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SCIENTIFIC PUBLICATIONS

Q1/Q2 papers		
1	Andrei-Alexandru Tulbure, Adrian-Alexandru Tulbure, Eva-Henrietta Dulf*	A review on modern defect detection models using DCNNs – Deep convolutional neural networks, Journal of Advanced Research, 2022, vol. 35Page33-48, DOI10.1016/j.jare.2021.03.015 https://www.sciencedirect.com/science/article/pii/S2090123221000643
2	Alexandru G. Berciu, Eva H. Dulf* and Iulia A. Stefan	Flexible Augmented Reality-Based Health Solution for Medication Weight Establishment, Processes 2022, 10(2), 219; https://doi.org/10.3390/pr10020219
3	Eva-H. Dulf, Marius Bledea, Teodora Mocan, Lucian Mocan	Automatic Detection of Colorectal Polyps Using Transfer Learning , Sensors 2021, 21(17), 5704; https://doi.org/10.3390/s21175704
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5	Oana Margin, Eva-H. Dulf*, Teodora Mocan, Lucian Mocan	Modelling in Synthesis and Optimization of Active Vaccinal Components, Nanomaterials 2021, 11(11), 3001; https://doi.org/10.3390/nano11113001
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7	Noémi Lorenzovici, Eva-H. Dulf*, Teodora Mocan, Lucian Mocan	Artificial Intelligence in Colorectal Cancer Diagnosis Using Clinical Data: Non-Invasive Approach , Diagnostics 2021, 11(3), 514; https://doi.org/10.3390/diagnostics11030514
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10	EH Dulf	Simplified Fractional Order Controller Design Algorithm, Mathematics 2019, 7 (12), 1166, https://www.mdpi.com/2227-7390/7/12/1166
11	Clara M.Ionescu, Eva H.Dulf, Maria Ghita, Cristina I.Muresan	Robust Controller Design: Recent Emerging Concepts for Control of Mechatronic Systems, Journal of the Franklin Institute, 4 June 2020, https://doi.org/10.1016/j.jfranklin.2020.05.046
12	G Catargiu, EH Dulf*, LC Miclea	Connected Bike-smart IoT-based Cycling Training Solution, Sensors 2020, 20 (5), 1473, https://www.mdpi.com/1424-8220/20/5/1473
13	I Birs, S Folea, O Prodan, E Dulf, C Muresan	An Experimental Tuning Approach of Fractional Order Controllers in the Frequency Domain, Applied Sciences 2020, 10 (7), 2379, https://www.mdpi.com/2076-3417/10/7/2379
14	FV Dulf, DC Vodnar, MI Toşa, EH Dulf	Simultaneous enrichment of grape pomace with γ -linolenic acid and carotenoids by solid-state fermentation with Zygomycetes fungi and antioxidant potential of the bioprocessed substrates, Food Chemistry, Volume 310, 25 April 2020, 125927, https://doi.org/10.1016/j.foodchem.2019.125927
15	Dulf Eva H., Dan C. Vodnar, Dulf Francisc V.	Modeling tool using neural networks for l(+)-lactic acid production by pellet-form Rhizopus oryzae NRRL 395 on biodiesel crude glycerol, Chemistry Central Journal, 201812:124, https://doi.org/10.1186/s13065-018-0491-5 , Q2
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19	Muresan, C.I., Dutta, A., Dulf*, E.H., Pinar, Z., Maxim, A., Ionescu, C.M.	Tuning algorithms for fractional order internal model controllers for time delay processes, <i>International Journal of Control</i> , Vol. 89, No. 3, pp. 579-593, DOI: 10.1080/00207179.2015.1086027, 2016, Q2
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22	Cristina I Muresan, Eva H Dulf*, Cosmin Copot, Robin De Keyser, Clara Ionescu	Design and analysis of a multivariable fractional order controller for a non-minimum phase system, <i>Journal of Vibration and Control</i> , DOI: 10.1177/1077546315575433, <i>Journal of Vibration and Control</i> 2016,22 (9), 2187-2195, Q2
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24	Dulf, E.-H., Muresan, C.I., Unguresan, M. L.	Modeling the (15N) Isotope Separation Column, <i>Journal of Mathematical Chemistry</i> , Vol. 52, No.1, pp. 115-131, DOI: 10.1007/s10910-013-0248-2, 2014
25	Cristina I. Muresan, Silviu Folea, George Mois, Eva H. Dulf*	Development and Implementation of an FPGA Based Fractional Order Controller for a DC Motor, <i>Mechatronics</i> , Elsevier, ISSN: 0957-4158, Vol.23, Issue 7, 2013, pg. 798-804, http://dx.doi.org/10.1016/j.mechatronics.2013.04.001

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27	Roxana Both, Eva-Henrietta Dulf*, Clement Festila	Robust control of a catalytic 2 ethyl-hexenal hydrogenation reactor, Chemical Engineering Science 74 (2012) 300–309, doi:10.1016/j.ces.2012.02.033, Elsevier
28	Dan Călin Dumitrache, Bart De Schutter, Adrie Huesman, Eva-Henrietta Dulf	Modeling, analysis, and simulation of a cryogenic distillation process for 13C isotope separation, Journal of Process Control, Elsevier, Volume 22, Issue 4, April 2012, Pages 798–808, http://dx.doi.org/10.1016/j.jprocont.2012.02.010
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30	Eva-H. Dulf, Dan C. Vodnar, Alex Danku, Cristina-I. Muresan and Ovidiu Crisan	Fractional-Order Models for Biochemical Processes, Fractal and Fractional 2020, 4(2), 12; https://doi.org/10.3390/fractalfract4020012
Q3/Q4 papers		
31	EVA-H. DULFa, DAN C. VODNARb, FRANCISC V. DULF	MODELING THE L(+) LACTIC ACID PRODUCTION VIA R. ORYZAE NRRL 395 FERMENTATION ON BIODIESEL CRUDE GLYCEROL, STUDIA UBB CHEMIA, LXIV, 2, Tom I, 2019 (p. 11-21) , DOI:10.24193/subbchem.2019.2.01
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33	Eva-H. Dulf, Daniel Timis, Cristina-I. Muresan	Robust Fractional Order Controllers for Distributed Systems, Acta Polytechnica Hungarica 2017, 14(1):163-176
34	Roxana Both, Eva H. Dulf*, A. Cormos	Control of a Catalytic 2 Ethyl-hexenal Three Phase Industrial Hydrogenation Reactor, Brazilian Journal of Chemical Engineering, 2016, 33 (1), 155-168

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36	Eva-Henrietta Dulf, Francisc-Vasile Dulf, Cristina-Ioana Pop	Fractional Model of the Cryogenic (¹³ C) Isotope Separation Column, Chemical Engineering Communication, ISSN 0098-6445, DOI: 10.1080/00986445.2014.968709, 2015, 202 (12), 1600-1606
37	Tibor Szelitzky, Eva-Henrietta Dulf*	Adaptive control in series load PWM induction heating inverters, 2013, International Journal of Electronics, Taylor & Francis, DOI:10.1080/00207217.2013.769177
38	Eva Henrietta Dulf, Cristina Ioana Pop (Muresan), Francisc V. Dulf	Fractional Calculus in ¹³ C Separation Column Control, Signal, Video and Image Processing, vol. 6, no. 3, pp.479-485, DOI: 10.1007/s11760-012-0335-z , 2012
39	Cristina Ioana Pop (Muresan), Clara Ionescu, Robin De Keyser, Eva Henrietta Dulf	Robustness evaluation of Fractional Order Control for Varying Time Delay Processes, Signal, Image and Video Processing, vol. 6, no. 3, pp.453-461, DOI: 10.1007/s11760-012-0322-4 , 2012
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47	Gligan Mihai, Dulf Eva-Henrietta, Unguresan L.M., Festila Clement	“Preliminaries Regarding General Modelling of the Cryogenic Distillation with Application to (13C) Isotope Separation”, Proceedings of International IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics AQTR 2006 (THETA 15), 25-28 mai 2006, Cluj-Napoca, IEEE Catalog Number: 06EX1370, ISBN: 1-4244-0360-X, Library of Congress: 2006924077, pp. 155-159
48	Dulf Eva-Henrietta, Unguresan L.M., Gligan Mircea, Festila Clement	“Operational Models of the Cryogenic Distillation Column for (13C) Isotope”, Proceedings of International IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics AQTR 2006 (THETA 15), 25-28 mai 2006, Cluj-Napoca, IEEE Catalog Number: 06EX1370, ISBN: 1-4244-0360-X, Library of Congress: 2006924077, pp. 159-163
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62	Dulf E.H., Both R., Dumitrache D.C.	Fractional Order Models for a Cryogenic Separation Column, International IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics AQTR 2010 (THETA 17), 28-30 mai 2010, Cluj-Napoca, ISBN: 978-1-4244-6722-8, IEEE Catalog Number: CFP10AQT-PRT, pp.163-169, DOI: 10.1109/AQTR.2010.5520895, INSPEC Accession Number: 11508520
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101	Loránd Székely ; Éva-Henrietta Dulf ; Roxana Rusu-Both	Alarm monitoring and safety control system for a 13 C isotope separation cascade system, Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), 2017 International Conference on, 821-826
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104	Dulf, Eva-H.; Kovacs, Levente	Fractional Order Control of the Cyber-Physical Cryogenic Isotope Separation Columns Cascade System, 21st IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR THETA) Location: Cluj Napoca, ROMANIA Date: MAY 24-26, 2018
105	Achim Cristian, Rusu-Both Roxana, Dulf Eva Henrietta, Chira Romeo Ioan	Lung Cancer Diagnosis Based on Ultrasound Image Processing, ICSTCC 2018, Sinaia, Romania
106	ÉH Dulf, DD Timis, L Szekely, LC Miclea	Adaptive Fractional Order Control Applied to a Multi-Rotor System, 2019 22nd International Conference on Control Systems and Computer Science (CSCS), pp. 696-699
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108	Eva-H Dulf, Clara-M. Ionescu, Cristina I. Muresan	Risk related prediction for recurrent stroke and post-stroke epilepsy using Fractional Fourier Transform analysis of EEG signals, Springer Proceedings in Mathematics and Statistics, “Dynamical Systems - Theory and Applications” Conference, (DSTA 2019)

109	Eva-H. Dulf, Cristina-I. Muresan, Daniel D. Timis	Adaptive fractional order control of a quadrotor, "Dynamical Systems - Theory and Applications" Conference, (DSTA 2019), December 2-5, 2019, Łódź, POLAND
110	Eva Dulf, Maria Ghita, Clara M. Ionescu	Detection and evaluation of events in EEG dynamics in post-surgery patients with physiological-based mathematical models, 2019 IEEE International Conference on Systems, Man, and Cybernetics (IEEE SMC 2019). 06-09 October Bari, Italy
111	A Danku, A Kovari, LC Miclea, EH Dulf	Intelligent Control of an Aerodynamical System, 2019 IEEE 15th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, 5-7 September 2019, Romania
112	Timis, Daniel D.; Dulf, Eva H.	Software implementation and test of an advanced robust control applied to a quad-copter, PROCEEDINGS OF 2020 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR) Book Series: IEEE International Conference on Automation Quality and Testing Robotics Pages: 433-436 Published: 2020
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114	K Lengyel, ÉH Dulf, L Kovács	Linear quadratic control on a cascaded multitank system, 2020 IEEE 24th International Conference on Intelligent Engineering Systems (INES)

Patent/ patent proposals

1	LEVEL CAPACITIVE CRYOGENIC TRANSDUCER WITH COPLANAR PLATES FOR LIQUID NITROGEN, RO 128052, IPC: G01F23/22, Applicants: UNIV TEHNICA DIN CLUJ NAPOCA, Authors: MUNTEANU RADU ADRIAN, DULF EVA HENRIETTA, FESTILA CLEMENT, RADU MUNTEANU, http://worldwide.espacenet.com/publicationDetails/biblio?&DB=EPODOC&locale=en_EP&CC=RO&NR=128052&KC=A2
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2	INTUITIVE METHOD AND ELECTRONIC APPARATUS FOR DETERMINING PHASE SHIFTING IN FREQUENCY ANALYZERS; RO 128067, IPC: H03L7/00 G01R23/12, Applicants: UNIV TEHNICA DIN CLUJ NAPOCA, Authors: MUNTEANU RADU ADRIAN, DULF EVA HENRIETTA, FESTILA CLEMENT, MUNTEANU RADU, http://worldwide.espacenet.com/publicationDetails/biblio?&DB=EPODOC&locale=en_EP&CC=RO&NR=128067&KC=A2
3	Analogue electronic transducer for measuring power in direct current circuits Inventor(s): MUNTEANU R A, DULF E H, FESTILA C, MUNTEANU R, TODORAN G Patent Assignee Name(s) and Code(s): UNIV CLUJ-NAPOCA TEHNICA (UYCL-Non-standard) Derwent Primary Accession Number: 2013-M23583 [57], http://worldwide.espacenet.com/publicationDetails/biblio?&DB=EPODOC&locale=en_EP&CC=RO&NR=128666&KC=A2
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Research projects

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1	International	Számítógépes diagnosztika a cöliákia gyógyításában (Computer aided diagnosis system for celiac disease), DOMUS 2021, Hungarian Academy of Science, Contract no. 1944/9/2021/HTMT	2021
2	International	"Modelling and prediction in colorectal cancer treatment", New National Excellence Program of the Hungarian Ministry for Innovation and Technology, ÚNKP-19-4-OE-64	2019-2020
3	International	Bioinspired Intelligent Control of Critical Systems, https://mta.hu/data/dokumentumok/bolyai_osztondij/Bolyai_osztondijasok_2017.pdf	2017-2020
4	International	SDCF, Distributed Control Strategies with Application to Robust Fractional Order Controllers for Distillation, UEFISCDI nr. 763 RO-CY, CAPACITATI, Modulul III, Cooperare bilaterala Romania - Cipru 2013, partener University of Cyprus, Director proiect	2014-2015
5	International	Fractional order PID controller design for isotope separation columns, Grant nr. DSZ/25/2012, Hungarian Academy of Science, 2012, Titular grant	2012

6	National	Abordari nano-vaccinale destinate cancerului de colon, PN-III-P2-2.1-PED-2019-0844, 323/2020, Domeniul Sanatate	2020-2022
7	National	Dezvoltarea si Optimizarea unui Bioproces pe Strat Solid in vederea Productiei Sustenabile de Antioxidanti Puternici Folosind Resturi de Struguri si Fungi Filamentosi, PN-III-P2-2.1-PED-2019-1660, Domeniul Bioeconomie	2020-2022
8	National	Dezvoltarea unui sistem inteligent combinat imagistic - citologic - molecular pentru stratificarea riscului, ghidarea diagnosticului si a managementului in cancerul tiroidian, PN-III-P2-2.1-PED-2019-2536, Domeniul Sanatate	2020-2022
9	National	Model de colaborare functional intre organizatii publice de cercetare si mediul economic cu scopul acordarii de servicii stiintifice si tehnologice de inalt nivel in domeniul bioeconomiei (SWEETCONOMY), Proiect 2PCCDI/2018	2018-2020
10	National	Strategii de control robust, tolerant la defecte, de ordin fractionar cu aplicatii pentru cascada de coloane de separare izotopica, Proiect TE 38/2015	2015-2017
11	National	Utilizarea eficienta a glicerolului brut de biodiesel in productia de acid lactic, Proiect 17PED	2016-2018
12	National	Reglarea robusta la sisteme neliniare. Aplicatie pe o coloana de distilare, Contract nr.1441/25.10.2004, Grant castigat prin competitie la Institutul Programelor de Cercetare al Fundatiei Sapiientia Cluj-Napoca, program cu finantare din surse internationale, 2004-2005, Titular grant	2004-2005
13	National	Extinderea teoriei Hinf la sisteme neliniare, cu parametrii distribuiți, Contract de cercetare nr. 498/25.03.2003, Grant castigat prin competitie la Institutul Programelor de Cercetare al Fundatiei Sapiientia Cluj-Napoca, cu finantare din surse internationale, 2002-2003, Titular grant	2002-2003
14	National	Sinteza conducerii robuste, Contract de cercetare nr. 836/29.11.2001, Grant castigat prin competitie la Institutul Programelor de Cercetare al Fundatiei Sapiientia Cluj-Napoca, cu finantare din surse internationale, 2001-2002, Titular grant	2001-2002
15	National	MODELAREA STRUCTURALA COMPLEXA A COLOANELOR DE SEPARARE IZOTOPICA PENTRU STRATEGII AVANSATE DE CONTROL, UEFISCDI, PNII, IDEI ID_228/2008, Contract nr.630/2009, 2009-2011, Director proiect	2009-2011
16	National	DETECTAREA SI IDENTIFICAREA SUBSTANTELOR PERICULOASE FOLOSIND SPECTROMETRIA DE MOBILITATE IONICA CUPLATA CU SPECTROMETRIA DE MASA, UEFISCDI PNII, PC nr. 81023/18.09.2007, 2007-2010, Responsabil UTCN	2007-2010
Member			

1	International	Diagnosis and follow-up system based on artificial intelligence algorithms and transthoracic ultrasound image analysis for diffuse lung diseases, EXT EIT HEALTH 10301/2020	2020
2	International	Lung cancer Diagnosis and Monitoring System based on transthoracic ultrasonography and neural networks”. EIT Regional Innovation Scheme: Innostars - Innovation Call 2019	2019
3	International	COMPUTER AIDED IN CONTROL ENGINEERING, Quality in Control (Qualiman), Program TEMPUS, 1995 – 2001	1995-2001
4	National	Simulator sedare pacient pentru dozarea optima si personalizata a medicamentelor in anestezia generala, PN-III-P2-2.1-PED-2019-0322, Domeniul Sanatate	2020-2022
5	National	Sistem de diagnostic al tumorilor intratoracice bazat pe ultrasonografie și biomarkeri moleculari, PED 178/2017	2017-2018
6	National	Prototip scalabil de nanorobot în fluide non-newtoniene folosind model și control de ordin fracționar	2017-2019
7	National	Novel Fractional Order Control Strategies for Vibration Suppression in Aeroplane Wings, TE PN-II-RU-TE-2014-4-0598, TE 86/1.10.2015, 1.10.2015-30.09.2017	1.10.2015-30.09.2017
8	National	REGLAREA NELINIARA ROBUSTA A COLOANELOR DE SEPARARE CRIOGENICA A IZOTOPULUI 13C, UEFISCDI, PNII 71023/14.09.2007	2007-2010
9	National	Modern Cascade for 13C Cryogenic Separation (SEPCAS-13C), UEFISCDI, Proiect PNII PCCA 155/2012	2012-2016
10	National	Robust fractional order control strategies for multivariable time delay processes, UEFISCDI, Proiect TE PNII-RU-TE-2012-3-0307, 59/2013	2013-2016
11	National	ECHIPAMENTE TOLERANTE LA DEFECTE CONTROLATE PRIN ARHITECTURI ELECTRONICE DE INSPIRAȚIE BIOLOGICĂ, UEFISCDI, Proiect PNII, PC nr. 12121/01.10.2008, 2008-2011	2008-2011
12	National	Sisteme integrate pentru conducerea în timp real în rețea a proceselor, UEFISCDI, PNII, PC nr. 71084/18.09.2007, 2007-2010	2007-2010
13	National	ELABORAREA TEHNOLOGIEI DE SEPARARE A IZOTOPULUI 13C ÎN SISTEMUL CO2 – CARBAMAT, UEFISCDI, PNII, PC nr. 71069/18.09.2007, 2007-2010	2007-2010

14	National	MODELARE STRUCTURALA COMPLEXA PENTRU CONDUCEREA OPTIMALA A COLOANELOR DE SEPARARI IZOTOPICE, Program CNCISIS tip A, Cod CNCISIS 1287, 2006-2007	2006-2007
15	National	Studiul generatoarelor liniare destinate asigurării alimentării dispozitivelor electrice portabile moderne, contract de cercetare nr. 1019/05.10.2006, finanțat de Institutul Programelor de Cercetare al Fundației „Sapientia”, Cluj, 2006-2007	2006-2007
16	National	Convergența tehnologiilor informaționale și a metodelor de control automat cu aplicații în centrale și sisteme energetice, ICPS, Program CEEEX, Modul III, Cod MEC: PR-D05-PT00-19, 2005-2008	2005-2008
17	National	Elaborarea tehnologiei de separare a izotopului ¹³ C prin distilarea criogenică a monoxidului de carbon, SEPC13, Program CEEEX 45/8.09.2005, Modul I, 2005-2008	2005-2008
18	National	SISTEM TELEMATIC INTERACTIV PENTRU MODELAREA POTENTIALULUI HIDROENERGETIC AL UNEI AMENAJARI, Program INFOSOC PNCDI, 2003-2005	2003-2005
19	National	Microsistem pentru detecția și contorizarea celulelor sanguine, Proiect PNCDI – MATNANTECH, nr. 179/2003	2003-2005
20	National	MODELAREA, SIMULAREA ȘI CONDUCEREA PROCESELOR CU PARAMETRI DISTRIBUIȚI, CU APLICAȚII ÎN INSTALAȚII DE SEPARARE A IZOTOPIILOR STABILI (N-15, O-18, C-13, DEUTERIU, URANIU), TERMOENERGETICA ȘI CHIMIE, CNCISIS, Contract nr. 33531 / 2002, tema 62, cod CNCISU 1079, 2002-2004	2002-2004

Awards

1	2012	FIRI DIPLOMA presented to R.A. Munteanu, E.H. Dulf, C. Festila, R. Munteanu, Gh. Todoran, FIRI Award for the best invention "Analog electronic transducer for DC power measurement", 40th International Exhibition of Inventions, New Techniques and Products Geneva, April 18-22, 2012, Geneva, Switzerland
2	2012	Special Award, Recipient: Munteanu A.R., Dulf E.H., Festila C., Munteanu R., Todoran Gh., Product: Analog Electronic Transducer for DC Power Measurement, Taiwan Invention Association, April 20, 2012
3	2012	Medaille d'or de remettre a: R.A. Munteanu, E.H. Dulf, C. Festila, R. Munteanu, Gh. Todoran pour l'invention: Traducteur électronique analogique pour mesures de puissance en courant continu, Salon International des Inventions, Geneve, le 20 avril 2012

4	2012	Gold medal for the innovation „Analog Electronic Transducer for DC Power Measurement”, The Belgian and International Trade Fair for Technological Innovation, EUREKA 2012, Brussels
5	2012	Diploma de excelență și medalia de aur cu mențiune specială se acordă Munteanu A.R., Dulf E.H., Festila C., Munteanu R., Todoran G. pentru Grup de invenții, Salonul Internațional de Inventică PRO INVENT, ediția a X-a, 2012, Cluj-Napoca
6	2011	Special award of International fair of Inventions Inventika, Bucharest 2011 for the patent „Level Cryogenic Capacitive Transducer with Coplanar Plates for Liquid Nitrogen”
7	2012	Gold medal for „Cyogenic capacitive level sensor with coplanar plate for liquid nitrogen”, The XVI-th International Exhibition of Reserach, Innovation and Technological Transfer INVENTICA 2012, Iași
8	2012	▪Gold medal for „Intuitive Method and Electronic Device for Phase Measurement by Frequency Analyzer”, European Exhibition of Creativity and Innovation, EUROINVENT 2012, Iași
9	2012	Gold medal for „Analog Electronic Transducer for DC Power Measurement”, European Exhibition of Creativity and Innovation, EUROINVENT 2012, Iași
10	2013	FIRI DIPLOMA presented to R.A. Munteanu, E.H. Dulf, C. Festila, R. Munteanu FIRI Award for the best invention "Cryogenic capacitive transducer with coplanar plaques, used to measure the level of liquid nitrogen", 41sr International Exhibition of Inventions, New Techniques and Products Geneva, April 10-14, 2013, Geneva, Switzerland
11	2013	Medaille d'or de remettre a: R.A. Munteanu, E.H. Dulf, C. Festila, R. Munteanu, pour l'invention: Capteur capacitif cryogenique pour la mesure du niveau d'azote liquide, Salon International des Inventions, Geneve, le 12 avril 2013
12	2013	Gold medal for „Cryogenic Capacitive Transducer”, European Exhibition of Creativity and Innovation, EUROINVENT 2013, Iași
13	2013	Gold medal for „Cryogenic capacitive transducer with coplanar plates used to measure the liquid nitrogen”, The XVII-th International Exhibition of Research, Innovation and Technological Transfer INVENTICA 2013, Iași
14	2013	Grand award of the Technical University of Moldova is accorded to Munteanu R.A., Dulf E.H., Festila Cl., Munteanu R. for „ Cryogenic capacitive transducer with coplanar plates used to measure the liquid nitrogen”, Republica Moldova, 2013
15	2013	Silver medal for „ Cryogenic capacitive transducer with coplanar plates used to measure the liquid nitrogen”, INFOINVENT, International Exposition, XIII-th eidition, Chișinău, Republica Moldova, 2013
16	2013	Gold medal with mention for the innovation „Cryogenic capacitive transducer with coplanar plates used to measure the liquid nitrogen level”, The Belgian and International Trade Fair for Technological Innovation, EUREKA 2013, Brussels
17	2013	Diploma awarded to Munteanu R.A., Dulf E.H., Festila Cl., Munteanu R. for „ Cryogenic capacitive transducer with coplanar plates used to measure the liquid nitrogen”, Brussels Innova 2013, 62nd Exhibition on Inventions, Research and New Technologies, 2013
18	2013	Premiul special al Incubatorului de inventica al Federației Ruse (Vladislav Fadeev), Salonul Internațional de Invenții, Geneva 2013

19	2014	Special Award for "Analog Electronic Transducer for DC Power Measurement", Taiwan Prominent Inventor Association, Burssele, 2014
20	2014	Award the diploma international Europe France Inventeurs (E.F.I.) for "Analogue electronic transducer for measuring power in direct current circuits", 2014
21	2014	Gold medal for the innovation „Analogue electronic transducer for measuring power in direct current circuits”, The Belgian and International Trade Fair for Technological Innovation, EUREKA 2014, Brussels
22	2014	Medaille d’or de remettre a: R.A. Munteanu, E.H. Dulf, C. Festila, R. Munteanu, pour l’invention: "Intuitive method and electronic device to establish the phase displacement by frequency analyzers", Salon International des Inventions, Geneve, le 2-6 avril 2014
23	2014	Golden award for "Intuitive method and electronic device to establish the phase displacement by frequency analyzers", 12th International Innovation Exhibition, ARCA, 15-18 October 2014, Zagreb, Croatia
24	2015	Diploma de excelență și medalia de aur se acordă Dulf E.H., Munteanu A.R., Festila C., Munteanu R pentru "ALGORITM NECONVENȚIONAL DE ANALIZĂ FRECVENȚIALĂ", Salonul Internațional de Inventică PRO INVENT, ediția a XIII-a, 2015, Cluj-Napoca
25	2015	Diploma de excelență se acordă Dulf E.H., Munteanu A.R., Festila C., Munteanu R pentru "ALGORITM NECONVENȚIONAL DE ANALIZĂ FRECVENȚIALĂ", Universitatea Valahia Târgoviște, Centrul de Cercetare "Nanomateriale pentru micro sisteme mecanice", Salonul Internațional de Inventică PRO INVENT, ediția a XIII-a, 2015, Cluj-Napoca
26	2015	Special Prize to inventors R.A. Munteanu, E.H. Dulf, C. Festila C., R. Munteanu, "Metodă intuitivă și aparat electronic pentru măsurarea defazajului în analiza frecvențială", "Lucian Blaga" University of Sibiu, 13th International Exhibition of Research, Innovation and Inventions PRO INVENT 2015
27	2015	Diplome Europe France Inventeurs decerne a E.H.Dulf, R.A. Munteanu, Cl. Festila, R. Munteanu pour son invention, Geneve 2015
28	2015	CAI Award, Prize of China Delegation of the Exhibition presented to E.H.Dulf, R.A. Munteanu, Cl. Festila, R. Munteanu in recognition of the outstanding performance and idea demonstrated by the invention "Nonconventional algorithm for frequency analysis", 43rd International Exhibition of Inventions, New Techniques and Products, Geneva, 15-19 April, 2015
29	2015	Diploma for the Rostislav Alekseev Award given to E.H.Dulf, R.A. Munteanu, Cl. Festila, R. Munteanu for "Nonconventional algorithm for frequency analysis", 43rd International Exhibition of Inventions, New Techniques and Products, Geneva, 15-19 April, 2015
30	2015	Gold medal to E.H.Dulf, R.A. Munteanu, Cl. Festila, R. Munteanu for "Nonconventional algorithm for frequency analysis", 43rd International Exhibition of Inventions, New Techniques and Products, Geneva, 15-19 April, 2015
31	2015	Gold medal with special mention offered to E.H.Dulf, R.A. Munteanu, Cl. Festila, R. Munteanu for "Nonconventional algorithm for frequency analysis", The XIX-th International Exhibition of Research, Innovation and Technological Transfer "Inventica 2015", Iasi, Romania, June 24-26, 2015

32	2015	Gold medal to E.H.Dulf, R.A. Munteanu, Cl. Festila, R. Munteanu for "Nonconventional algorithm for frequency analysis"64-a ediție a Concursului internațional Bruxelles–EUREKA dedicat inventicii, organizat în cadrul Salonului INNOVA 19-21 Noiembrie 2015, Bruxelles, BELGIA
33	2015	Premiul Poloniei to E.H.Dulf, R.A. Munteanu, Cl. Festila, R. Munteanu for "Nonconventional algorithm for frequency analysis"64-a ediție a Concursului internațional Bruxelles–EUREKA dedicat inventicii, organizat în cadrul Salonului INNOVA 19-21 Noiembrie 2015, Bruxelles, BELGIA
34	2015	Premiul Belgiei to E.H.Dulf, R.A. Munteanu, Cl. Festila, R. Munteanu for "Nonconventional algorithm for frequency analysis"64-a ediție a Concursului internațional Bruxelles–EUREKA dedicat inventicii, organizat în cadrul Salonului INNOVA 19-21 Noiembrie 2015, Bruxelles, BELGIA
35	2017	Gold medal to inventors C.I. Muresan, E.H. Dulf, "Procedeu de acordare a reguletoarelor fractionare pentru procese multivariabile cu timpi morti (MIMO FO-IMC), PRO INVENT 2017
36	2018	Gold medal E.H. Dulf, Radu A. Munteanu, Clement Festila, Radu Munteanu, "Wind Turbine", Salon International des Inventions Geneve, 13 apr. 2018
37	2018	Honorable Mention of China Delegation to E.H. Dulf, Radu A. Munteanu, Clement Festila, Radu Munteanu, "Wind Turbine", 46th International Exhibiton of Inventions of Geneva, 13 apr. 2018
38	2018	Merit Award of Internation Strategic Technology Alliance (ISTA) to E.H. Dulf, Radu A. Munteanu, Clement Festila, Radu Munteanu, "Wind Turbine", 46th International Exhibiton of Inventions of Geneva, 13 apr. 2018
39	2018	Distinguished Innovation Award of King Abdulaziz University to E.H. Dulf, Radu A. Munteanu, Clement Festila, Radu Munteanu, "Wind Turbine", 46th International Exhibiton of Inventions of Geneva, 11-15 Apr. 2018