Fisa de verificare a standardelor minimale pentru gradul de profesor universitar stabilite prin OM 6560 / 2012

Nume şi Prenume   **Dulf Eva-Henrietta**
Domeniul   **Ingineria Sistemelor**

Nr. Crt	Domeniul activ.			Subcategorii			Punctaj
0	1	2		3		4	
1	Activitatea didactica si profesionala (A1)	Carti si capitole de carti de specialitate in edituri recunoscute		Carti, monografii, capitole ca autor	A1.1.1.	Internationale	50
					A1.1.2	nationale	160
		Material didactic/lucrari didactice		Manuale didactice	A1.2.1		20
							230
2	Activitatea de cercetare (A2)	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings			A2.1		494.74
		Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)			A2.2		208.43
		Proprietate intelectiala, brevete de inventie, certificate ORDA			A2.3.1	Internationale	0.00
					A2.3.2	nationale	17.50
		Granturi/proiecte castigate prin competitie		Director / responsabil	A2.4.1.1	Internationale	20.00
					A2.4.1.2	nationale	120.00
				Membru in echipa	A2.4.2.1	Internationale	20.00
					A2.4.2.2	nationale	78.00
							958.67
3	Recunoasterea si impactul activitatii (A3)	Citari in carti, reviste si volume ale unor manifestari stiintifice			A3.1.1	carti, ISI	89.6
					A3.1.2	BDI	22.8
		Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale si profesor invitat		Punctaj unic pentru fiecare activitate	A3.2.1	Internationale	10
					A3.2.2	nationale	0
		Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, internationale indexate ISI		Punctaj unic pentru fiecare activitate	A3.3.1	ISI	50
					A3.3.2	BDI	24
					A3.3.3	nationale si internationale neindexate	0
		Premii in domeniu			A3.4.1	Academia Romana, ASTR, academii de ramura, premii internationale	345
					A3.4.2	premii nationale in domeniu	25
							566.4

Conditii minimale AI			
Nr.	Domeniu de activitate (A)	Necesar Profesor	Realizat
A1	Activitatea didactica / profesionala (A1)	100	230
A2	Activitatea de cercetare (A2)	500	958.6669
A3	Recunoasterea impactului activitatii (A3)	100	566.4
Total (A)		**700**	**1755.0669**

		Cond.minim.	Cond. candidat
A1.1.1-A1.1.2	Carti si capitole în carti de specialitate	4	10
A1.2.1-A1.2.2	Material didactic / Lucrari didactice	2	2
A2.1.	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	12	42
A2.4.1.	Granturi/proiecte castigate prin competitie (Director/ responsabil)	2	9
A3.1.1 - A3.1.2	Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI sau BDI	20	36
	Factor de impact cumulat pentru publicatii	6	33.463

09.03.2015.   Prof. dr. ing. Eva-H. DULF

C2,1	TOTAL A / 700		2.507238435
C2,2	0.5xWbSc+0.3xScopus+0.2*Google		4.1
C2,3			

Anexa: datele pentru calculul indeplinirii criteriilor

A1.1.1.-A1.1.2. Carti, monografii, capitole ca autor, internationale si nationale

Nr.	Autori	Titlu capitol / carte	Editura	Anul
1	Cristina Ioana Pop (Muresan), Eva Henrietta Dulf	Capitol de carte: Robust Feedback Linearization Control for Reference Tracking and Disturbance Rejection in Nonlinear Systems, invited chapter in Recent Advances in Robust Control – Novel Approaches and Design Methods, ISBN: 978-953-307-561-7, pp. 273-290	InTech Europe, Croatia	2011
2	Tibor Szelitzky and Eva Henrietta Dulf	Capitol de carte: H∞ Control of an Induction Heating Inverter, In: Advances in Intelligent Control Systems and Computer Science, Editor: Ioan Dumitrache, DOI: 10.1007/978-3-642-32548-9_17, Print ISBN 978-3-642-32547-2, Online ISBN 978-3-642-32548-9, Series Vol.187, Series ISSN 2194-5357, Springer, pp. 235-250, http://link.springer.com/chapter/10.1007/978-3-642-32548-9_17	Springer Berlin Heidelberg	2013
3	Feştilă, Cl., Szakacs (Dulf) E.-H., Ciura, J.	"Power Electronics in Automatic Control", 339 pag., ISBN 973-9358-01-2	Mediamira Cluj-Napoca	1999
4	Coloşi, T., Raica, P., Nascu, I., Codreanu, S., Szakacs (Dulf) E.-H.	"Local iterative linearization method for numerical modelling and simulation of lumped and distributed parameters processes", 239 pag., ISBN 973-9404-49-9	Editura Casa Cărţii de Ştiinţă, Cluj-Napoca	1999
5	Coloşi, T, Abrudean, M., Dulf E.-H, Nascu, I., Codreanu, S.	"Method for Numerical Modelling and Simulation", 324 pag., ISBN 973-9358-82-9	Editura "Mediamira", Cluj-Napoca	2002
6	Dulf Eva-Henrietta	Utilizarea controlului robust în procesele de separare izotopică. Contribuţii, Studii de specialitate, Editor Köllő Gábor, pg. 37-75, ISBN 973-85422-5-1	Editura Scientia Cluj-Napoca	2002
7	Festila, Cl., Abrudean, M., Dulf E.H.	„Electronica de Putere in Automatica", ISBN 973-9357-67-9	Editura Mediamira, Cluj Napoca	2004
8	Colosi, T., Abrudean M.I., Dulf E.H., Unguresan M.L	„Numerical Modelling and Simulation Method with Taylor Series for Lumped and Distributed Parameters Processes", 165 pag., ISBN (10) 973-713-108-8 (13) 978-973-713-108-9	Editura Mediamira, Cluj Napoca	2006
9	Dulf Eva-Henrietta	„Control robust. Variante şi aplicaţii"; 163 pag., ISBN 978-973-713-151-5	Editura Mediamira, Cluj Napoca	2007
10	Coloşi, T.;Unguresan, M.L.; Dulf E.H.; Cordoş, R.C	Introduction to Analogical Modelling and Numerical Simulation with (Mpdx) and Taylor Series for Distributed Parameters Processes, 360 pag., ISBN 978-973-141-192-7	Galaxia Gutenberg Cluj-Napoca	2009

A1.2.1. Materiale didactice

Nr.	Autori	Titlu	Editura	An
1	Cristina Ioana Pop (Muresan), Eva Henrietta Dulf	Ingineria Reglarii Automate 1, Indrumator de laborator, 2012	U.T. Press Cluj-Napoca	2012
2	Feştilă, Cl., Dulf E.H., Ciura, J	"Electronica de putere în automatică", îndrumător de laborator, 147 pag., ISBN 973-98900-0-8	ICPIAF Cluj-Napoca	2000

A2.1. Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings

Nr.	Autori	Titlu lucrare / revista (conferinta)	Factor de impact	Nr. Autori	Punctaj
1	Cristina I. Muresan, Eva H. Dulf*, Roxana Both	Comparative analysis of different control strategies for a train of cryogenic 13C separation columns, accepted to Chemical Engineering & Technology, DOI: 10.1002/ceat.201400550	2.175	3	22.83333333
2	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, accepted to *Journal of Vibration and Control*, DOI: 10.1177/1077546315575433	4.355	5	22.42
3	Eva-Henrietta Dulf, Francisc-Vasile Dulf, Cristina-Ioana Pop	Fractional Model of the Cryogenic (13C) Isotope Separation Column, Chemical Engineering Communication, ISSN 0098-6445, DOI: 10.1080/00986445.2014.968709	0.788	3	13.58666667
4	Roxana Both, Eva H. Dulf*, A. Cormos	Control of a Catalytic 2 Ethyl-hexenal Three Phase Industrial Hydrogenation Reactor, accepted for Brazilian Journal of Chemical Engineering	0.912	3	14.41333333

5	C.I. Muresan, E.H. Dulf*, O. Prodan	A FRACTIONAL ORDER CONTROLLER FOR SEISMIC MITIGATION OF STRUCTURES EQUIPPED WITH VISCOELASTIC MASS DAMPERS, Journal of Vibration and Control, DOI: 10.1177/1077546314557553	4.355	3	37.36666667
6	Dulf, E.-H., Muresan, C.I., Unguresan, M. L.	Modeling the (15N) Isotope Separation Column, Journal of Mathematical Chemistry, Vol. 52, No.1, pp. 115-131, DOI: 10.1007/s10910-013-0248-2, 2014	1.27	3	16.8
7	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	0.509	2	17.59
8	Cristina I. Muresan, Silviu Folea, George Mois, Eva H. Dulf*	Development and Implementation of an FPGA Based Fractional Order Controller for a DC Motor, Mechatronics, Elsevier, ISSN: 0957-4158, Vol.23, Issue 7, 2013, pg. 798-804, http://dx.doi.org/10.1016/j.mechatronics.2013.04.001	1.823	4	15.365
9	Eva Henrietta Dulf, Cristina Ioana Pop (Muresan), Francisc V. Dulf	Systematic Modeling of the (13C) Isotope Cryogenic Distillation Process, Separation Science and Technology, vol. 47(8), pp. 1234-1240 DOI:10.1080/01496395.2011.644614 , 2012	1.164	3	16.09333333
10	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	2.386	3	24.24
11	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	1.805	4	15.275
12	Eva Henrietta Dulf, Cristina Ioana Pop (Muresan), Francisc V. Dulf	Fractional Calculus in 13C Separation Column Control, Signal, Video and Image Processing, vol. 6, no. 3, pp.479-485, DOI: 10.1007/s11760-012-0335-z , 2012	0.409	3	11.06
13	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	0.409	4	8.295
14	Cristina Ioana Pop (Muresan), Clement Festila, Eva Henrietta Dulf, Mihai Gligan	Tracking and Disturbance Rejection in the 13C Cryogenic Separation Column, Control Engineering and Applied Informatics, vol. 14, no.1, pp.48-57, 2012	0.202	4	7.26
15	Mihaela-Ligia Unguresan, Andrada Maicaneanu, Francisc-Vasile Dulf, Eva-Henrietta Dulf, Delia Maria Gligor	Application of Linear Regresion Analysis For Iron And Copper Removal Process Using Natural Zeolites, Journal of Thermal Analysis and Calorimetry, Springer, 2011, Volume 110, Issue 3 (2012), Page 1293-1297, DOI: 10.1007/s10973-011-2086-4, http://link.springer.com/article/10.1007%2Fs10973-011-2086-4	1.982	5	12.928
16	Cristina Ioana Pop (Muresan), Clement Festila, Eva Henrietta Dulf	Optimal Control of The Carbon Isotopes Cryogenic Separation Process, Chemical and Biochemical Engineering Quarterly, Issue 24, No. 3, ISSN 0352-9568, pp.301-307, 2010	0.483	3	11.55333333
17	Cristina Ioana Pop (Muresan), Eva Henrietta Dulf	Control Strategies of the 13C Cryogenic Separation Column, Control Engineering and Applied Informatics, Vol. 12, No. 2, ISSN 1454-8658, pp.36-43, June 2010	0	2	12.5
18	Dulf Eva-Henrietta, Cl. Festila, F. V. Dulf	"Robust Nonlinear Control of a Separation Column for 13C Enrichment by Cryogenic Distillation of Carbon Monoxide", 2008 Chemicke Listy, Vol. 102, Issue 15, pp. 1075-1078, Czech Republic, September 2008	0.593	3	12.28666667
19	Unguresan M.L., M. Abrudean, P. Raica, Dulf Eva-Henrietta, T. Colosi	"Numerical Modelling and Simulation for Interaction between Cu2+ and S2O32-", Chem. Listy, Chemistry of Inorganic Materials, Vol.102, s265–s1311 (2008), pp.s924-s926	0.593	5	7.372
20	Colosi Tiberiu, Dulf Eva Henrietta, Abrudean Mihai	"Modeling and Numerical Simulation of PDE Using the (Mdpx) Matrix, Associated to Taylor Series", 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. 68-72	0.25	3	10

21	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	0.25	4	7.5
22	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	0.25	4	7.5
23	Dulf Eva-Henrietta, Festila Clement	"Model Predictive Control of (15N) Isotope Separation Column", 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. 163-167	0.25	2	15
24	Huzau Mihai, Dulf Eva-Henrietta, Festila Clement	"About the Quasi-Direct Feed Possibility of the Induction Traction Motors from Diesel-electric Locomotives", 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. 304-308	0.25	3	10
25	Tulbure Vasile, Festila Rodica, Dulf Eva-Henrietta, Colosi Tiberiu	"Numerical Simulation of the Transient Railway Traction Motor with Frequency Control", 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. 308-311	0.25	4	7.5
26	Clement Festila, Cristina Ioana Pop (Muresan), Eva Henrietta Dulf, Mihai Gligan, Aurel Baldea	Flooding Process Analysis by 13C Cryogenic Separation Column, International IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics AQTR 2008 (THETA 16), ISBN: 978-1-4244-2577-8, IEEE Catalog Number: CFP08AQCDR, Library of Congress: 2008904446, pp.96-100, 22-25 mai 2008, Cluj-Napoca	0.25	5	6
27	Cristina Ioana Pop (Muresan), Eva Henrietta Dulf, Clement Festila	Estimator based Flooding Predictor for (13C) Cryogenic Separation Column, International IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics AQTR 2008 (THETA 16), ISBN: 978-1-4244-2577-8, IEEE Catalog Number: CFP08AQCDR, Library of Congress: 2008904446, pp.207-211, 22-25 mai 2008, Cluj-Napoca	0.25	3	10
28	Huzau Mihai, Dulf Eva-Henrietta, Tulbure Vasile, Festila Clement	"Three-phase Power Supplying System for Induction Motor of the Diesel-electric Locomotive", International IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics AQTR 2008 (THETA 16), 22-25 mai 2008, Cluj-Napoca, ISBN: 978-1-4244-2577-8, IEEE Catalog Number: CFP08AQCDR, Library of Congress: 2008904446, pp.479-483	0.25	4	7.5
29	Horatiu Alexandru Colosi, Eva-Henrietta Dulf, Marius Nicolae Roman, Andrei Achimas Cadariu	"Modeling and Simulation of Controlled Orthodontic Tipping And Translation of Single-Rooted Teeth", International IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics AQTR 2008 (THETA 16), 22-25 mai 2008, Cluj-Napoca, ISBN: 978-1-4244-2577-8, IEEE Catalog Number: CFP08AQCDR, Library of Congress: 2008904446, pp.155-160	0.25	4	7.5
30	Dulf Eva-Henrietta, Feștilă Clement	"Model Predictive Control of the (13C) Isotope Separation Column", Conferința Internațională SACI-2007, 4th International Symposium on Applied Computational Intelligence and Informatics, 17-18 Mai, Timișoara, IEEE Catalog Number: 07EX1788, ISI PRO, ISBN: 1-4244-1234-X, Library of Congress: 2007925118, pp. 195-199	0.25	2	15
31	Szabó L., Oprea C., Feștilă C., Dulf Eva Henrietta	"Study on a Wave Energy Based Power System", Proceedings of the 18th International Conference on Electrical Machines (ICEM '2008), Vilamoura (Portugalia), pe CD:Fullpaper_comm_id01199.pdf. ISBN: 978-1-4244-1736-0, pp. 1122-1127	0.25	4	7.5

Nr.	Autori	Titlu lucrare / revista (conferinta)		Nr. Autori	Punctaj
32	Colosi T., Dulf Eva-Henrietta, L. Buzdugan, I.O. Maga	Modeling and Numerical Simulation Method for Systems with Distributed Parameters, Proceedings of the 5th International Symposium on Applied Computational Intelligence and Informatics, ISI PRO, IEEE Catalog Number: CFP0945C-CDR, ISBN: 978-1-4244-4478-6, Library of Congress: 2009903350, 2009, pp.411-416	0.25	4	7.5
33	Festila Cl., Dulf Eva-Henrietta, Cuna C.	Asymmetric High Frequency Square Wave Generator with DC Component Control for Ion Mobility Spectrometers, Proceedings of the 5th International Symposium on Applied Computational Intelligence and Informatics, IEEE Catalog Number: CFP0945C-CDR, ISI PRO, ISBN: 978-1-4244-4478-6, Library of Congress: 2009903350, 2009, pp.95-98	0.25	3	10
34	Dulf Eva-Henrietta, Cl. Festila, F.V. Dulf	"Computer Monitoring and Control System of an Isotope Separation Column ", in the Proceeding Recent Advances in Systems, Included in ISI/SCI Web of Science and Web of Knowledge, Rodos Island, Greece, 2009, ISBN 978-960-474-097-0, ISSN 1790-2769, pp. 216-220	0.25	3	10
35	Muresan, C.I., Dulf, E.H., Both, R., Palfi, A., Caprioru, M.	Microcontroller Implementation of a Multivariable Fractional Order PI Controller, The 9th International Conference on Control Systems and Computer Science (CSCS19-2013), IEEE Catalog Number E4980, ISBN: 978-0-7685-4980-4, DOI: 10.1109/CSCS.2013.9, pp. 44-51, 29-31 May, Bucharest, Romania, 2013	0.25	5	6
36	Both, R., Muresan, C.I., Dulf, E.H., Dulf, F.V.	Microcontroller Implementation of Digital Fractional Order Controllers for Time Delay Processes, The 21st Mediterranean Conference on Control and Automation, ISBN: 978-1-4799-0995-7, DOI: 10.1109/MED.2013.6608911, pp. 1445-1450, 25-28 June, Platanias-Chania, Crete, Greece,2013	0.25	4	7.5
37	Eva H. Dulf, Roxana Both, Clement Festila, Marius Iosif Gretinger	Non-conventional Techniques for Frequency Response Function Measurements and Analysis, 17th International Conference on System Theory, Control and Computing Joint Conference SINTES 17, SACCS 13, SIMSIS 17, ICSTCC 2013	0.25	4	7.5
38	E.H. Dulf, R.Both, R.Munteanu, Cl.Festila, M.Secara	Variable DC Power Sources for 13C Isotope Separation Column Boiler Supply, International Conference on System Theory, Control and Computing ICSTCC 2014, Sinaia, Romania, 17-19 October 2014	0.25	5	6
39	Dulf, E.H., Both, R., Muresan, C.I.	Active Disturbance Rejection Controller for a Separation Column, IEEE International Conference on Automation, Quality and Testing, Robotics AQTR, ISBN: 978-1-4799-3731-8, pp. 1-6, DOI: 10.1109/AQTR.2014.6857906, 22-24 May, Cluj-Napoca, Romania ,2014	0.25	3	10
40	M. Gretinger, M. Secara, Cl. Festila, Eva H. Dulf	"Chirp" signal generators for frequency response experiments, IEEE International Conference on Automation, Quality and Testing, Robotics AQTR, ISBN: 978-1-4799-3731-8, pp.205-2018, DOI: 10.1109/AQTR.2014.6857860, 22-24 May, Cluj-Napoca, Romania ,2014	0.25	4	7.5
41	A. O. Neaga, C. Festila, E. H. Dulf, R. Both, T. Szelitzky et al.	"A simplified mathematical model of the cryogenic distillation with application to the (13C) isotope separation column, AIP Conf. Proc. (ISI) 1425, 189-192 (2012); doi: 10.1063/1.3681999	0.25	6	5
42	Dulf, E.-H., Pop (Muresan), C.-I., Feștilă, Cl., Dulf, F.	Robust Feedback Linearization Applied to a Separation Column for 13C, American Institute of Physics Proceedings no. 1107 33 (2009), DOI: 10.1063/1.3106498, 2009	0.25	4	7.5
		Factor impact cumulat	31.963		
		Total punctaj A2.1.			494.7383333

A2.2. Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)

Nr.	Autori	Titlu lucrare / revista (conferinta)	Baza de date	Nr. Autori	Punctaj
1	Dulf Eva-Henrietta, Feștilă Clement	"Model Predictive Control of the (13C) Isotope Separation Column", Conferința Internațională SACI-2007, 4th International Symposium on Applied Computational Intelligence and Informatics, 17-18 Mai, Timișoara, IEEE Catalog Number: 07EX1788, ISBN: 1-4244-1234-X, Library of Congress: 2007925118, pp. 195-199	Scopus	2	10
2	Muresan, C.-I., Dulf, E.H., Ionescu, C.	Multivariable Fractional Order PI Controller for Time Delay Processes, International Conference on Engineering and Applied Science, DOI: 10.2316/P.2012.785-029, 27-29 decembrie 2012, Colombo, Sri Lanka, http://www.actapress.com/Content_Of_Proceeding.aspx?ProceedingID=746	Acta Press	3	6.666666667

3	Festila Cl., Dulf E.H., Baldea A.	Level and Pressure Control in Condenser of the 13C Isotope 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.125-131	Scopus	3	6.666666667
4	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	Scopus	3	6.666666667
5	Both R., Festila Cl., Dulf E.H., Neaga A.O.	Modeling and Simulation of the Liquid Phase 2-ethyl-hexenal Hydrogenation, 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.213-219	Scopus	4	5
6	Huzau M., Both R., Dulf E.H., Tulbure V.	Non-conventional Supplying System for Induction Traction Motors from Diesel Locomotives, 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.265-269	Scopus	4	5
7	Szelitzky T., Dulf E.H	Advantages of Robust Control for Series Load Pulse Amplitude Modulation Induction Heating Inverter, 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.117-121	Scopus	2	10
8	Festila, Cl., Pop (Muresan), C.-I., Dulf, E.-H	Synchronous Rectification Applied in a Transfer Function Analyzer, International IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics AQTR 2010 (THETA 17), ISBN: 978-1-4244-6724-2, pp.121-125, 28-30 mai 2010, Cluj-Napoca	Scopus	3	6.666666667
9	Pop (Muresan), C.-I., Dulf, E.-H., Festila, Cl., Muresan, B.	Feedback Linearization Control Design for the 13C Cryogenic Separation Column, International IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics AQTR 2010 (THETA 17), ISBN: 978-1-4244-6724-2, IEEE Catalog Number: CFP10AQT-PRT, vol. I, pp. 157-163, 28-30 mai 2010, Cluj-Napoca	Scopus	4	5
10	Pop (Muresan), C.-I., Muresan, B., Dulf, E.-H., Ionescu, C. M., De Keyser, R., Festila, Cl.	Multivariable Robust Predictive Control for the Secondary Processes in a Cryogenic Carbon Isotope Separation Column, Buletinul Ştiintific al Universităţii "Politehnica" din Timişoara, România, Seria Automatica si Calculatoare, vol. 56(70), no. 4, pp. 137-145, decembrie 2011	Index COPERNICUS, VINITI	6	3.333333333
11	Cl. Festila, Dulf E.H., Baldea A.	Observer Based Safe Operation of the 13C Cryogenic Separation Column, ICCC-CONTI 2010, IEEE International Joint Conferences on Computational Cybernetics and Technical Informatics, 27-29 mai 2010, Timisoara, ISBN: 978-1-4244-7431-8, IEEE Catalog Number: CFP10575-CDR, pp.37-42, DOI: 10.1109/ICCCYB.2010.5491250	Scopus	3	6.666666667
12	Dulf, E. –H., Festila, Cl., Dulf, F.-V., Pop (Muresan), C.-I., Both, R.,	Fractional Order Controller Design for 13C Separation Column, The 19th Mediterranean Conference on Control and Automation, ISBN: 978-1-4577-0124-5, pp. 582-587, DOI: 10.1109/MED.2011.5983150, 20-23 iunie 2011, Corfu	Scopus	5	4
13	E.H. Dulf, C. Festila, A. Baldea	Stability of the 13C Column Separation in Industrial Mode of Operation, Applied Computational Intelligence and Informatics (SACI), 2011 6th IEEE International Symposium on, ISBN 978-1-4244-9108-7, DOI: 10.1109/SACI.2011.5872970, pp.41-44	Scopus	3	6.666666667
14	Pop (Muresan), C.-I., Dulf, E.-H., De Keyser, R., Ionescu, C. M., Muresan, B., Festila, Cl.	Predictive Control of the Multivariable Time Delay Processes in an Isotope Separation Column, 6th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI 2011), ISBN: 978-1-4244-9108-7, pp. 29 – 34, DOI: 10.1109/SACI.2011.5872968, 19-21 mai 2011, Timisoara	Scopus	7	2.857142857
15	A.O. Neaga, Cl. Festila, E.H. Dulf, T. Szelitzky, R. Both, C.-I. Pop (Muresan), M. Gligan	Electrical Power Monitoring and Control in 13C Isotope Separation Column Boiler, 7th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI), ISBN 978-1-4673-1013-0, pp.13-18, DOI: 10.1109/SACI.2012.6249968, 24-26 mai 2012, Timisoara	Scopus	7	2.857142857

16	Pop (Muresan), C.-I., Ionescu, C.M, De Keyser, R., Dulf, E.-H., Valean, H., Neaga, A., Darab, C.	An Alternative EPSAC Based Control Strategy for Multivariable Time Delay Processes, International IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics AQTR 2012 (THETA 18), IEEE Catalog Number: CFP12AQT-CDR, ISBN: 978-1-4673-0703-1, pp. 150-155, 24-27 mai 2012, Cluj-Napoca	Scopus	7	2.857142857
17	Neaga A. O, Festila C., Dulf E. H., Szelitzky T., Both R., Iulia I., Gligan M.	Operational model of the 13C isotope separation column, IEEE International Conference on Automation, Quality and Testing, Robotics, (AQTR 2012), IEEE Catalog Number: CFP12AQT-CDR, ISBN: 978-1-4673-0703-1, 24-27 mai, Cluj Napoca, Romania	Scopus	7	2.857142857
18	Muresan, C.-I., Both, R., Ionescu, C.M., Dulf, E.-H.	Fractional Order Control for the Temperature Loop in a Chemical Reactor, 16th International Conference on System Theory, Control and Computing, IEEE Catalog Number CFP1236P-CDR, ISBN 978-606-834-848-3, pp. 1-5, 12-14 octombrie 2012, Sinaia	Scopus	4	5
19	Muresan, C.I., Both, R., Dulf, E.H., Neaga, A., Ionescu, C.	HIL Real-Time Simulation of a Digital Fractional Order PI Controller for Time Delay Processes, IEEE Africon, ISBN: 978-1-4673-5940-5, ISSN: 2153-0025, DOI: 10.1109/AFRCON.2013.6757603, pp. 1-5, 9-12 September, Mauritius, 2013	Scopus	5	4
20	Muresan, C.I., Dulf, E.H., Both, R.	Fractional and Integer Order Control. Application to DC motor speed control, 17th International Conference on System Theory, Control and Computing Joint Conference SINTES 17, SACCS 13, SIMSIS 17, ISBN: 978-1-4799-2227-7, DOI: 10.1109/ICSTCC.2013.6688986, pp. 362 – 367, 11 - 13 October 2013, Sinaia, Romania D107	Scopus	3	6.666666667
21	Muresan, C.I., Dulf, E.H., Both, R., Ionescu, C.M., Nascu, I.	Improving performance for a 13C isotope separation plant using multivariable fractional order controllers, International Conference on Fractional Differentiation and its Applications, pp. 1-6, DOI: 10.1109/ICFDA.2014.6967385, 23-25 June, Catania, Italy, 2014	Scopus	5	4
22	Dulf, E.H., Muresan, C.I., Both, R., Dulf, F.V.	Fractional order controller design for a large class of process models, International Conference on Fractional Differentiation and its Applications, pp. 1-6, DOI: 10.1109/ICFDA.2014.6967448, 23-25 June, Catania, Italy, 2014	Scopus	4	5
23	Muresan, C.I., Dulf, E.H., Ionescu, C.	Robustness Evaluation of a Multivariable Fractional Order PI Controller for Processes with Multiple Time Delays, Journal of Control and Intelligent Systems, ActaPress, Vol. 42, No. 2, March 2014, http://www.actapress.com/Abstract.aspx?paperId=44491	Acta Press	3	6.666666667
24	Ordean, M., Dulf, E.-H., Festila, C.	Principles of the Operational Management for a hydropower plant dispatching, IFAC Proceedings Volumes (IFAC-PapersOnline) 1 (PART 1), pp. 209-212	Scopus	3	6.666666667
25	R. Festila, Tulbure, V., Dulf Eva-H., Festila, Cl.	"About the Optimal Operation of the Induction Traction Motors Under Scalar Control", Scientific Bulletin of "Politehnica" University of Timisoara, ROMANIA, Transactions on AUTOMATIC CONTROL and COMPUTER SCIENCE, Vol. 49(63), No.1, 2004, pp. 163 – 168	Google Academic	4	5
26	Cristina-Ioana Pop, Dulf Eva-Henrietta, Festila, Cl.	"Analysis and Prediction of the Flooding Phenomenon in the (13C) Cryogenic Separation Column", In: Control Engineering and Applied Informatics, June 2008, Volume 10, Number 2, ISSN 1454-8658, pp.47-53	Google Academic	3	6.666666667
27	Dulf Eva-Henrietta, Clement Festila, Mihai Abrudean	"Networked Robust Nonlinear Control of a Separation Column for 13C Enrichment by Cryogenic Distillation of Carbon Monoxide", Scientific Bulletin pf "Politehnica" University of Timisoara, Romania, Transactions on Automatic Control and Computer Science, Vol: 53(67) No: 1 / 2008	Google Academic	3	6.666666667
28	Clement Festila, Dulf Eva-Henrietta, Roxana Cordos	"Square Wave Generator with DC Control for High-field Asymmetric Ion Mobility Spectrometers (FAIMS)", BS-UPT TACCS Volume 54(68) No. 4 / 2009, pp. 163-169	Google Academic	3	6.666666667
29	Cristina I. Pop, Bogdan Muresan, Eva H. Dulf, Clara Ionescu, Robin De Keyser, Clement Festila	Multivariable Predictive Control for the Secondary Processes in a Cryogenic Carbon Isotope Separation Column, Scientific Bulletin of "Politehnica" University of Timisoara, ROMANIA, Transactions on AUTOMATIC CONTROL and COMPUTER SCIENCE, Vol. 56(70), No.4, 2011, ISSN 1224-600X, pp. 137 – 143	Google Academic	6	3.333333333
30	Bonta, D., Dulf Eva-Henrietta, Festila, Cl.	"Dynamical Nonlinear Model of the Wheel-Rail Slip in Railway Traction by Diesel-Electric Locomotives with DC Traction Motors", Proceedings of 2004 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics, AQTR-THETA14, May 13-15, 2004, Cluj-Napoca, ISBN 973-713-046-4,, pp.413 – 418	Google Academic	3	6.666666667

31	Bonta, D., Dulf Eva-Henrietta, Festila, Cl.	"Analysis of the Multi-Model Anti-Slip Control with DC Traction Motors by Diesel Electric Locomotives", Proceedings of 2004 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics, AQTR-THETA14, May 13-15, 2004, Cluj-Napoca, ISBN 973-713-046-4, pp.207 – 212	Google Academic	3	6.666666667
32	Dulf Eva-Henrietta, Festila Clement	"(15N) Isotope Separation Column: Simplified Model for Control and Simulation", SINTES 12, The International Symposium on System Theory, Automation, Robotics, Computers, Informatics, Electronics and Instrumentation, 20-22 October 2005, Craiova, Romania	Google Academic	2	10
33	Feştilă Rodica, Tulbure Vasile, Dulf Eva-Henrietta, Feştilă Clement	"Quasi-Extremum Scalar Control for Induction Traction Motors – Results of Simulation", SINTES 12, The International Symposium on System Theory, Automation, Robotics, Computers, Informatics, Electronics and Instrumentation, 20-22 October 2005 Craiova, Romania	Google Academic	4	5
34	Dulf Eva-Henrietta, Festila Rodica, Festila Clement	"Improved Slope Identification Techniques in Extremum Control", Proceedings of 3rd Romanian – Hungarian Joint Symposium on Applied Computational Intelligence, 25-26 mai 2006, Timisoara, ISBN 963-7154-46-9, pp.306-314	Google Academic	3	6.666666667
35	Dulf Eva-Henrietta, Feştilă Clement	"Robust-Predictive Control of (15N) Isotope Separation Column", Proceedings of the 7th International Symposium of Hungarian Researchers on Computational Intelligence, November 24-25, 2006, Budapest Tech, Budapest, Hungary, ISBN 963 7154 54 X, pp.405-413	Google Academic	2	10
36	A.O.Neaga, Cl. Festila, E.H. Dulf, R.Both, T. Szelitzky, M. Gligan	Monitoring and Remote Control of the 13C Separation Column, SB-UPT TACCS, Vol: 56(70) No: 3 / September 2011	Google Academic	6	3.333333333

Total punctaj A2.2.   208.4285714

A2.3.2. Proprietate intelectiala, brevete de inventie, certificate ORDA

Nr.	Tip: nat / internat.	Denumire brevet	Nr.autori	Punctaj
1	National	Propunere brevet faza A2: 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	4	6.25
2	National	Propunere brevet faza A2: 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	4	6.25
3	National	Propunere brevet faza A2: RO128666-A2, 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	5	5

Total punctaj A2.3.2   17.5

A2.4.1. Granturi/proiecte castigate prin competitie: director/responsabil de proiect

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	National	Reglarea robustă la sisteme neliniare. Aplicaţie pe o coloană de distilare, Contract nr.1441/25.10.2004, Grant castigat prin competitie la Institutul Programelor de Cercetare al Fundaţiei Sapientia Cluj-Napoca, program cu finanţare din surse internaţionale, 2004-2005, Titular grant	2004-2005	1	10
2	National	Extinderea teoriei Hinf la sisteme neliniare, cu parametrii distribuiţi, Contract de cercetare nr. 498/25.03.2003, Grant castigat prin competitie la Institutul Programelor de Cercetare al Fundaţiei Sapientia Cluj-Napoca, cu finanţare din surse internaţionale, 2002-2003, Titular grant	2002-2003	1	10
3	National	Sinteza conducerii robuste, Contract de cercetare nr. 836/29.11.2001, Grant castigat prin competitie la Institutul Programelor de Cercetare al Fundaţiei Sapientia Cluj-Napoca, cu finanţare din surse internaţionale, 2001-2002, Titular grant	2001-2002	1	10
4	National	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	1	10
7	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	3	30
8	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	3	30
9	International	Fractional order PID controller design for isotope separation columns, Grant nr. DSZ/25/2012, Hungarian Academy of Science, 2012, Titular grant	2012	1	20

Total punctaj A2.4.1   120

A2.4.2. Granturi/proiecte castigate prin competitie: membru in echipa

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	National	REGLAREA NELINIARA ROBUSTA A COLOANELOR DE SEPARARE CRIOGENICA A IZOTOPULUI 13C, UEFISCDI, PNII 71023/14.09.2007	2007-2010	3	6
2	National	Modern Cascade for 13C Cryogenic Separation (SEPCAS-13C), UEFISCDI, Proiect PNII PCCA 155/2012	2012-2016	3	6
3	National	Robust fractional order control strategies for multivariable time delay processes, UEFISCDI, Proiect TE PNII-RU-TE-2012-3-0307, 59/2013	2013-2016	2	4
4	National	ECHIPAMENTE TOLERANTE LA DEFECTE CONTROLATE PRIN ARHITECTURI ELECTRONICE DE INSPIRAŢIE BIOLOGICĂ, UEFISCDI, Proiect PNII, PC nr. 12121/01.10.2008, 2008-2011	2008-2011	3	6
5	National	Sisteme integrate pentru conducerea în timp real în reţea a proceselor, UEFISCDI, PNII, PC nr. 71084/18.09.2007, 2007-2010	2007-2010	3	6
6	National	ELABORAREA TEHNOLOGIEI DE SEPARARE A IZOTOPULUI 13C ÎN SISTEMUL CO2 – CARBAMAT, UEFISCDI, PNII, PC nr. 71069/18.09.2007, 2007-2010	2007-2010	3	6
7	National	MODELARE STRUCTURALA COMPLEXA PENTRU CONDUCEREA OPTIMALA A COLOANELOR DE SEPARARI IZOTOPICE, Program CNCSIS tip A, Cod CNCSIS 1287, 2006-2007	2006-2007	1	2
8	National	Studiul generatoarelor liniare destinate asigurării alimentării dispozitivelor electrice portabile moderne, contract de cercetare nr. 1019/05.10.2006, finanţat de Institutul Programelor de Cercetare al Fundaţiei „Sapientia", Cluj, 2006-2007	2006-2007	1	2
9	National	Convergenta tehnologiilor informationale si a metodelor de control automat cu aplicatii in centrale si sisteme energetice, ICPS, Program CEEX, Modul III, Cod MEC: PR-D05-PT00-19, 2005-2008	2005-2008	3	6
10	National	Elaborarea tehnologiei de separare a izotopului 13C prin distilarea criogenica a monoxidului de carbon, SEPC13, Program CEEX 45/8.09.2005, Modul I, 2005-2008	2005-2008	3	6

11	National	SISTEM TELEMATIC INTERACTIV PENTRU MODELAREA POTENTIALULUI HIDROENERGETIC AL UNEI AMENAJARI, Program INFOSOC PNCDI, 2003-2005	2003-2005	3	6
12	National	Microsistem pentru detecţia şi contorizarea celulelor sanguine, Proiect PNCDI – MATNANTECH, nr. 179/2003	2003-2005	3	6
13	National	MODELAREA, SIMULAREA SI CONDUCEREA PROCESELOR CU PARAMETRI DISTRIBUITI, CU APLICATII IN INSTALATII DE SEPARARE A IZOTOPILOR STABILI (N-15, O-18, C-13, DEUTERIU, URANIU), TERMOENERGETICA SI CHIMIE, CNCSIS, Contract nr. 33531 / 2002, tema 62, cod CNCSU 1079, 2002-2004	2002-2004	2	4
14	International	COMPUTER AIDED IN CONTROL ENGINEERING, Quality in Control (Qualiman), Program TEMPUS, 1995 – 2001	1995-2001	3	12

Total punctaj A2.4.1   78

A3.1.1. Citari in carti, reviste si volume ale unor manifestari stiintifice (carti, ISI)

Nr.	Articol citat	Articol care citeaza	Numar autori art.citat	Punctaj
1	EH Dulf, C Festila, F Dulf, Monitoring and Control System of a Separation Column for 13 C Enrichment by Cryogenic Distillation of Carbon Monoxide, International Journal of Mathematical Models and Methods in Applied Sciences, Issue 3, Volume 3, 2009, 196-203	Time delay compensation for the secondary processes in a multivariable carbon isotope separation unit, CI Pop, CM Ionescu, R De Keyser - Chemical Engineering Science, 2012 – Elsevier	3	2.6666667
2		R&D and Innovation Needs for Decommissioning of Nuclear Facilities, NUCLEAR ENERGY AGENCY ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT, OECD 2014, NEA No. 7191	3	2.6666667
3	Dulf E.-H., Festila C., Dulf F.V. , Robust nonlinear control of a separation column for 13C enrichment by cryogenic distillation of carbon monoxide (2008) Chemicke Listy, 102	Pop, C.I., Ionescu, C.M., De Keyser, R. Time delay compensation for the secondary processes in a multivariable carbon isotope separation unit, Chemical Engineering Science 80 , pp. 205-218	3	2.6666667
4	M,L Unguresan, A. Maicaneanu, F.V. Dulf, E.H. Dulf, D.M. Gligor, Application of Linear Regresion Analysis For Iron And Copper Removal Process Using Natural Zeolites, Journal of Thermal Analysis and Calorimetry, Springer, Vol 110 (3), 1293-1297, DOI: 10.1007/s10973-011-2086-4	J Drabik, M Trzos, Modelling relation between oxidation resistance and tribological properties of non-toxic lubricants with the use of artificial neural networks, Journal of thermal analysis and calorimetry, 2012	5	1.6
5		Wu, Qiong et al.: Pb(II) removal from aqueous solution by a low-cost adsorbent dry desulfurization slag. Applied Surface Science. 129. Volume:314. 2014	5	1.6

6		Boldizsar Nagy, Botond Szilagyi, Cornelia Majdik, Gabriel Katona, Cerasella Indolean, Andrada Măicăneanu, Cd (II) and Zn (II) Biosorption on Lactarius piperatus Macrofungus: Equilibrium Isotherm and Kinetic Studies, Environmental Progress & Sustainable Energy, Vol. 33, Issue 4, pages 1158–1170, December 2014	S	1.6
7	Tiberiu Coloşi, Mihaela Ligia Unguresan, Eva Dulf, Roxana Carmen Cordoş, "Introduction to Analogue Modeling and Numerical Simulation with (M) and Taylor Series Distributed Parameters Processes", GALAXIA GUTENBERG Publishing house, Cluj-Napoca, 2009	Vlad Muresan, Mihail Abrudean, Temperature Simulation In The Furnace With Rotary Hearth, Using Taylor Series, CEAI, Vol.12, No.4, pp. 51-59, 2010	4	2
8	Dulf Eva-Henrietta, Cl. Festila, F.V. Dulf, "Computer Monitoring and Control System of an Isotope Separation Column ", in the Proceeding Recent Advances in Systems, Included in ISI/SCI Web of Science and Web of Knowledge, Rodos Island, Greece, 2009, ISBN 978-960-474-097-0, ISSN 1790-2769, pp. 216-220	CI Pop, CM Ionescu, R De Keyser, Time delay compensation for the secondary processes in a multivariable carbon isotope separation unit, - Chemical Engineering Science, 2012 – Elsevier	3	2.6666667
9	Dulf E.H., Dulf F.V., Festila Cl., Robust-Predictive Control of (15 N) Isotope Separation Column, 7th International Symposium of Hungarian Researchers on Computational Intelligence	Everaldo Máximo, Carlos Roberto Sant Ana Filho, Paulo César Ocheuze Trivelin, José Albertino Bendassolli, Isotope Separation of Nitrogen by Ion Exchange Chromatography in a Cascade System, Solvent Extraction and Ion Exchange 11/2013; 31(7)	3	2.6666667
10	Szelitzky, Tibor; Dulf, Eva Henrietta*, Adaptive control in series load PWM induction heating inverters, INTERNATIONAL JOURNAL OF ELECTRONICS Volume: 100 Issue: 12 Pages: 1714-1723 Published: DEC 1 2013	Gerlach, O.; Lechler, A.; Verl, A, Time constant measurement for control of induction heating processes for thixoforming, MEASUREMENT SCIENCE & TECHNOLOGY Volume: 26 Issue: 2, Article Number: 025001, Published: FEB 2015	2	4

11	Dumitrache D.C.; De Schutter B.; Huesman A., Dulf E.H, Modeling, analysis, and simulation of a cryogenic distillation process for C-13 isotope separation, JOURNAL OF PROCESS CONTROL Volume: 22 Issue: 4 Pages: 798-808 Published: APR 2012	Li, Xingxing; Li, Jiageng; Yang, Bolun, Design and Control of the Cryogenic Distillation Process for Purification of Synthetic Natural Gas from Methanation of Coke Oven Gas, INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH Volume: 53 Issue: 50 Pages: 19583-19593 Published: DEC 17 2014	4	2
11	Dumitrache D.C.; De Schutter B.; Huesman A., Dulf E.H, Modeling, analysis, and simulation of a cryogenic distillation process for C-13 isotope separation, JOURNAL OF PROCESS CONTROL Volume: 22 Issue: 4 Pages: 798-808 Published: APR 2012	Y Fu, X Liu, Nonlinear dynamic behaviors and control based on simulation of high-purity heat integrated air separation column, ISA Transactions, Elsevier, doi:10.1016/j.isatra.2014.11.006	4	2
12	Pop (Muresan), C.-I., Ionescu, C., De Keyser, R., Dulf, E.-H. (2012), 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	Mihalache, Constantina Raluca; Apostol, Bogdan, Hand pose estimation using HOG features from RGB-D data, 2013 17TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) Pages: 356-367	4	2
13	Dulf, E.-H., Pop (Muresan), C.-I., Dulf, F.-V. (2012), Fractional Calculus in 13C Separation Column Control, Signal, Video and Image Processing, vol. 6, no. 3, pp.479-485, DOI: 10.1007/s11760-012-0335-z	Mahsan Tavakoli-Kakhki, Mohammad Saleh Tavazoei, Proportional stabilization and closed-loop identification of an unstable fractional order process, Journal of Process Control, Volume 24, Issue 5, May 2014, Pages 542–549	3	2.6666667
14		Roxana Both, Ana-Maria Cormos, Paul-Serban Agachi, Clement Festila, Dynamic modeling and validation of 2-ethyl-hexenal hydrogenation process, Computers & Chemical Engineering, Volume 52, 10 May 2013, Pages 100–111	3	2.6666667
15	Muresan, C.I., Folea, S., Mois, G., Dulf, E.H.* (2013), Development and Implementation of an FPGA Based Fractional Order Controller for a DC Motor, Elsevier Journal of Mechatronics, vol. 23, no. 7, pp. 798-804	Zhihuan Chen, Xiaohui Yuan, Bin Ji, Pengtao Wang, Hao Tian, Design of a fractional order PID controller for hydraulic turbine regulating system using chaotic non-dominated sorting genetic algorithm II, Energy Conversion and Management, Vol. 84, pp. 390-404, 2014	4	2

16	Dulf, E.H., Pop (Muresan), C.I., Dulf, F. (2012), Systematic Modeling of the (13C) Isotope Cryogenic Distillation Process, Separation Science and Technology, vol. 47(8), pp. 1234-1240 DOI:10.1080/0149639 5.2011.644614	Roxana Both, Ana-Maria Cormos, Paul-Serban Agachi, Clement Festila, Dynamic modeling and validation of 2-ethyl-hexenal hydrogenation process, Computers & Chemical Engineering, Volume 52, 10 May 2013, Pages 100–111	3	2.6666667
17		Szasz, Csaba; Cioloca, Adrian, Two-layer Coarse-fine-grid Network Model for Bio-inspired Computing Systems Development, 2013 17TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) Pages: 515-520 Published: 2013	3	2.6666667
18	Pop (Muresan), C.-I., Dulf, E.-H. (2010), Control Strategies of the 13C Cryogenic Separation Column, Control Engineering and Applied Informatics, Vol. 12, No. 2, ISSN 1454-8658, pp.36-43, June 2010	Roxana Both, Ana-Maria Cormos, Paul-Serban Agachi, Clement Festila, Dynamic modeling and validation of 2-ethyl-hexenal hydrogenation process, Computers & Chemical Engineering, Volume 52, 10 May 2013, Pages 100–111	2	4
19		Boca, Maria Loredana; Croitoru, Bogdan; Abrudean, Mihail, Modeling Approach of C-13 Isotope Separation Column for Mission Critical Situations Detection, ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS, AND NANOTECHNOLOGIES VI Book Series: Proceedings of SPIE Volume: 8411 Article Number: UNSP 84112V Published: 2012	2	4
20	Muresan, C.I., Dulf, E.H., Both, R., Palfi, A., Caprioru, M. (2013), Microcontroller Implementation of a Multivariable Fractional Order PI Controller, The 9th International Conference on Control Systems and Computer Science (CSC519-2013), IEEE Catalog Number E4980, ISBN: 978-0-7685-4980-4, DOI: 10.1109/CSCS.2013.9, pp. 44-51, 29-31 May, Bucharest, Romania	Mihalache, Constantina Raluca; Apostol, Bogdan, Hand pose estimation using HOG features from RGB-D data, 2013 17TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) Pages: 356-367	5	1.6
21	Dulf, E.-H., Muresan, C.I., Unguresan, M. L. (2014), Modeling the (15N) Isotope Separation Column, Journal of Mathematical Chemistry, Vol. 52, No.1, pp. 115-131, DOI: 10.1007/s10910-013-0248-2	Secara, M.; Abrudean, M.; Boca, Maria Loredana; Croitoru, B., The Experimental Identification of the Separation Cascade of (O-18) in the NO, NO2-H2O, HNO3 System, 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS Book Series: IEEE International Conference on Automation Quality and Testing Robotics	3	2.6666667

22	Pop (Muresan), C.-I., Festila, Cl., Dulf, E.-H. (2010), Optimal Control of The Carbon Isotopes Cryogenic Separation Process, Chemical and Biochemical Engineering Quarterly, Issue 24, No. 3, ISSN 0352-9568, pp.301-307	Boca, Maria Loredana; Croitoru, Bogdan; Abrudean, Mihail, Modeling Approach of C-13 Isotope Separation Column for Mission Critical Situations Detection, DVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS, AND NANOTECHNOLOGIES VI Book Series: Proceedings of SPIE Volume: 8411 Article Number: UNSP 84112V Published: 2012	3	2.6666667
23	Clement Festila, Cristina Ioana Pop (Muresan), Eva Henrietta Dulf, Mihai Gligan, Aurel Baldea, Flooding Process Analysis by 13C Cryogenic Separation Column, International IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics AQTR 2008 (THETA 16), ISBN: 978-1-4244-2577-8, IEEE Catalog Number: CFP08AQCDR, Library of Congress: 2008904446, pp.96-100, 22-25 mai 2008, Cluj-Napoca	Trușcă, M.R.C., Albert, Ș., Soran, M.L., (...), Farcas, F., Unguresan, M.L., Application for some parameters monitoring in installation for isotopes separation , Proceedings of 2014 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2014 6857931	5	1.6
24	T Colosi, ML Unguresan, EH Dulf, RC Cordoș, Introduction to Analogical Modeling and Numerical Simulation with (Mpdx) and Taylor Series for distributed parameters processes, Galaxia Gutemberg, 2009	Secara, M.; Abrudean, M.; Boca, M.L.; Croitoru, B., The experimental identification of the separation cascade of (18O) in the NO, NO2 — H2O, HNO3 system, 2014 IEEE International Conference on Automation, Quality and Testing, Robotics, DOI: 10.1109/AQTR.2014.6857926	4	2
25	Gligan, M.; Dulf, E.H; Unguresan, M.L.; Festila, C., Preliminaries Regarding General Modeling of the Cryogenic Distillation with Application to (13C) Isotope Separation, 2006 IEEE International Conference on Automation, Quality and Testing, Robotics, DOI: 10.1109/AQTR.2006.254516	CI Pop, CM Ionescu, R De Keyser, Time delay compensation for the secondary processes in a multivariable carbon isotope separation unit, Chemical Engineering Science, 2012 - Elsevier	4	2

26	E.H Dulf, C Festila, FV Dulf, **Robust nonlinear control of a separation column for 13C enrichment by cryogenic distillation of carbon monoxide, Chem. Listy, 2008,**	CI Pop, CM Ionescu, R De Keyser, Time delay compensation for the secondary processes in a multivariable carbon isotope separation unit, Chemical Engineering Science, 2012 - Elsevier	3	2.6666667
27	A.O. Neaga, Cl. Festila, E.H. Dulf, T. Szelitzky, R. Both, C.-I. Pop (Muresan), M. Gligan (2012), Electrical Power Monitoring and Control in 13C Isotope Separation Column Boiler, 7th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI), ISBN 978-1-4673-1013 0, pp.13-18, DOI: 10.1109/SACI.2012.62 49968, 24-26 mai 2012, Timisoara	Trușcă, M.R.C., Albert, Ș., Soran, M.L., (...), Farcas, F., Unguresan, M.L., Application for some parameters monitoring in installation for isotopes separation , Proceedings of 2014 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2014 6857931	5	1.6
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30		Cristina I. Muresan, Fractional Calculus: From Simple Control Solutions to Complex Implementation Issues, Discontinuity and Complexity in Nonlinear Physical Systems, Nonlinear Systems and Complexity Volume 6, 2014, pp 113-134	3	2.6666667
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33	T Colosi, M Abrudean, E.H Dulf, M Unguresan, Numerical Modelling and Simulation Method for Lumped and Distributed Parameters Processes with Taylor Series and Local Iterative Linearization, Cluj-Napoca: Mediamira, 2008	NM Roman, H Colosi, M Pusca, Digital Simulation for Computer Control of Radiological Devices: A Preliminary Model Using Partial Differential Equations, International Conference on Advancements of Medicine and Health Care through Technology IFMBE Proceedings Volume 26, 2009, pp 37-42, Springer, DOI: 10.1007/978-3-642-04292-8_9	4	2
34		MN Roman, H Colosi, F Roman, Analog Modeling and Numeric Simulation of the Van der Pol Equation with Variable Parameters (α and β), International Conference on Advancements of Medicine and Health Care through Technology IFMBE Proceedings Volume 26, 2009, pp 323-326, Springer, DOI: 10.1007/978-3-642-04292-8_72	4	2
35	Dulf E.H., Festila, CL., Model Predictive Control of (15N) Isotope Separation Column, 2006 IEEE International Conference on Automation, Quality and Testing, Robotics, DOI: 10.1109/AQTR.2006.254518,	ML Unguresan, V Muresan, T. Colosi, Control system for a distributed parameter process, with applications in isotope separation domain: Case study, 2014 IEEE International Conference on Automation, Quality and Testing, Robotics, DOI: 10.1109/AQTR.2014.6857927	2	4
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Total punctaj A3.1.1.   **89.6**

A3.1.2. Citari in carti, reviste si volume ale unor manifestari stiintifice (BDI)

Nr.   Articol citat   Articol care citeaza   Numar autori art.citat   Punctaj

1	Muresan, C.I., Dulf, E.H., Both, R. , Fractional and Integer Order Control. Application to DC motor speed control, 17th International Conference on System Theory, Control and Computing Joint Conference SINTES 17, SACCS 13, SIMSIS 17, ISBN: 978-1-4799-2227-7, DOI: 10.1109/ICSTCC.2013. 6688986, pp. 362 – 367, 11 - 13 October 2013, Sinaia, Romania	Viveiros, C., Melício, R., Igreja, J., Mendes, V.M.F., Performance assessment of a wind energy conversion system using a hierarchical controller structure, Energy Conversion and Management, 93, pp. 40-48, 2015	3	1.3333333
2		Viveiros, C., Melício, R., Igreja, J., Mendes, V.M.F., Fractional Order Control on a Wind Turbine Benchmark, Proceedings of the 18th International Conference on System Theory, Control and Computing (ICSTCC), DOI: 10.1109/ICSTCC.2014.6982394, 2014	3	1.3333333
3	Muresan, C.I., Folea, S., Mois, G., Dulf, E.H.* (2013), Development and Implementation of an FPGA Based Fractional Order Controller for a DC Motor, Elsevier Journal of Mechatronics, vol. 23, no. 7, pp. 798-804, UEFISCDI, PN-II-RU-PRECISI- 2014-8-4691	Viveiros, C., Melício, R., Igreja, J., Mendes, V.M.F., Performance assessment of a wind energy conversion system using a hierarchical controller structure, Energy Conversion and Management, 93, pp. 40-48, 2015+D157	4	1
4		Akkaya, S., Akbati, O., Gorgun, H., Multiple closed loop system control with digital PID controller using FPGA, Proceedings - 2014 International Conference on Control, Decision and Information Technologies, CoDIT 2014 6996993, pp. 764-769	4	1
7	Dulf, E.-H., Pop (Muresan), C.-I., Feştilă, Cl., Dulf, F. (2009), Robust Feedback Linearization Applied to a Separation Column for 13C, American Institute of Physics Proceedings no. 1107 33 (2009), DOI: 10.1063/1.3106498	Cosmin Darab, Ramona Hodrea, Ruben Crisan, Ioan Nascu, Modeling and Internal Model Control Strategy of pH Neutralization Process, 20th Telecommunications Forum (TELFOR), pp. 1579 – 1582, DOI: 10.1109/TELFOR.2012.6419524, Begrade, Serbia, 2012	4	1
8	Cristina Ioana Pop (Muresan), Clement Festila, Eva Henrietta Dulf, Optimal Control of The Carbon Isotopes Cryogenic Separation Process, Chemical and Biochemical Engineering Quarterly, Issue 24, No. 3, ISSN 0352-9568, pp.301-307, 2010	Maria Loredana Boca, Mihai Secara, Mihail Abrudean, METHODS FOR CONTROL OF SOME CRITICAL SITUATIONS AFFERENT OF A 13 C ISOTOPE SEPARATION COLUMN, International Journal of Modern Manufacturing Technologies, ISSN 2067–3604, Vol.V, No.2/ 2013	3	1.3333333

9	Pop (Muresan), C.-I., Dulf, E.-H. (2010), Control Strategies of the 13C Cryogenic Separation Column, Control Engineering and Applied Informatics, Vol. 12, No. 2, ISSN 1454-8658, pp.36-43, June 2010	Maria Loredana Boca, Mihai Secara, Mihail Abrudean, METHODS FOR CONTROL OF SOME CRITICAL SITUATIONS AFFERENT OF A 13 C ISOTOPE SEPARATION COLUMN, International Journal of Modern Manufacturing Technologies, ISSN 2067–3604, Vol.V, No.2/ 2013	2	2
11	Muresan, C.-I., Both, R., Ionescu, C.M., Dulf, E.-H., Fractional Order Control for the Temperature Loop in a Chemical Reactor, 16th International Conference on System Theory, Control and Computing, IEEE Catalog Number CFP1236P-CDR, ISBN 978-606-834-848-3, pp. 1-5, 12-14 octombrie 2012, Sinaia	Viveiros, C., Melício, R., Igreja, J., Mendes, V.M.F., Fractional Order Control on a Wind Turbine Benchmark, Proceedings of the 18th International Conference on System Theory, Control and Computing (ICSTCC), DOI: 10.1109/ICSTCC.2014.6982394, 2014	4	1
12	T Colosi, ML Unguresan, EH Dulf, RC Cordoş, Introduction to Analogical Modeling and Numerical Simulation with (Mpdx) and Taylor Series for distributed parameters processes, Galaxia Gutemberg, 2009	Festila, R ; Tulbure, V., Numerical simulation of a Diesel engine in railway traction using partial differential equations, 2010 IEEE International Conference on Automation Quality and Testing Robotics (AQTR), DOI: 10.1109/AQTR.2010.5520899	4	1
13		ML Boca, M Secara, M Abrudean, METHODS FOR CONTROL OF SOME CRITICAL SITUATIONS AFFERENT OF A 13 C ISOTOPE SEPARATION COLUMN, modtech.ro	4	1
14	Dulf, E.H; Unguresan, M.L. ; Gligan, M. ; Festila, C., Operational Models of the Cryogenic Distillation Column for (13C) Isotope, 2006 IEEE International Conference on Automation, Quality and Testing, Robotics, DOI: 10.1109/AQTR.2006.254517	Muntean, I ; Stuckert, M. ; Abrudean, M., A general distillation modeling framework applied to an isotopic distillation column, 2011 19th Mediterranean Conference on Control & Automation (MED), DOI: 10.1109/MED.2011.5983157	4	1

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17		Y Fu, X Liu, Nonlinear dynamic behaviors and control based on simulation of high-purity heat integrated air separation column, ISA transactions, 2014 - Elsevier	4	1
18	Dulf E.H., Festila, CL., Model Predictive Control of (15N) Isotope Separation Column, 2006 IEEE International Conference on Automation, Quality and Testing, Robotics, DOI: 10.1109/AQTR.2006.254518,	Muresan, C.I.; Folea, S. ; Mois, G., Optimal implementation of advanced control methods on FPGA targets, 2013 IEEE RIVF International Conference onComputing and Communication Technologies, Research, Innovation, and Vision for the Future (RIVF), DOI: 10.1109/RIVF.2013.6719895	2	2
19	Huzau, Dulf E.H. Festila Cl., About the Quasi-Direct Feed Possibility of the Induction Traction Motors from Diesel-electric Locomotives, Proceedings of International IEEE-TTTC AQTR 2006 (THETA 15), 25-28 mai 2006, Cluj-Napoca, pp.304-308	Boora, A.A.; Brisbane, QLD ; Zare, F. ; Ghosh, A. ; Ledwich, G., Applications of power electronics in railway systems, IEEE Power Engineering Conference, 2007. AUPEC 2007. Australasian Universities, DOI: 10.1109/AUPEC.2007.4548027	3	1.3333333
20		C Nagamani, R Somanatham, An Alternative to Squirrel Cage Induction Motor for Electric Traction for Indian Railways–a Theoretical Cost saving Approach, IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE), e-ISSN: 2278-1676,p-ISSN: 2320-3331, Volume 9, Issue 4 Ver. VI (Jul – Aug. 2014), PP 37-40	3	1.3333333

21	M,L Unguresan, A. Maicaneanu, F.V. Dulf, E.H. Dulf, D.M. Gligor, Application of Linear Regresion Analysis For Iron And Copper Removal Process Using Natural Zeolites, Journal of Thermal Analysis and Calorimetry, Springer, Vol 110 (3), 1293-1297, DOI: 10.1007/s10973-011-2086-4	CAIYWU Qiong, FUCYU Yan, Study on the Structures and Properties of Copper Removal Adsorbent Prepared from Sinter-free Pulverized Oyster Shell Materials, 2013 - eco-func.fzu.edu.cn	5	0.8
22	E.H Dulf, R Both, DC Dumitrache, Fractional order models for a cryogenic separation column, 2010 IEEE International Conference on Automation Quality and Testing Robotics (AQTR), DOI: 10.1109/AQTR.2010.5520895	C Copot, CI Muresan, R De Keyser, Speed and position control of a DC motor using fractional order PI-PD control, 3rd International Conference on Fractional Signals and Systems, Proceedings, 2013	3	1.3333333

Total punctaj A3.1.2.   **22.8**

A3.2.1. Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale si profesor invitat (internationale)

Nr.	Scopul	Denumirea	Perioada	Punctaj
1	Profesor invitat	International Summer Course on Multivariable Control, University of Ghent, Belgium (2013), "Robust control system design", http://www.mimocontrol.ugent.be/2014/summercourse.html, 2014, Ghent, Belgium	30.07-2.08.2013	10

Total punctaj A3.2.1   **10**

A3.3.1. / A3.3.2 / A3.3.3. Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, internationale indexate ISI

Nr.	Scopul	Denumirea	Perioada	Tipul
1	Organizator sesiune speciala	"Fractional Order Modeling and Control", IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2014), Cluj-Napoca, Romania, 22-24 May 2014	22-24.05.2014	ISI
2	Organizator sesiune speciala	"Separation process modeling and control", IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2014), Cluj-Napoca, Romania, 22-24 May 2014	22-24.05.2014	ISI
3	Membru colectiv de redactie	International Journal of Advanced Robotic Systems, ISSN: 1729-8806, Intech		ISI
4	Membru Program Committee	IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics AQTR 2008 (THETA 16)	May 22-25 2008	ISI
5	Membru Program Committee	2014 IEEE International Conference on Automation, Quality and Testing, Robotics AQTR 2014,- THETA 19th edition -Cluj-Napoca, Romania	May 22-24 2014	ISI
6	Membru colectiv de redactie	Journal of Control Science and Engineering (ISSN 2328-2231, David Publishing		BDI
7	Membru Program Committee	IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics AQTR 2010 (THETA 17)	May 28-30 2010	BDI
8	Membru Program Committee	Adaptation and Learning in Control and Signal Processing, ALCOSP 2010, IFAC Workshop, Antalya, Turkey	August 26-28 2010	BDI
9	Membru Program Committee	IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics AQTR 2012 (THETA 18)	May 24-27 2012	BDI

Total punctaj A3.3.1

A3.4.1.Premii internationale in domeniu

Nr.	Anul	Descriere premiu	Punctaj
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	15
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	15
3	2012	Medaille d'or de remettre a: R.A. Munteanu, E.H. Dulf, C. Festila, R. Munteanu, Gh. Todoran pour l'invention: Traducteur electronique analogique pour measures de puissance en courant continu, Salon International des Inventions, Geneve, le 20 avril 2012	15
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	15
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 inventii, Salonul Internațional de Inventică PRO INVENT, ediția a X-a, 2012, Cluj-Napoca	15
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"	15
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	15
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	15
9	2012	Gold medal for „Analog Electronic Transducer for DC Power Measurement", European Exhibition of Creativity and Innovation, EUROINVENT 2012, Iași	15
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	15
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	15
12	2013	Gold medal for „Cryogenic Capacitive Transducer", European Exhibition of Creativity and Innovation, EUROINVENT 2013, Iași	15
13	2013	Gold medal for „Cyogenic 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	15
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
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	15
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	15

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	15
18	2013	Premiul special al Incubatorului de inventica al Federației Ruse (Vladislav Fadeev), Salonul Internațional de Invenții, Geneva 2013	15
19	2014	Special Award for "Analog Electronic Transducer for DC Power Measurement", Taiwan Prominent Inventor Association, Burssele, 2014	15
20	2014	Award the diploma international Europe France Inventeurs (E.F.I.) for "Analogue electronic transducer for measuring power in direct current circuits", 2014	15
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	15
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	1S
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	15

Total punctaj A3.4.1.   **345**

A3.4.2.Premii naționale în domeniu

Nr.	Anul	Descriere premiu	Punctaj
1	2013	Lucrare premiata UEFISCDI 2013: Eva-Henrietta Dulf, Cristina-Ioana Pop, Francisc-Vasile Dulf, Systematic Modeling of the (13C) Isotope Cryogenic Distillation Process, Separation Science and Technology, Taylor & Francis, Volume 47, Issue 8, 2012, pg. 1234-1240, DOI: 10.1080/01496395.2011.644614	5
2	2013	Lucrare premiata UEFISCDI 2013: 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	S
3	2013	Lucrare premiata UEFISCDI 2013: 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	5
4	2014	Lucrare premiata UEFISCDI 2014: Eva-Henrietta Dulf, Cristina I. Muresan, Mihaela L. Unguresan, Modeling the (1SN) isotope separation column, DOI 10.1007/s10910-013-0248-2, JOURNAL OF MATHEMATICAL CHEMISTRY, Springer, ISSN: 0259-9791, 2014, 52:115–131	5
5	2014	Lucrare premiata UEFISCDI 2014: Cristina I. Muresan, Silviu Folea, George Mois, Eva H. Dulf*, Development and Implementation of an FPGA Based Fractional Order Controller for a DC Motor, Mechatronics, Elsevier, ISSN: 0957-4158, Vol.23, Issue 7, 2013, pg. 798-804, http://dx.doi.org/10.1016/j.mechatronics.2013.04.001	5

Total punctaj A3.4.2.   **25**

09.03.2015.
Prof. dr. ing. Eva-H. DULF