/wiki/Habilitation
Dates	November 2001 – October 2007
Title of qualification awarded	PhD in Statistical Economics and Cybernetics
Principal subjects/occupational skills covered	Exams: Economy, Modelling and simulation of the processes, Programming methods and techniques, Numerical Analysis Essays: Minimisation of the errors in the numerical programming, Software solutions for the processing of the large matrices, Probabilistic algorithms applied in economy Postgraduate specialization course (one year) in Business Management, organised by the Academy of Economic Studies of Bucharest, 2005-2006 2004-2005 > 1 year research stage at Vrije Universiteit Brussels in the framework of the 02027 ITEA (Information Technology for European Advancement) Project Thesis: Numerical Methods and Models in Economy, 468 pages
Name and type of organisation providing education and training	The Bucharest Academy of Economic Studies, http://www.ase.ro , The Faculty of Economic Cybernetics, Statistics and Informatics The Department of Economic Informatics Promoter: Prof PhD Ec. Math. Ioan Odăgescu
Level in national or international classification	Doctoral studies
Dates	October 1995 – May 2001
Title of qualification awarded	PhD in Mechanical Engineering, 'Cum Laude'

Principal subjects/occupational skills covered	Exams: FEM, Experimental methods in mechanical engineering, Analytical models of the internal combustion engine (ICE) parts Essays: FEM models of the complex shaped structures, with applications for naval ICEs, Finite element models of the thermal stresses in the complex shaped structures Thesis: FEM Study of the Stresses and Strains in the Block Cylinder of the Internal Combustion Engines, 442 pages, 86 letters of support, 105 reviewers
Name and type of organisation providing education and training	'Politehnica' University of Bucharest, http://www.upb.ro/en/ The Faculty of Mechanical Engineering Promoter: Prof Dr H. C. Eng. Constantin Aramă, Member of the Romanian Science Academy Recognition: Diploma awarded by The General Association of the Engineers from Romania, Strength of Materials Society, March 2003, for the work "FEM Study of the Stresses and Strains in the Block Cylinder of the Internal Combustion Engines – PhD Studies – Bucharest, 2001"
Level in national or international classification	Doctoral studies
Dates	2011, completed
Title of qualification awarded	Advanced Project Management in Primavera P6 , Postgraduate Specialization Course, Certificate of Completion
Principal subjects/occupational skills covered	Course 102 Course 106
Name and type of organisation providing education and training	Oracle University
Level in national or international classification	Postgraduate specialization studies, international level recognition
Dates	2008-2009, completed
Title of qualification awarded	Project management , Postgraduate specialization course, Diploma
Principal subjects/occupational skills covered	Exams: Management of projects in the context of the managerial remodelling; Initiation, planning and financing of the project; Project lifecycle management Graduation essay: Optimization of the time management in the scheduling of the activities using an original software application, 90 pages, under the scientific guidance of Prof PhD Ec. Radu Victor
Name and type of organisation providing education and training	The Bucharest Academy of Economic Studies, http://www.ase.ro Postgraduate Education Department
Level in national or international classification	Postgraduate specialization studies
Dates	2008-2009
Title of qualification awarded	Manager of the environment management systems , Specialization course, Certificate
Principal subjects/occupational skills covered	Exams: Biodiversity; Environment; Waste management; Prevention of water, soil and air pollution; Law system for environment protection; Ecologic impact; Waste management of the harbour area; Environment management systems; Health system management in a pollution context; Prevention of the marine environment pollution; Emergency management
Name and type of organisation providing education and training	Consortium: Constanta Maritime University; Environment Protection Agency; Environment National Guard – Constanta Branch; Emergency Management Agency; Constanta City Hall; under the patronage of the National Council for Adult Vocational Training
Level in national or international classification	National recognition - Ministry of Labour, in EU context
Dates	2005-2006
Title of qualification awarded	Business management , Postgraduate specialization course, Diploma
Principal subjects/occupational skills covered	Exams: Team management, Business communication and negotiation, Managerial reengineering Graduation essay: Economic results of the implementation of a success oriented strategy in the Constanta Maritime University, 48 pages, under the scientific guidance of Prof PhD Ec. Dan Popescu
Name and type of organisation providing education and training	The Bucharest Academy of Economic Studies, http://www.ase.ro Postgraduate Education Department
Level in national or international classification	Postgraduate specialization studies

Dates	2005-2006
Title of qualification awarded	Computer Aided Design , SolidEdge v18 course, Diploma
Principal subjects/occupational skills covered	MTO1413-SG-180-SolidEdge Fundamentals MTO1416-SG-180-SolidEdge Assembly MTO1415-SG-180-SolidEdge Drafting MTO1419-SG-180-SolidEdge Sheet Metal
Name and type of organisation providing education and training	ADA Computers Bucharest, Romania, https://www.adacomputers.ro
Level in national or international classification	Specialization studies
Dates	29/05/2000 – 31/05/2000
Title of qualification awarded	Human Resources Management , Postgraduate course, Certificate
Principal subjects/occupational skills covered	Human resources management
Name and type of organisation providing education and training	United Nations Commission for Trade and Development (UNCTAD) & Romanian Ministry of Transport - Maritime Training Centre; Asociation TRAINMAR America del Sur
Level in national or international classification	International recognition
Dates	01/06/2000 – 09/06/2000
Title of qualification awarded	TRAINMAR Instructor's Workshop , Postgraduate course, Certificate
Principal subjects/occupational skills covered	Education
Name and type of organisation providing education and training	United Nations Commission for Trade and Development (UNCTAD); Deutsche Gesellschaft Für Technische Zusammenarbeit (GTZ); Asociation TRAINMAR America del Sur (ATAS)
Level in national or international classification	International recognition
Dates	25/02/1991 – 18/05/1991
Title of qualification awarded	Experimental mechanics postgraduate course , Diploma
Principal subjects/occupational skills covered	Experimental mechanics technologies, Experimental data processing, Theory of Elasticity Graduation paper: Stand employed to measure the strains and stresses for the axial loads, respectively for flexure, using the strain gage technology
Name and type of organisation providing education and training	Politehnica University of Bucharest; Strength of Materials Department; Romanian Experimental Mechanics Association
Level in national or international classification	Postgraduate specialization studies
Dates	27/05/1991 – 07/06/1991
Title of qualification awarded	Postgraduate Course of Computer Aided Design , Certificate,
Principal subjects/occupational skills covered	Computer Aided Design
Name and type of organisation providing education and training	ROmanian MAnagement Institute (IROMA)
Level in national or international classification	Postgraduate specialization course
Dates	September 1983 – July 1988
Title of qualification awarded	Mechanical Engineering Diploma , Automotive Engineering Specialization <i>Recommendation of the Faculty Council for research and higher education system positions</i>
Principal subjects/occupational skills covered	Mechanical engineering Graduation project: Conversion of a city car into a sport model

Name and type of organisation providing education and training Politehnica University of Bucharest;
Faculty of Transports;
Department of Automotive Engineering

Level in national or international classification University level studies

Dates September 1978 – July 1982

Title of qualification awarded **High School Graduation Diploma**

Principal subjects/occupational skills covered Mathematics, Physics

Name and type of organisation providing education and training Mircea cel Batran High School, Constanta

Level in national or international classification High school level studies

Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

Self-assessment

European level (*)

English

French¹⁾

Dutch^{2) 3)}

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
C1	Proficient user	C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user
A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user

(*) *Common European Framework of Reference for Languages*

1) <https://drive.google.com/open?id=1H2h1HkXp9M04-s7befHMrIZ0g24a95DY>

2) <https://drive.google.com/open?id=1xrUPVsEOcR4G1lwK4FNJNRvmhbtYpxy2>

3) <https://drive.google.com/open?id=1vN9B9ZUS3aphORiGcGoBbE6f0DB6DuUg>

Social skills and competences

Facile communication

Adaptability to the current context by respecting some basic well accepted principles

International experience in multicultural environments - reference:

<https://drive.google.com/open?id=1Hk10-My95Eud2XOq1Cu4opqin0IIBQ9z>

<https://drive.google.com/open?id=1aPDD0AJtIcLa8IMpxe0lg-BJQgOPyEev>

<https://drive.google.com/open?id=1-EVpPuNuIKLt3x aHelZVURyHxNsFSS>

<https://drive.google.com/open?id=1nQgt6YqO4eULf9OaONibpvgSWf0-s5eS>

Rotary International member since 1998, RI membership ID number 5677683

Organisational skills and competences

Methodical, co-operant and open style;

Highly adaptable in performance oriented conditions;

Unique accomplisher of several research contracts which also required organisational skills;

Postgraduate specialization courses in management (business management, project management);

Director of a national exploratory research contract, approved on competitive basics;

Member in several commissions and committees;

President of the Committee of Ethics of the Constanta Maritime University, 2005-2008;

Deputy Head of the Marine Engineering Department, Constanta Maritime University (2007-2008);

Vice rector, responsible with academic and development problems, Constanta Maritime University, 2008-2012;

Vice rector, responsible with scientific research and innovation problems, Constanta Maritime University, 2012-2016;

President of the Senate, 2016 – up to now;

Capacity to coordinate in parallel several projects (educational, scientific, financing etc.).

Technical skills and competences	<p>Creative approaches; Research: hybrid models of complex problems - analytical, numerical, experimental methods; Capability to conceive complex programs of multidisciplinary, interdisciplinary and inter-domains research; Computer Aided Engineering studies; Development of original software: numerical programming, databases, scientific visualisation, web, educational etc.; Effective involvement in solution finding processes in software and engineering ('hands-on') including experimental mechanics; Capability to analyse, understand and apply new concepts in software and engineering.</p>
Computer skills and competences	<p>Skilled user; Analysis and programming: experience since 1984; more than 120 000 computer code lines written for various turn-key applications: numerical programming, databases, graphics, web etc., in different domains of science; experience confirmed at international top level (Principal researcher in an ITEA project); High adaptability; Willingness to acquire knowledge in recognizing patterns across distinct science domains, in artificial intelligence and in metaheuristics, with practical applications; willingness to create advanced software instruments for interdisciplinary and inter-domains modelling.</p>
Artistic skills and competences	Music, Literature
Other skills and competences	Volleyball
Driving licence	Category B

Additional information

Accomplishments in science:

- several grants, including scientific research national contracts on competitive basics, (including the contracts for industry);
- more than 150 scientific papers and articles (1 SAE, 4 ASME, 2 articles, 59 WoS papers);
- several awards for scientific research in mathematics, computer aided geometry (undergraduate level) and other awards in the postgraduate period;
- 8 books;
- scientific reviewer, chairman / co-chairman at international conferences.

Annexes

1. PhD Diploma in Cybernetics and Economic Statistics, 2007
2. PhD Diploma in Mechanical Engineering, 2001
3. Recognition: Diploma awarded by The General Association of the Engineers from Romania, Strength of Materials Society, for the PhD Thesis in Mechanical Engineering, March 2003
4. Mechanical Engineer Diploma, 1988
5. Advanced Project Management in Primavera P6, Oracle University, Certificate of Completion, 2011
6. Project Management Postgraduate Specialization Course Diploma, 2009
7. Managers for Environment Management Systems Specialization Course Diploma, 2009
8. Business Management Postgraduate Specialization Course Diploma, 2006
9. Computer Aided Design Course, 2006
10. Human Resources Management Course – Graduation Certificate, 2000
11. Trainmar Instructor's Workshop – Graduation Certificate , 2000
12. Computer Programmers Specialization Course, 1997
13. Cosmos Finite Element Method Introductory Course, 1997
14. Computer Aided Design Course, 1991
15. Experimental Mechanics Postgraduate Specialization Course – Diploma, 1991
16. Certificate of graduation of the Pedagogy course, 1990
17. Honorary degree – Bologna Professor, 2010