



Curriculum vitae

Personal information

First name / Surname **Ganea, Daniel**
Mobile number +40.748.122.490
E-mail Daniel.ganea@ugal.ro
Nationality Romanian
Date of birth 12.08.1985

Work experience

Dates **July 2017 - present**

Occupation or position held PhD Researcher in applied mathematics
Main activities and responsibilities PhD Researcher in applied mathematics for the project entitled "Evaluarea efectelor produse de schimbările climatice asupra condițiilor de val din Marea Neagră", ID number: PN-III-P4-ID-PCE-2016-0028.
Name and address of employer University "Dunărea de Jos" from Galati, Faculty Engineering

Dates **November 2015**

Occupation or position held Expert selection workshop
Main activities and responsibilities Expert selection workshop - Project: „Proiectează-ți cariera!”, ID number: POSDRU/161/2.1/G/136624
Name and address of employer University "Dunărea de Jos" from Galati, Faculty Engineering

Dates **September 2014 – present**

Occupation or position held University assistant
Main activities and responsibilities Didactic and research activities
Name and address of employer University "Dunărea de Jos" from Galati, Faculty Engineering

Dates **May 2014 – present**

Occupation or position held Engineer III
Main activities and responsibilities Technical support
Name and address of employer University "Dunărea de Jos" from Galati

Dates **February 2014 – May 2014**

Occupation or position held Associate Assistant
Main activities and responsibilities Didactic and research activities
Name and address of employer University "Dunărea de Jos" from Galati, Faculty Engineering

Dates **April 2010 – September 2011**

Occupation or position held Network technician
Main activities and responsibilities Global banking network management
Name and address of employer Selir Srl, Galati, Romania

Dates **June 2007 – April 2010**

Occupation or position held Economic clerk
Main activities and responsibilities Banking operations
Name and address of employer Selir Srl, Galati, Romania

Education and training

Dates **October 2010 – November 2013**

Title of qualification awarded PhD degree in Applied Mechanics - Human lower limb biomechanics
Principal subjects / occupational skills covered Mechanical Engineering domain

Name and type of organization providing education and training University "Dunărea de Jos" from Galati, Faculty of Mechanical Engineering

Dates **October 2009– July 2011**

Title of qualification awarded Master's degree in Management of quality system in industrial engineering

Principal subjects / occupational skills covered Industrial Engineering / Quality Management in Industrial Engineering

Name and type of organization providing education and training University "Dunărea de Jos" from Galati, Faculty of Mechanical Engineering

Dates **October 2004 – June 2009**

Title of qualification awarded Engineering degree in Industrial economic engineering

Principal subjects / occupational skills covered Industrial Economic Engineering domain

Name and type of organization providing education and training University "Dunărea de Jos" from Galati, Faculty of Mechanical Engineering

Research internship abroad

February 2012 – June 2012

Vrije University of Brussels, Belgium, Faculty of Applied Sciences, Department of Mechanical Engineering, Robotics & Multi body Mechanics Group

Personal skills and competences

Mother tongue **Romanian**

Other language(s)

Self-assessment

European level ()*

UNDERSTANDING

SPEAKING

WRITING

Listening

Reading

Spoken interaction

Spoken production

English

C2

C2

C1

C1

C1

Italian

C1

C1

C1

C1

C1

Training

Msc ADAMS course;
Certificate in computer science;

Computer skills and competences

Design / Modeling: AutoCAD, Inventor, MSC Adams;
Programming: Java, C++;
IT Technical support: Client Windows / Linux, Server Windows, Network hardware (Router / Switch), VoIP, Printers;
Virtualization: VM Virtual Box, VMware, GNS3.

Driving licence

Category B

ANNEX

LIST OF RELEVANT PUBLICATIONS AND PARTICIPATION TO RESEARCH PROJECTS

A. PhD Thesis

1. Daniel Ganea – „Studiul dinamicii lanțului cinematic al membrului inferior uman cu sistem de camere kinect”, Universitatea „Dunărea de Jos” Galați, Facultatea de Mecanică, susținută public la data de 30.10.2013.
Link web: <https://www.arthra.ugal.ro/handle/123456789/2875>

B. Books

1. Silvia Vereșiu, Elena Mereuță, Mădălina Rus, **Daniel Ganea** – „Mecanisme cu bare”, Editura Fundației Universitare „Dunărea de Jos” din Galați, 180 pag. ISBN 978-973-727-561-6, 2015;
Link web: http://193.231.136.4/opac/bibliographic_view/592455;jsessionid=540107A74B43A54B971CE F5807E757BD
2. Mădălina Rus, Elena Mereuță, Silvia Vereșiu, **Daniel Ganea** - „Mecanisme cu roți dințate”, Editura Fundației Universitare „Dunărea de Jos” din Galați, 80 pag. ISBN 978-973727-562-3, 2015;
Link web: http://193.231.136.4/opac/bibliographic_view/592459;jsessionid=540107A74B43A54B971CE F5807E757BD
3. Elena Mereuță, **Daniel Ganea**, Mădălina Rus, Silvia Vereșiu - „Mecanisme cu came”, Editura Fundației Universitare „Dunărea de Jos” din Galați, 120 pag. ISBN 978-973-727-563-0, 2015.
Link web: http://193.231.136.4/opac/bibliographic_view/592461;jsessionid=540107A74B43A54B971CE F5807E757BD

C. Scientific articles published in ISI journals

1. **Daniel Ganea**, Valentin Amortila*, Elena Mereuta and Eugen Rusu - „A Joint Evaluation of the Wind and Wave Energy Resources Close to the Greek Islands”, MDPI, Sustainability 2017, 9(6), 1025; doi:10.3390/su9061025, ISSN 2071 – 1050, factor de impact pe 2016 = 1.789; Link web articol: <http://www.mdpi.com/2071-1050/9/6/1025/html>
2. Stefan Catalin Pintilie*, Laurentia Geanina Tiron, Iulian Gabriel Birsan, **Daniel Ganea**, Stefan Balta - „Influence of ZnO Nanoparticle Size and Concentration on the Polysulfone Membrane Performance”, Materiale Plastice 2017, 54(2), ISSN: 0025-5289, factor de impact pe 2016 = 0.778;
Link web articol: <http://www.revmaterialeplastice.ro/pdf/13%20PINTILIE%20S%202%2017.pdf>

D. Scientific articles published in ISI Proceedings

1. Valentin Amortila, Elena Mereuta, **Daniel Ganea**, Madalina Rus, Silvia Veresiu - „Experimental test for exhaust gases recirculation system diagnostic based on gas index coefficient”, 17 International Multidisciplinary Scientific GeoConference SGEM 2017, 27 June - 6 July, 2017;
2. **Daniel Ganea**, Elena Mereuta, Silvia Veresiu, Madalina Rus and Valentin Amortila – „Experimental tests for foot pressure analysis during orthostatic position and gait” – IManEE International Conference 2017;
Link web articol: www.mateconferences.org/articles/mateconf/pdf/2017/26/mateconf_imane2017_08009.pdf
3. **Daniel Ganea**, Elena Mereuta, Silvia Veresiu, Madalina Rus and Valentin Amortila – „Analysis of reaction forces in human ankle joint during gait” - IManEE International Conference 2017;
Link web articol: www.mateconferences.org/articles/mateconf/pdf/2017/26/mateconf_imane2017_07019.pdf
4. Claudiu Mereuta, Elena Mereuta, **Daniel Ganea** – „Innovative mechatronic system for testing laterality” - IManEE International Conference 2017;
Link web articol: www.mateconferences.org/articles/mateconf/pdf/2017/26/mateconf_imane2017_08006.pdf
5. Silvia Veresiu, Elena Mereuta, Madalina Rus, **Daniel Ganea**, Valentin Amortila – „Forecast of a quality indicator in academic activity using statistical methods” - IManEE International Conference 2017;
Link web articol: www.mateconferences.org/articles/mateconf/pdf/2017/26/mateconf_imane2017_08008.pdf

6. Mereuta Elena, **Ganea Daniel**, Mereuta Claudiu - „Estimation of shoulder joint reaction forces and moments using mbs dynamic modeling” - OPTIROB 2014, Applied Mechanics and Materials Vol. 555 (2014) pp 707-712, DOI 10.4028/www.scientific.net/AMM.555.701;
Link web articol: www.scientific.net/AMM.555.701
7. **Ganea Daniel**, Mereuta Elena, Mereuta Claudiu – „Human Body Kinematics and the Kinect Sensor” - OPTIROB 2014, Applied Mechanics and Materials Vol. 555 (2014) pp 701-707 DOI 10.4028/www.scientific.net/AMM.555.707;
Link web articol: www.scientific.net/AMM.555.707

E. Scientific articles published in BDI journals

1. Mereuta Elena, Tudoran Marian, **Ganea Daniel**, Mereuta Claudiu – „Estimating the muscle force using a kinematic model of the human upper limb” - The 11th IFToMM International Symposium on Science of Mechanisms and Machines Mechanisms and Machine Science Volume 18, 2014, pp 179-184, DOI 10.1007/978-3-319-01845-4_18, Print ISBN 9783-319-01844-7, Online ISBN 978-3-319-01845-4;
Link web articol: http://link.springer.com/chapter/10.1007%2F978-3-319-01845-4_18
2. Mereuta Elena, Tudoran Marian, **Ganea Daniel**, Mereuta Claudiu – „Virtual Model for Kinematic Analysis of Human Upper Limb”, The 11th IFToMM International Symposium on Science of Mechanisms and Machines Mechanisms and Machine Science Volume 18, 2014, pp 169-178, DOI 10.1007/978-3-319-01845-4_17, Print ISBN 978-3-319-01844-7, Online ISBN 978-3-319-01845-4;
Link web articol: http://link.springer.com/chapter/10.1007/978-3-319-01845-4_17
3. Elena Mereuta, **Daniel Ganea**, Claudiu Mereuta, SilviuEpure – „MBS dynamics for assessing the reaction forces and torques in elbow joint” - Procedia Social and Behavioral Sciences 137 (2014) 50 – 56, ,doi:10.1016/j.sbspro.2014.05.252.
Link web articol: <http://www.sciencedirect.com/science/article/pii/S1877042814036842>
4. Claudiu Mereuta, **Daniel Ganea**, Elena Mereuta – „The influence of spatial perception on control and energetic parameters” - Procedia - Social and Behavioral Sciences 137 (2014) 57 – 64, doi:10.1016/j.sbspro.2014.05.251;
Link web articol: <http://www.sciencedirect.com/science/article/pii/S1877042814036830>
5. Claudiu Mereuta, **Daniel Ganea**, Elena Mereuta – „Experimental study on the constant perception based on the coordinates of center of gravity”, THE ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI, PHYSICAL EDUCATION AND SPORT MANAGEMENT, FASCICLE XV, 2016, CNCSIS CODE 644, B+ category, ISSN-L 1454 - 9832, ISSN 2344 – 4584;
Link web articol: <http://www.efms.ugal.ro/index.php/archiva/2016/114-volumul-2-2016>
6. Claudiu Mereuta, **Daniel Ganea**, Elena Mereuta – „Experimental research on space and motion control estimation” - THE ANNALS OF „DUNAREA DE JOS” UNIVERSITY OF GALATI, PHYSICAL EDUCATION AND SPORT MANAGEMENT, FASCICLE XV, 2016, CNCSIS CODE 644, B+ category, ISSN-L 1454 - 9832, ISSN 2344 – 4584;
Link web articol: <http://www.efms.ugal.ro/index.php/archiva/2016/114-volumul-2-2016>
7. **Daniel Ganea** – „Thigh muscles electromyography research” - ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI, FASCICLE XV ISSN – 1454 – 9832 – 2015; ISSN-L 1454 – 9832, vol. 2 2015;
Link web articol: <http://www.efms.ugal.ro/index.php/archiva/2015/111-2015-2>
8. **Ganea Daniel**, Fetecău Cătălin, Mihai Mihăiță, Ceangă Emil – „Review of the 10th conference held by the academy of technical sciences of romania” - THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI Fascicle V, Technologies in Machine Building, ISSN 1221-4566, 2015;
Link web articol: <http://www.cmrs.ugal.ro/TMB/2015.htm>
9. Mereuta Claudiu, Mereuta Elena, **Daniel Ganea**, Silviu Epure – „Tests for assessing the athletic skills”, <http://gymnasium.ub.ro/component/content/article/85-about/105-about>, Scientific Journal of Education, Sports and Health (online - ISSN 2344-5645; ISSN-L 14530201), "Gymnasium",2015, DOAJ;
Link web articol: <http://gymnasium.ub.ro/images/arihive/2015-01.pdf>
10. **Daniel Ganea**, Elena Mereuta – „Kinetostatic analysis of knee joint using mbs simulation” - THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI, Fascicle V, Year XXXII (XXXVII), 2014, pag 61-64, CSA.
Link web articol: <http://www.cmrs.ugal.ro/TMB/2014.htm>

11. **Daniel Ganea**, Elena Mereuță, Claudiu Mereuță – „Forward kinematic analysis of the human lower limb” - ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI MATHEMATICS, PHYSICS, THEORETICAL MECHANICS FASCICLE II, YEAR V(XXXVI) 2013, No. 2;
Link web articol: http://www.phys.ugal.ro/Annals_Fascicle_2/Year2013/Annals%202013%20volume%20II.htm
12. **Daniel Ganea**, Elena Mereuta, Claudiu Mereuta – „Kinematic analysis of the human gait” - ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI MATHEMATICS, PHYSICS, THEORETICAL MECHANICS FASCICLE II, YEAR V (XXXVI) 2013, Nos. 1-2;
Link web articol: http://www.phys.ugal.ro/Annals_Fascicle_2/Year2013/Annals%202013%20volume%20I.htm
13. **Ganea D**, Tudoran M.S, Mereuță C - „Establishing the Active Space of the Human’s Lower Limb Using a Java Programming Sequence”, Scientific Bulletin of the “POLITEHNICA” University of Timisoara, Romania TRANSACTION on HYDROTECHNICS ISSN 1224-6042 Tom 58(72);
Link web articol: http://www.ct.upt.ro/icegd2013/ICEGD_2013.pdf
14. Tudoran M.S, **Ganea D**, Mereuță C. – „Graphical method for setting up the limits of the active space of human upper limb”, Scientific Bulletin of the “POLITEHNICA” University of Timisoara, Romania TRANSACTION on HYDROTECHNICS ISSN 1224-6042 Tom 58(72);
Link web articol: http://www.ct.upt.ro/icegd2013/ICEGD_2013.pdf
15. Tudoran M.S, **Ganea D**, Mereuță C – „Modelling the bones of the human upper limb – ”POLITEHNICA” University of Timisoara, Romania TRANSACTION on HYDROTECHNICS ISSN 1224-6042 Tom 58(72);
Link web articol: http://www.ct.upt.ro/icegd2013/ICEGD_2013.pdf
16. Marian TUDORAN, **Daniel GANEA**, Elena MEREUTA, Claudiu MEREUTA – „Experimental research regarding muscles activity” - Annals of “Dunarea de Jos” University of Galati, Fascicle XV, ISSN 1454-9832, 2012, pag 202-206;
Link web articol: <http://www.efms.ugal.ro/index.php/archiva/2012/104-anale-efsm-2012-nr2>
17. Marian TUDORAN, **Daniel GANEA**, Elena MEREUTA, Claudiu MEREUTA – „A model for studying the human upper limb kinematics”, Annals of “Dunarea de Jos” University of Galati, Fascicle XV, ISSN 1454-9832, 2012, pag 206-212;
Link web articol: <http://www.efms.ugal.ro/index.php/archiva/2012/104-anale-efsm-2012-nr2>
18. Marian Sorin TUDORAN, **Daniel GANEA**, Claudiu MEREUTA, Elena MEREUTA - „Establishing the 3D active space of human upper limb using AutoLisp” - Annals of “Dunarea de Jos” University of Galati, Fascicle XV, ISSN 1454-9832, 2012. pag 187-190;
Link web articol: <http://www.efms.ugal.ro/index.php/archiva/2012/101-anale-efsm-2012-nr1>
19. **Daniel GANEA**, Marian Sorin TUDORAN, Claudiu MEREUTA, Elena MEREUTA – „Using the Kinect sensor to study the kinematics of the human body” - Annals of “Dunarea de Jos” University of Galati, Fascicle XV, ISSN 1454-9832, 2012. pag 183-187;
Link web articol: <http://www.efms.ugal.ro/index.php/archiva/2012/101-anale-efsm-2012-nr1>
20. **Daniel GANEA**, Marian Sorin TUDORAN, Elena MEREUTA, Claudiu MEREUTA – „Inverse dynamic analysis of the human lower limbs during gait” - Annals of “Dunarea de Jos” University of Galati, Fascicle XV, ISSN 1454-9832, 2012 pag 102-106;
Link web articol: <http://www.efms.ugal.ro/index.php/archiva/2012/104-anale-efsm-2012-nr2>
21. **Daniel GANEA**, Marian Sorin TUDORAN, Elena MEREUTA, Claudiu MEREUTA - „Kinematic analysis of the lower limb during gait” - Annals of “Dunarea de Jos” University of Galati, Fascicle XV, ISSN 1454-9832, 2011, pag 106-109;
Link web articol: <http://www.efms.ugal.ro/index.php/archiva/2012/104-anale-efsm-2012-nr2>
22. G. L. Ionete, E. Mereuta, C. Mereuta, M. S.Tudoran, **D. Ganea** – „Linear kinematic analysis of Gyaku-Tsuki karate technique” - Annals of “Dunarea de Jos” University of Galati, Fascicle XV, ISSN 1454-9832, 2011, pag. 99-102;
Link web articol: <http://www.efms.ugal.ro/index.php/archiva/2011/95-2011-part1-open-access-p1>
23. G. L. Ionete, E. Mereuta, C. Mereuta, M. S.Tudoran, **D. Ganea** - „Experimental study of kinematics of Gyaku-Tsuki punch” - Annals of “Dunarea de Jos” University of Galati, Fascicle XV, ISSN 1454-9832, 2011, pag. 103-107;
Link web articol: <http://www.efms.ugal.ro/index.php/archiva/2011/96-2011-part1-open-access-p2>

24. **D. Ganea**, C. Mereuta, M. Tudoran, E. Mereuta – „Experimental method for determining the ground reaction and the orthostatic position” - Annals of “Dunarea de Jos” University of Galati, Fascicle XV, ISSN 1454-9832, 2011, pag. 27-32;
Link web articol: <http://www.efms.ugal.ro/index.php/archiva/2011/98-2011-part2-open-access>
25. M. Tudoran, C. Mereuta, **D. Ganea**, E. Mereuta – „A comparative study of graphical methods for determining the active area of the human upper limb” - Annals of “Dunarea de Jos” University of Galati, Fascicle XV, ISSN 1454-9832, 2011, pag. 101-105;
Link web articol: <http://www.efms.ugal.ro/index.php/archiva/2011/98-2011-part2-open-access>
26. M. Tudoran, **D. Ganea**, L.G. Ionete – „Establishing the active space of human’s upper limb using AutoLISP” - Buletinul Institutului Politehnic din Iasi, Tomul LVII (LXI), Fasc. 5, ISSN 1011-2855, 2011, pag. 199-206;
27. **D. Ganea**, M. Tudoran, L.G. Ionete – „Creating and simulating mechanical structures using UM features” - Buletinul Institutului Politehnic din Iasi, Tomul LVII (LXI), Fasc. 5, ISSN 1011-2855, 2011, pag. 207-214;
28. L.G. Ionete, M. Tudoran, **D. Ganea** – „Building and visualizing the human’s body motion using Vicon Motus (I)” - Buletinul Institutului Politehnic din Iasi, Tomul LVII (LXI), Fasc. 5, ISSN 1011-2855, 2011, pag. 229-234;
29. L.G. Ionete, M. Tudoran, **D. Ganea** – „Building and visualizing the human’s body motion using Vicon Motus (II)”, Buletinul Institutului Politehnic din Iasi, Tomul LVII (LXI), Fasc. 5, ISSN 1011-2855, 2011, pag. 235-240.

F. Scientific articles published in international conference proceedings

1. E. Mereuta, M. Tudoran, **D. Ganea**, C. Mereuta – „Mathematical and Virtual Model for Mechanical Structures with Free Connecting” Rod, Proceedings of the AMERICAN CONFERENCE on APPLIED MATHEMATICS (AMERICAN-MATH '12), Harvard, Cambridge, USA January 25-27, 2012, ISBN: 978-1-61804-064-0, pag 345-349;
Link web articol: <http://www.wseas.us/e-library/conferences/2012/CambridgeUSA/MATHCC/MATHCC-54.pdf>

G. Participation to relevant research projects

1. PhD Researcher in applied mathematics for the project entitled “Evaluarea efectelor produse de schimbările climatice asupra condițiilor de val din Marea Neagră”, ID number PN-III-P4-ID-PCE-2016-0028.

September 2017

Daniel Ganea
