Elena Mereuta



PERSONAL INFORMATION ELENA MEREUTA



47 Domneasca Street zip code 800008 Galati, Romania,

+040336130105

emereuta@ugal.ro

Sex Female | | Nationality Romanian

WORK EXPERIENCE

From 20.02.2020 – present Vice rector

Dunarea de Jos University of Galati, www.ugal.ro

VICE-RECTOR for teaching activity, quality assurance and international relations

Business or sector Higher Education

Dunarea de Jos University of Galati, www.ugal.ro

VICE-RECTOR for didactic activity

Doctoral supervisor since 2007 (OM 1805 / 20.08.2007)

Business or sector Higher Education

April 2012 - 22.02.2016 Vice

Vice dean

Dunarea de Jos University of Galati, <u>www.ugal.ro</u> Faculty of Engineering, www.ing.ugal.ro

Main activities and responsibilities: teaching, research, managerial

Business or sector Higher Education

June 2009 – February 2012

Chancellor of Dunarea de Jos University Senate

Dunarea de Jos University of Galati, www.ugal.ro

Main activities and responsibilities: teaching, research, managerial

Business or sector Higher Education

February 2008 - June 2009

Vice dean

Dunarea de Jos University of Galati, <u>www.ugal.ro</u> Faculty of Mechanical Engineering , www.ing.ugal.ro

Main activities and responsibilities: teaching, research, managerial

Business or sector Higher Education

April 2004 - February 2008

Scientific secretary

Dunarea de Jos University of Galati, www.ugal.ro Faculty of Mechanical Engineering , www.ing.ugal.ro

Main activities and responsibilities: teaching, research, managerial

Business or sector Higher Education

March 2001 - February 2008

Associate professor

Dunarea de Jos University of Galati, www.ugal.ro

Faculty of Mechanical Engineering , www.ing.ugal.ro, Graphics, Mechanisms, Tolerances Department

Main activities and responsibilities: teaching, research

Business or sector Higher Education

March 1999 - March 2001

Senior lecturer

Dunarea de Jos University of Galati, www.ugal.ro

Faculty of Mechanical Engineering, www.ing.ugal.ro, Graphics, Mechanisms, Tolerances Department

Main activities and responsibilities: teaching, research



October 1990 - March 1999

Assistant professor

Dunarea de Jos University of Galati, www.ugal.ro

Faculty of Mechanical Engineering, www.ing.ugal.ro, Graphics, Mechanisms, Tolerances Department

Main activities and responsibilities: teaching, research

Business or sector Higher Education

Business or sector Higher Education

September 1987 – november 1990

Junior engineer

Braila Shipyard,

Main activities and responsibilities: naval architecture

Business or sector Industry

Professional experience in quality management 25.01.2007- 18.05.2017

Counsellor within the Academic Quality Assurance Service

2008-present

ARACIS expert evaluator for quality assurance of study programs registered in the national register of experts

EDUCATION AND TRAINING

1992- February 1999

PhD Eng. in Technical Sciences, Theory of Mechanisms and Machines

Level 8

Dunarea de Jos University of Galati, www.ugal.ro

- Mathematical and numerical Modelling of Mechanical Structures
- Simulation
- Tailor made software for mechanical analysis
- The most advanced and specialised skills and techniques, including synthesis and evaluation, required to solve critical problems in research.

1993 – 1998

Economist

Level 7

- Faculty of Economics, Law and Administration of Galati, Dunarea de Jos University of Galati, <u>www.ugal.ro</u>
- Area of expertise Accounting and Management Information Systems, Economical disciplines (Accounting, Internal management, Balance theory, Economics, Finances etc.)

1982 – 1987

Naval Engineer

Level 7

 Faculty of Mechanical Engineering, Naval Architecture Dunarea de Jos University of Galati, www.ugal.ro

Technical disciplines (Theoretical Mechanics, Applied Mechanics, Machine Parts, Strength of materials, Vibrations etc.).

Specialized disciplines (Naval Theory, Ship Statics and Dynamics, Calculation and construction of ships, Fluis mechanics, etc.)

• Fundamental disciplines (Mathematics, Physics, Computer programming etc.).

PERSONAL SKILLS

Mother tongue(s)

Romanian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2
B2	B2	B2	B2	B2
B2	B2	B2	B2	B2

English

French

Italian





Graduation certicate. 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 gained through my experience as teacher
- Collegial spirit;
- Excellent teamwork skills gained through numerous projects and activities in higher education;
- Ability to adapt to the needs of young students, as result of over 25 years of interaction with young students from different social environments;
- Ability to integrate in different environments, and to be efficient, even in in stressful situations

Organisational / managerial skills

- Leadership acquired in managerial activity at faculty level and university level
- Leadership positions held:
- Vicerector of Dunarea de Jos" University, educational and quality assurance activity
- Chancellor of "Dunarea de Jos" University Senate, Galati
- Vice-dean, scientific secretary Faculty of Mechanical Engineering,
- Manager of Galati University Press Publishing House
- Research Projects Manager
- Organization of teaching activities, practical activities curriculum development, organizing student practice;
- Collaboration and cooperation in research teams as member of research teams and as member of research centre.

Digital skills

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

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

Replace with your other computer skills. Specify in what context they were acquired. Example:

- Very good command of office suite (word processor, spread sheet, presentation software)
- Very good command of AutoCAD software gained as teacher;
- Very good command of Inventor software gained as amateur;
- Very good command of SolidEdge software gained as teacher;
- Very good command of WorkingModel software gained as teacher.
- Good command of specialized mathematical statistics software (R, Matlab, SPSS)
- Good command of simple ANOVA statistical dispersion analysis techniques, with repeated measurements; factor;
- Good command of the mobile media method to characterize the time series;
- Good command of analytical methods to determine the trend of time series;
- Good command of Pascal programming.

Driving licence

В

ADDITIONAL INFORMATION



Projects

Project Manager "Harmonization of the education-quality-ethics trinomial with the requirements of European higher education (ADEQUATE)", project code: CNFIS-FDI-2018-0261.

Education expert, Research of excellence from the "Dunărea de Jos" University of Galați - pole of competitiveness and scientific and applied performance CNFIS-FDI-2019-0063

Education expert, POCU / 380/6/13/124539 - Scholarships for entrepreneurial education among doctoral students and postdoctoral researchers, (BeEntrepreneur!)

Education Expert, CNFIS-FDI-2020-0336 Increasing access to and integration into higher education through measures to reduce university dropout and career counseling for students

Education expert within the project CNFIS-FDI-2018-0269, Project title: Supporting the performance, competitiveness, visibility and connection to the needs of society of research excellence from the University "Dunărea de Jos" in Galaţi (SUSTAIN)

Education expert within the project CNFIS-FDI-2018-0273, Increasing social inclusion by advising students and adapting curricula according to labor market requirements

Expert implementation of activities within the project Increasing the employment rate of university graduates by adapting study programs and setting up new ones CNFIS FDI - 2017-0077

Education expert within the project IT platform for activity management (π -Mac) CNFIS FDI-2017-0106

Project Manager Electronic platform for student activity management and study follow-up (PEGASUS) CNFIS FDI-2016-0022

Quality management expert within the project entitled "Virtual community for quality assurance and improvement of strategic and innovative management in technical and composite universities, in order to increase the relevance of higher education for the labor market - ACAD-INOV", Contract POSDRU / 155 / 1.2 / S / 141 884

Expert within the project Quality and continuity of training within the cycle of doctoral studies TOP ACADEMIC Contract POSDRU 107 / 1.5 / S / 76822

Member of the research contract team 648/2015, Analysis of hazardous medical waste management related to private medical units in the territory of Galati County in the period 2013-2014 that are in contract with SC ECO FIRE SISTEMS SRL Constanta Galati branch Research laboratory manager - Contract 622 / 11.03.2014, project ID 1815, code SMISCSNR 48745 MoRAS, POSCCE ID 1815, Project title: Romanian Center for Modeling Recirculating Aquaculture Systems

Project manager Grant type A 2006, theme 3, CNCSIS code 531, contract no. 53GR / 05.05.2006, 20,000 RON, ALGORITHMS AND CALCULATION PROGRAMS FOR THE MATHEMATICAL MODELING OF THE MOVEMENT OF NONDESMODROME MECHANICAL STRUCTURES;

Project scientific manager, CEEX-M3 code 12383/2006, Contract no.116 / 2006, director associate professor loan Baicu, PhD - ORGANIZATION OF THE INTERNATIONAL CONFERENCE ON ENGINEERING GRAPHICS AND DESIGN, SECOND EDITION

Project team member CEEX M1-373 / 2006 -2008 Biomechanical model for the execution, testing and optimization of the hip prosthesis, Dunărea de Jos University of Galaţi / 1,068,875 RON, Contract value UDJ=930725 RON;

Member of the contract team no. 34976/2001, theme 18, CNCSIS Code 548, DEVELOPMENT OF A NEW TYPE OF CYLINDRICAL GEAR WITH CURVED TEETH FROM COMPOSITE MATERIALS, project director Andrei Gabriel

Responsible for planning and monitoring teaching activities, Phare Project no. 03/2006, within the program Promoting Human Capital from the Phare Budget Line / 2004 / 016-772.04.02 TRAINING PROGRAM FOR DEVELOPING SKILLS IN COMPUTER AIDED DESIGN

Member of the contract team no. 448/2004, financed by CNCSIS, SYNTHESIS, ANALYSIS AND PROCESSING OF NEW NON-STANDARDIZED GEARS, FROM POLYMERIC NANOCOMPOSITES; project director Andrei Laurentia

Research laboratory manager - Contract 622 / 11.03.2014, project ID 1815, code SMIS-CSNR 48745 MoRAS, POSCCE ID 1815, Project title: Romanian Center for Modeling Recirculating Aquaculture Systems

Curriculum Vitae Elena Mereuta



Publications ISI/Scopus

Mihaela Debita, Carmina Musat, Elena Mereuta, Madalina Rus, Claudiu Mereuta, Iuliu Fulga, Daniel Ganea. Hazardous private healtcare waste management and forecast of medical waste generation, Revista de Chimie, 9, 2017, ISSN 0034-7752, factor de impact 1.605;

Ganea, D.; Mereuta, E.; Rusu, E. An Evaluation of the Wind and Wave Dynamics along the European Coasts. J. Mar. Sci. Eng. 2019, 7, 43 (IF = 1.732).

Ganea, D.; Mereuta, E.; Rusu, L. Estimation of the Near Future Wind Power Potential in the Black Sea. Energies 2018, 11, 3198 (IF = 2.707).

Ganea, D.; Amortila, V.; Mereuta, E.; Rusu, E. A Joint Evaluation of the Wind and Wave Energy Resources Close to the Greek Islands. Sustainability 2017, 9, 1025 (IF = 2.592).

Rusu, L.; Ganea, D.; Mereuta, E. A joint evaluation of wave and wind energy resources in the Black Sea based on 20-year hindcast information. Energy Explor. Exploit. 2018, 36, 335–351 (IF = 1.946).

Mereuta, Elena; Mereuta, Claudiu. Quantitative Mathematical Models for Assessing the Psychological and Pedagogical Processes, Conference: 3rd World Conference on Psychology, Counselling and Guidance (WCPCG) Location: Efes, TURKEY Date: MAY 09-12, 2012 3RD WORLD CONFERENCE ON PSYCHOLOGY, COUNSELING AND GUIDANCE, WCPCG-2012 Book Series: Procedia Social and Behavioral Sciences Volume: 84 Pages: 1606-1610 Published: 2013

Mereuta, E.; Ciubucciu-Ionete, G.; Rus, M.; et al., Unconventional Mathematical Model for Complex Mechanical Structures, Conference: 10th International Symposium on Science of Mechanisms and Machines Location: Brasov, ROMANIA Date: OCT 12-15, 2009, SYROM 2009: PROCEEDINGS OF THE 10TH IFTOMM INTERNATIONAL SYMPOSIUM ON SCIENCE OF MECHANISMS AND MACHINES, 2009 Pages: 325-+ Published: 2010

Mereuta, Claudiu; Mereuta, Elena. Study on the Influence of Plantar Surface on Energetic and Control Parameters, Conference: 4th International Conference on Education and Sports Education (ESE) Location: Hong Kong, PEOPLES R CHINA Date: APR 11-12, 2013, Sponsor(s): Hong Kong Educ Soc; Singapore Management & Sports Sci Inst, 2013 FOURTH INTERNATIONAL CONFERENCE ON EDUCATION AND SPORTS EDUCATION (ESE 2013), PT II Book Series: Lecture Notes in Management Science Volume: 12 Pages: 595-598 Published: 2013,

Rus, Madalina; Mereuta, Elena; Veresiu, Silvia. Aspects of Quality Assurance in Glass Bricks Manufacturing Process, Conference: 17th International Conference on Innovative Manufacturing Engineering Location: Iasi, ROMANIA Date: MAY 23-24, 2013, INNOVATIVE MANUFACTURING ENGINEERING Book Series: Applied Mechanics and Materials Volume: 371 Pages: 817-821 Published: 2013,

Mereuta, Claudiu; Mereuta, Elena. Psychomotor Stimulation of Students in Physical Education Using Audiovisual Media, Conference: 3rd World Conference on Psychology, Counselling and Guidance (WCPCG) Location: Efes, TURKEY Date: MAY 09-12, 2012, 3RD WORLD CONFERENCE ON PSYCHOLOGY, COUNSELING AND GUIDANCE, WCPCG-2012 Book Series: Procedia Social and Behavioral Sciences Volume: 84 Pages: 1611-1616 Published: 2013,

Rus, M.; Veresiu, S.; Mereuta, E.; et al., The Monitorisation of the Motion of Differential Gears, Conference: 10th International Symposium on Science of Mechanisms and Machines Location: Brasov, ROMANIA Date: OCT 12-15, 2009, SYROM 2009: PROCEEDINGS OF THE 10TH IFTOMM INTERNATIONAL SYMPOSIUM ON SCIENCE OF MECHANISMS AND MACHINES, 2009 Pages: 397-+Published: 2010,

Oranescu, A; Mereuta, E; Stroe, GS, New principles on the equivalence classes of the topologies of rigid multibody systems, Conference: 11th World Congress in Mechanism and Machine Science Location: Tianjin, PEOPLES R CHINA Date: APR 01-04, 2004, ELEVENTH WORLD CONGRESS IN MECHANISM AND MACHINE SCIENCE, VOLS 1-5, PROCEEDINGS Pages: 999-1003 Published: 2004

Razmerita, G; Mereuta, E; Baicu, I ,Spatial mechanisms configuration related to solids intersection, Conference: 11th World Congress in Mechanism and Machine Science Location: Tianjin, PEOPLES R CHINA Date: APR 01-04, 2004, ELEVENTH WORLD CONGRESS IN MECHANISM AND MACHINE SCIENCE, VOLS 1-5, PROCEEDINGS Pages: 1098-1102, Published: 2004,

Ganea, D., Mereuta, E., Rusu, L., The economic aspects of extracting wind energy in Romania, 2019, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 19(4.2), pp. 375-382

Rus, M., Mereuta, E., Veresiu, S., Wave parameters distribution in coast region of Bulgaria, 2019, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 19(4.1), pp. 611-618

Veresiu, S., Rus, M., Mereuta, E., Wind power prediction in the Dobrogea region of Romania, 2019, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 19(4.1), pp. 619-625



Ganea, D., Rusu, L., Mereuta, E., Joint evaluation of the future wave and wind energy close to Bulgaria and Romania coastlines, 2019, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 19(4.1), pp. 291-297

Ganea, D., Rusu, L., Mereuta, E., Turbines evaluation in the nearshore and offshore of the black sea, 2019, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 19(4.1), pp. 585-592

Humelnicu, C., Mereuta, E., Amortila, V., Gingarasu, M., Fatigue polymeric materials - Air pollution factor, 2019, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 19(4.2), pp. 221-228

Gingarasu, M., Mereuta, E., Amortila, V., Humelnicu, C., The influence of the vehicle steering system missalignment on the environment, 2019, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 19(4.2), pp. 295-302

Amortila, V., Mereuta, E., Humelnicu, C., Gingarasu, M., The vibration and noise pollution's impact on the driver, 2019, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 19(4.1), pp. 1143-1150

Humelnicu, C., Mereuta, E., Amortila, V., Gingarasu, M., Reducing the air pollution impact of the recycled auto vehicles, 2019, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 19(4.1), pp. 1053-1060

Gingarasu, M., Mereuta, E., Amortila, V., Humelnicu, C., The influence of vehicle diagnosis on reducing gas emissions that affects the earth's climate system, 2019, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 19(4.1), pp. 1109-1115

Amortila, V., Mereuta, E., Humelnicu, C., Gingarasu, M., Monica, N., Controversy about car pollution: The electric vehicle or the classic vehicle? 2019, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 19(4.2), pp. 193-200

Humelnicu, C., Amortila, V., Mereuta, E., Fatigue life investigation on a MAC engine piston, MATEC Web of Conferences, 178,06013

Amortila, V., Mereuta, E., Veresiu, S., Rus, M., Humelnicu, C., Positioning study of driver's hands in certain areas of the steering wheel, 2018, MATEC Web of Conferences, 178,06014 Ganea, D., Mereuta, E., Rusu, L., Future projection of the wind power potential for the Romania territory, 2018, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 18(4.3), pp. 479-486

Ganea, D., Rusu, L., Mereuta, E., Study of the winter extreme wind in the black sea in the context of the climate changes, 2018, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 18(4.1), pp. 659-666

Ganea, D., Mereuta, E., Rusu, L., Analysis of the present and near future wind conditions in the western side of the black sea, 2018, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 18(4.1), pp. 127-134

Humelnicu, C., Amortila, V., Mereuta, E., Neural networks as optimization tools for fuel consumption, 2018, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 18(4.2), pp. 531-537

Humelnicu, C., Amortila, V., Gingarasu, M., Mereuta, E., Damaging by tribo-fatigue and test rig design, 2018, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 18(4.3), pp. 235-242

Amortila, V., Mereuta, E., Humelnicu, C., Gingarasu, M., Driver's biomechanics influence on air pollution, 2018, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 18(4.3), pp. 251-258

Amortila, V., Mereuta, E., Ganea, D., Humelnicu, C., Ciortan, S., Auto transportation-an important factor in polluation growth and in atmospheric changes, 2018, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 18(4.2), pp. 349-356

Mereuta, C., Ganea, D., Mereuta, E., Innovative mechatronic system for testing laterality, 2017, MATEC Web of Conferences 112,08006

Ganea, D., Mereuta, E., Veresiu, S., Rus, M., Amortila, V., Analysis of reaction forces in human ankle joint during gait, 2017, MATEC Web of Conferences 112,07019

Ganea, D., Mereuta, E., Veresiu, S., Rus, M., Amortila, V., Experimental tests for foot pressure analysis during orthostatic position and gait, 2017, MATEC Web of Conferences, 112,08009 Veresiu, S., Mereuta, E., Rus, M., Ganea, D., Amortila, V., Forecast of a quality indicator in academic activity using statistical methods, 2017, MATEC Web of Conferences, 112,08008 Amortila, V., Mereuta, E., Ganea, D., Rus, M., Veresiu, S., Experimental test for exhaust gases recirculation system diagnostic based on gas index coefficient, 2017, International Multidisciplinary Scientific GeoConference, SGEM 17(41), pp. 433-440.

Elena Mereuta

Curriculum Vitae Elena Mereuta



Monographs, specialized books and didactic publications

Elena Mereuţă, Daniel Ganea, Mădălina Rus, Silvia Vereşiu -MECANISME CU CAME - Editura Fundaţiei Universitare "Dunărea de Jos" Galaţi, 2015, ISBN 978-973-727-563-0, 120pag.

Mădălina Rus, Elena Mereuţă, Silvia Vereşiu, Daniel Ganea - MECANISME CU ROŢI DINŢATE - Editura Fundaţiei Universitare "Dunărea de Jos" Galaţi, 2015, ISBN 978-973-727-562-3, 80 pag.

Silvia Vereşiu, Elena Mereuţă, Mădălina Rus, Daniel Ganea - MECANISME CU BARE - Editura Fundaţiei Universitare "Dunărea de Jos" Galaţi, 2015, ISBN 978-973-727-561-61, 80 pag.

Mereuţă, E Algoritmi şi programe de calcul pentru modelarea matematică a mişcării structurilor mecanice complexe, Editura Fundaţiei Universitare "Dunărea de Jos" Galaţi, 2006, ISBN (10) 973-627-334-2, ISBN (13) 978-973-627-334-6, 214 pag.

Mereuță, E., Analiza și sinteza mecanismelor, Editura Didactică și Pedagogică, 2007, ISBN 978-973-30-1647-2, 300 pag.

Mereuţă Elena, Rus Mădălina, Mereuţă Claudiu – Managementul calităţii, Editura Academica, Galaţi 2006, ISBN 973-8316-94-4, 131 pag

Mereută Claudiu, Mereuță Elena – Pachete integrate de aplicații - Editura Academica, Galați 2006, ISBN 973-8316-95-2, 109 pag.109

Mereuţă, E, Bazele economiei Editura Fundaţiei Universitare "Dunărea de Jos" Galaţi, 2006, ISBN (10) 973-627-293-1, ISBN (13) 978-973-627-293-6, 107pag.

Mereuță, E, Bazele contabilității, Universitatea "Dunărea de Jos" Galați, 2006.

Mereuţă Elena, Rus Mădălina Geometrie descriptivă – Editura Fundaţiei Universitare "Dunărea de Jos" Galaţi, 2005, ISBN973-627-251-6, 117pag.

Şolea D., Morărescu, A., Tocariu, L., Andrei. L., Mereuţă, E., Solea, L.Geometrie descriptivă şi desen tehnic- îndrumar pentru lucrări laborator Editura MONGABIT, Galaţi 2002, ISBN 973-8426-27-X

Orănescu, A., Mereuţă, E., Ghid pentru pregătirea doctoranzilor, Universitatea "Dunărea de Jos" Galaţi, vol. I, II, 2002, 108 pag.

Mereuţă, E. Grafică pe calculator Editura Mongabit, Galaţi 2001, ISBN 973-99923-8-2, 105 pagini

Mereuţă, E., Mecanisme * Editura Evrika, Brăila 2001, 229 pagini ISBN 973-8053-65-3

Mereuţă E., Bilanţuri contabile I, Universitatea "Dunărea de Jos" Galaţi, 2007. Mereuţă E., Calcul preţ şi cost, Universitatea "Dunărea de Jos" Galaţi, 2008.

Training internships

PhD training, 3 months, Universita Degli studi di Padova, Italia

01.02.2024