Domeniul Fundamental: STIINTE INGINERESTI
Domeniul de Studii Universitare: CALCULATOARE si TEHNOLOGIA INFORMATIEI
Comisia CNATDCU [nr/denumire]: 15. CALCULATOARE, TEHNOLOGIA INFORMATIEI SI INGINERIA SISTEMELOR

UNIVERSITATEA POLITEHNICA BUCURESTI

FISA DE EVALUARE A ACTIVITATII CANDIDATULUI

Condiţii Minimale pentru Inscrierea la Concurs [Abilitare]
[OMECTS 6560 / 20.12.2012, MO, PI, 890bis / 27.12.2012]

NUME CADRU DIDACTIC: UDREA ANDREEA IOANA
FACULTATEA: AUTOMATICA SI CALCULATOARE

Punctaje conditii minimale (A)			
Nr.	**Domeniul de activitate**	**Minim prevazut**	**Realizat**
A1	Activitatea didactica / profesionala (A1)	100.00	107.14
A2	Activitatea de cercetare (A2)	600.00	715.03
A3	Recunoasterea impactului activitatii (A3)	150.00	387.02
TOTAL (A)		**850.00**	**1209.19**

Punctaje conditii minimale obligatorii pe subcategorii			
Nr.	**Carti si capitole in carti de specialitate**	**Minim prevazut**	**Realizat**
A1.1.1-A1.1.2	Carti de specialitate	1	2
A2.1	Articole in reviste cotate ISI si in volumele unor manifestari stiintifice indexate ISI proceedings	15	31
	din care cotate ISI Q1 sau Q2	3	3
A2.4.1	Granturi / proiecte castigate prin competitie (Director / responsabil)	2	2
A3.1.1	Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI sau BDI	25	98
	Factor de impact cumulat pentru publicatii	10	28.922

STRUCTURA ACTIVITATII CANDIDATULUI

A1	**Activitatea didactica si pedagogica (A1)**	**107.1428571**
A1.1.1	**Carti si capitole in carti de specialitate in edituri internationale recunoscute [Carti: 50p/nr.autori sau 100/nr.autori daca apare in >50 biblioteci WorldCat][Capitole: ¼ din punctajul pentru carte]**	
1		
	Total (A1.1.1)	**0**

A1.1.2	**Carti si capitole in carti de specialitate in edituri nationale recunoscute [50p/nr.autori]**	
1	C. Lupu, Udrea A., D. Popescu, C. Petrescu, Al. Ticlea, C. Dimon, B. Irimia - Solutii practice de conducere a proceselor neliniare, Editura PolitehnicaPress, 2010, 306 pag., ISBN 978-606-515-105-5 [CNCSIS cod 19]	7.142857143
2	Udrea A., Tehnici fractale pentru prelucrarea semnalelor biomedicale, Editura Politehnica Press, 2014, 173 pag, ISBN:978-606-515-565-7 [CNCSIS cod 19]	50
3	Udrea A., Introducere in C, structuri de date si algoritmi, Editura Politehnica Press, 2020, 217 pag, ISBN:978-606-515-922-8 [CNCSIS cod	50
	Total (A1.1.2)	**107.1428571**

A1.2.1	**Material didactic / Lucrari didactice [40p/nr.autori]**	
1		
	Total (A1.2.1)	**0**

A2	**Activitatea de cercetare (A2)**			**715.03**
A2.1	**Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings [(25+30*factor impact)/nr.autori]**	**Numar autori**	**Factor Impact**	**Punctaj**
1	**Udrea A.**, G.D. Mitra, D. Costea, E.C. Noels, M. Wakkee, D.M. Siegel, T.M. de Carvalho, T.E.C. Nijsten, Accuracy of a smartphone application for triage of skin lesions based on machine learning algorithms, Eur Acad Dermatol Venereol., Volume: 34 Issue: 3 Pages: 648-655 2020 WOS:000529420700055 (Q1 - https://www.scimagojr.com/journalsearch.php?q=24790&tip=sid&clean=0) https://apps.webofknowledge.com/Search.do?product=WOS&SID=F1U3uAYQe7ENF1WPkwH&search_mode=GeneralSearch&prID=644cdd7a-723f-4add-a166-8b5f22762865	8	5.548	23.93

2	T. Maier,D. Kulichova, K. Schotten, R. Astrid, T. Ruzicka, C. Berking, **Udrea A**., Accuracy of a smartphone application using fractal image analysis of pigmented moles compared to clinical diagnosis and histological result, Eur Acad Dermatol Venereol., vol. 29, iss. 4, pp. 663-667 2015 DOI: 10.1111/jdv.12648, ISSN 9269959; WOS:000351684500005 (Q1 https://www.scimagojr.com/journalsearch.php?q=24790&tip=sid&clean=0) http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Y2hu1SAPqWmKo3URKGp&page=1&doc=4&cacheurlFromRightClick=no	7	5.548	27.35
3	Thissen M, **Udrea A**, Hacking M, von Braunmuehl T, Ruzicka T, mHealth App for Risk Assessment of Pigmented and Nonpigmented Skin Lesions-A Study on Sensitivity and Specificity in Detecting Malignancy, Journal of Telemedicine and E Health, Volume: 23 Issue: 12 Pages: 948-954, 2017 2017 WOS:000417645500003 (Q2 - https://www.scimagojr.com/journalsearch.php?q=23728&tip=sid&clean=0) https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=8&SID=F1U3uAYQe7ENF1WPkwH&page=2&doc=12&cacheurlFromRightClick=no	5	2.841	22.05
4	**Udrea A**, Mitra G, Generative Adversarial Neural Networks for Pigmented and Non-Pigmented Skin Lesions Detection in Clinical Images, Proceedings - 2017 21st International Conference on Control Systems and Computer, CSCS 2017, pp 364-368, 201710.1109/CSCS.2017.56 WOS:000449004400049 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=8&SID=F1U3uAYQe7ENF1WPkwH&page=2&doc=17&cacheurlFromRightClick=no	2	0.25	16.25
5	**Udrea A**.; Pigmented nevi risk assessment based on the correlation dimension of the associated lesion's attractor ; Proceedings 2015 20th International Conference on Control Systems and Computer Science; vol II, ISBN 978-1-4799-1779-2; pp.525-530 An 2015:05; WOS:000380375200076 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=4&SID=4CYao76CShzJ2ylVjnK&page=1&doc=10&cacheurlFromRightClick=no	1	0.25	32.50
6	**Udrea A**., D. Popescu, C. Miron, An analysis on the reliability of a series of texture and shape descriptors for melanoma diagnosis, Scientific Bulletin-Series C-Electrical Engineering and Computers Science; Vol. 78, Iss. 2, pp. 23-34; 2016 ; WOS:000388733300003 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=4&SID=4CYao76CShzJ2ylVjnK&page=1&doc=5&cacheurlFromRightClick=no	3	0.3	11.33
7	**Udrea A.**, M. Olteanu, A Note On The Correlation And Higuchi Dimensions For Image Analysis; Scientific Bulletin-Series A-Applied Mathematics And Physics, Vol. 77, Iss. 2, 2015; pp. 43-48, 2015; ISSN 1223-7027, WOS:000355574100005; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Y2hu1SAPqWmKo3URKGp&page=1&doc=5	2	0.629	21.94
8	**Udrea A.**, Early Melanoma Detection Based on Chromatic Descriptors and Machine Learning Algorithms, Journal of Control Engineering and Applied Informatics, Vol. 17, Iss. 3, pp 60-67, 2015; ISSN: 1454-8658; WOS:000362387900007; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Y2hu1SAPqWmKo3URKGp&page=1&doc=1	1	1.192	60.76
9	A.K. Gupta, **Udrea A.**, Beyond linear methods of data analysis: Time series analysis and its applications in renal research, Nephron - Physiology, 124 (3-4), pp. 14-27, 2013 DOI: 10.1159/000356382, ISSN 1660-2137, WOS:000331381600002 (Q2 - Review - https://www.scimagojr.com/journalsearch.php?q=31051&tip=sid&clean=0) http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T2onYgxAs9y5cqNelhb&page=1&doc=3&cacheurlFromRightClick=no	2	2.538	50.57
10	I. Anghel, R.R.P. Purtan, **Udrea A.**,How relevant are the Estimations of the Fractal Dimension of the Texture and Contour to discriminate between Malignant and Benignant Sinus Tumors – A statistical study, U.P.B. Sci. Bull., Series A, Vol. 74, Iss. 3, pp. 57-66, 2012 , ISSN 1223-7027, WOS:000307909700006 ; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T2onYgxAs9y5cqNelhb&page=1&doc=6&cacheurlFromRightClick=no	3	0.629	14.62
11	**Udrea A.**, A. Ticlea, V. Tanasa, C. Flutur, On the nonlinear output regulation problem - Part 1 - MIMO nonlinear systems normal forms and a discussion on the necessary conditions for solving the control problem, U.P.B. Sci. Bull., Series A, Vol 74. Iss 4, pp. 3-16, 2012, ISSN 1223-7027, WOS:000312677000001 ; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T2onYgxAs9y5cqNelhb&page=1&doc=6&cacheurlFromRightClick=no	4	0.629	10.97
12	**Udrea A**., M. Olteanu, Image analysis based on the study of the attractor of a time series, U.P.B. Sci. Bull., Series A, Vol 72. Iss 4, pp. 11-20, 2010 ISSN 1223-7027 WOS:000286087500002 http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T2onYgxAs9y5cqNelhb&page=1&doc=12&cacheurlFromRightClick=no	2	0.629	21.94
13	**Udrea A**., A. Costinoaia, C. Lupu, D. Popescu -Hysteresis Modeling with Prandtl-Ishlinskii Operators for Linearization of a (Ba/Sr)Tio3 Based Actuator, U.P.B. Sci. Bull., Series A, Vol 72, no.2, pp. 51-62, 2010, ISSN 1223-7027, pp. 51-63, WOS:000278871400005 ; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T2onYgxAs9y5cqNelhb&page=1&doc=13&cacheurlFromRightClick=no	4	0.629	10.97
14	C. Lupu, A. Ticlea, **Udrea A.**, C. Petrescu, D. Popescu, Control Solutions for Processes with Large Load Variations, Journal of Control Engineering and Applied Informatics, Volume: 12, Issue: 2, Pages: 52-57, 2010 WOS:000279323100009 ; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T2onYgxAs9y5cqNelhb&page=1&doc=9&cacheurlFromRightClick=no	5	1.192	12.15
15	I. Sinescu, C. Surcel, C. Mirvald, C. Chibelean, C. Gingu, D. Avram, M. Hîrza, M.A. Manu, R. Lazar, C. Săvu, **Udrea A.**, C59 Image fractal analysis in retroperitoneal fibrosis – 5 years of experience with 19 patients, European Urology Supplements, Volume 8, Issue 8, pp. 677-678, 2009 DOI: 10.1016/S1569-9056(09)75084-5, ISSN 1569-9056, WOS:000280285400311; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=27&SID=Y2hu1SAPqWmKo3URKGp&page=1&doc=1	11	1.176	5.48
16	M. Voinescu, **Udrea A.**, S. Caramihai, On Urban Traffic Modelling and Control, Journal of Control Engineering and Applied Informatics, Vol.11, No. 1, pp. 10-18, 2009, ISSN 1454-8658, WOS:000268886200002; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=R1W4XfUldYKFaLYVjBe&page=1&doc=16&cacheurlFromRightClick=no	3	1.192	20.25
17	I. Tache, **Udrea A**., D. Popescu, M. Vermandel, C. Vasseur, Preliminary results for automatic detection of arterio-venous malformations from medical images, Proceedings - 19th International Conference on Control Systems and Computer Science, pp. 313-318, 2013 DOI: 10.1109/CSCS.2013.82, WOS:000328493800047 ISBN: 978-1-4673-6140-8 ; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T2onYgxAs9y5cqNelhb&page=1&doc=4	5	0.250	6.50

18	R.R.P. Purtan, **Udrea A.**, A modified stochastic simulation algorithm for time-dependent intensity rates, Proceedings - 19th International Conference on Control Systems and Computer Science, pp. 365-369, 2013 DOI: 10.1109/CSCS.2013.101, ISBN: 978-1-4673-6140-8 , WOS:000328493800056; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T2onYgxAs9y5cqNelhb&page=1&doc=5&cacheurlFromRightClick=no	2	0.250	16.25
19	Dimon, C., **Udrea, A.**, Compartmental networks approach on urban traffic control, 2013 17th International Conference on System Theory, Control and Computing, ICSTCC 2013; Joint Conference of SINTES 2013, SACCS 2013, SIMSIS 2013 – Proceedings 6688954, pp. 166- 171,2013, DOI: 10.1109/ICSTCC.2013.6688954, ISBN:978-1-4799-2227-7, WOS:000330660500027; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T2onYgxAs9y5cqNelhb&page=1&doc=2&cacheurlFromRightClick=no	2	0.250	16.25
20	**Udrea A**., M. Olteanu, A Comparative Study on the Fractal Dimension Method and the Time Series Analysis with Applications in Medical Imaging, Proceedings of the 11th WSEAS International Conference on mathematics and computers in biology and chemistry, G. Enescu University, Iasi, Romania June, 2010, ISBN: 978-960-474-194-6, WOS:000292939900017 ; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T2onYgxAs9y5cqNelhb&page=1&doc=11&cacheurlFromRightClick=no	2	0.250	16.25
21	S. Caramihai, I. Dumitrache , M. Voinescu, **Udrea A.**, C.Munteanu, Integrated Modeling and Control Platform for Urban Traffic Networks, IEEE International Conference on Systems, Man and Cybernetics, SMC 2010, Istanbul, Octombrie 10-13, 2010, ISBN 978-1-4244-6588-0, WOS:000287606400026 ; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T2onYgxAs9y5cqNelhb&page=1&doc=10&cacheurlFromRightClick=no	5	0.250	6.50
22	Lupu C., **Udrea A**., O. Pages., M. Azzouzi, Multi Model Control Solution for Some Clases of Hysteretic Processes, 18th IEEE Mediterranean Conference on Control and Automation, 23-25 June, Marrakech, Morocco,2010 DOI: 10.1109/MED.2010.5547646, pp. 1103-1108, ISBN: 978-1-4244-8091-3, WOS:000324864700177; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=15&SID=R1W4XfUldYKFaLYVjBe&page=1&doc=1	4	0.250	8.13
23	Lupu C., **Udrea A**., Popescu D. - Robust Control Solutions for Some Classes of Hysteretic Processes- 17th IEEE Mediterranean Conference on Control and Automation, 24-26, June, 2009, Thessaloniki, Greece, ISBN 978-1-4244-4684-1, pp. 480-485, WOS:000280699600084; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=15&SID=R1W4XfUldYKFaLYVjBe&page=1&doc=2	3	0.250	10.83
24	C. Lupu, **Udrea A**., D. Popescu, Improvements of Adaptive Control Algorithms for a Class of Nonlinear Systems, The 20th International DAAAM Symposium, "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions", 25-28th October 2009, Vienna, Austria, Proceedings pp.769-770, ISSN 1726-9679, WOS:000282335600138; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T2onYgxAs9y5cqNelhb&page=1&doc=19&cacheurlFromRightClick=no	3	0.250	10.83
25	C. Lupu C., D. Popescu, C. Petrescu, A. Ticlea, B. Iremia, C. Dimon, **Udrea A**., Multiple-model design and switching solution for nonlinear processes control, ISC'08, The 6th Annual Industrial SimulationConference , 09-11 June, Lyon, France, pp. 71-76, 2008, ISBN 978-90-77381-4-03, WOS:000263829300010 ; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=R1W4XfUldYKFaLYVjBe&page=1&doc=18	7	0.250	4.64
26	C. Lupu, D. Popescu, **Udrea A.**, Applications of adaptive control based on nonlinear static characteristic,PROCEEDINGS OF THE 9TH WSEAS INTERNATIONAL CONFERENCE ON AUTOMATION AND INFORMATION, pp 350-355, 2008 , ISBN 978-960-6766-77-0, ISSN 1790-5117, WOS:000258497000058; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T2onYgxAs9y5cqNelhb&page=1&doc=19&cacheurlFromRightClick=no	3	0.250	10.83
27	C. Lupu, V. Tanasa, **Udrea A**., P. Craciunescu, Methods for Nonlinear Processes Control: Control Structures Based on Nonlinearity Compensators, Annals of DAAAM for 2008 and Proceedings of the 19th International DAAAM Symposium "Intelligent Manufacturing and Automation: Focus on Next Generation of Intelligent Systems and Solutions", 22-25th October 2008, Trnava, Slovakia, ISSN 1726-9679, WOS:000262860100384 ; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T2onYgxAs9y5cqNelhb&page=1&doc=18&cacheurlFromRightClick=no	4	0.250	8.13
28	Lupu C., **Udrea A**., D. Popescu, C. Flutur - On the Stability of Switching in Multiple Models Control Systems - WSEAS ICAI'09, The 10th International Conference on Automation and Information, 23-25 March, Prague, Czech Republic, ISBN 978-960-6766-77-0, pp. 362-367, WOS:000265594700061; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=15&SID=R1W4XfUldYKFaLYVjBe&page=1&doc=3	4	0.250	8.13
29	Lupu C., Popescu D., **Udrea A.**, Dimon C. - Design Procedure for Nonlinear Multivariable Processes Control, WSEAS ICAI'08, The 9th International Conference on Automation and Information, 24-26 June, Bucharest, Romania, pp. 362-367, ISBN 978-960-6766-77-0, ISSN 1790-5117, WOS:000258497000060; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=15&SID=R1W4XfUldYKFaLYVjBe&page=1&doc=4	4	0.250	8.13
30	Ciprian Lupu, Vasile Olaru, Dorel Bivolan, **Udrea A.**: Implementation of a telemedicine system for optimal on site medical response in case of disasters and for emergency situations management. The 4th IEEE International Conference on E-Health and Bioengineering - EHB 2013, Grigore T. Popa University of Medicine and Pharmacy, Iaşi, Romania; 11/2013 , ISBN 978-1-4799-2372-4, 2013 DOI: 10.1109/EHB.2013.6707256 WOS:000346672900024 ISBN:978-1-4799-2372-4	4	0.250	8.13
31	I. Tache, D. Stefanoiu, **Udrea A**., C. Lupu, Enhanced visualization of cerebral blood vessels for X-ray angiograms, The 4th IEEE International Conference on E-Health and Bioengineering - EHB 2013, Grigore T. Popa University of Medicine and Pharmacy, Iaşi, Romania; 11/2013 , 2013 DOI: 10.1109/EHB.2013.6707406 WOS:000346672900174 ISBN:978-1-4799-2372-4	4	0.250	8.13
	Total (A2.1)		**28.92**	**510.69**

A2.2	**Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale [20/nr.autori]**	**Numar autori**	**Punctaj**
1	Badicu B., **Udrea A.**, "Cross-subjects Emotions Classification from EEG Signals using a Hierarchical LSTM based Classifier," 2019 E-Health and Bioengineering Conference (EHB), Iasi, Romania, 2019, pp. 1-4, doi: 10.1109/EHB47216.2019.8969881. [BDI: Scopus] https://www.scopus.com/record/display.uri?eid=2-s2.0-85079342985&origin=resultslist&sort=plf-f&src=s&sid=f64a8558ba152c442913dbb3b6039312&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2857197806568%29&relpos=1&citeCnt=0&searchTerm=	2	10.00
2	de Carvalho TM, Noels E, Wakkee M, **Udrea A**, Nijsten T, Development of Smartphone Apps for Skin Cancer Risk Assessment: Progress and Promise, JMIR Dermatol 2019;2(1):e13376 DOI: 10.2196/13376 [BDI: Scopus] https://www.scopus.com/record/display.uri?eid=2-s2.0-85071395227&origin=resultslist&sort=plf-f&src=s&sid=f64a8558ba152c442913dbb3b6039312&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2857197806568%29&relpos=2&citeCnt=3&searchTerm=	5	4.00

3	**Udrea A**., C. Lupu, Real-time acquisition of quality verified nonstandardized colour images for skin lesions risk assessment – a preliminary study; 18th International Conference on System Theory, Controland Computing, Sinaia, 2014, pp 199-204, DOI: 10.1109/ICSTCC.2014.6982415 [BDI: Scopus] http://www.scopus.com/record/display.uri?eid=2-s2.0-84929429498&origin=resultslist&sort=plf-f&src=s&st1=udrea+a&nlo=&nlr=&nls=&sid=E711C86BDF997DFEAF4C7B3219BF1315.53bsOu7mi7A1NSY7fPJf1g%3a14160&sot=b&sdt=cl&cluster=scoauthid%2c%2224438524100%22%2ct&sl=20&s=AUTHOR-NAME%28udrea+a%29&relpos=5&citeCnt=2&searchTerm=	2	10.00
4	**Udrea A**., A. Ticlea, V. Tanasa, C. Flutur - Necessary conditions for solving the nonlinear MIMO output regulation problem, Preprints of the 20th Mediterranean Conference on Control & Automation (MED), Barcelona, Spain, July 3-6, 2012 [BDI: Scopus] http://www.scopus.com/record/display.uri?eid=2-s2.0-84866905195&origin=resultslist&sort=plf-f&src=s&st1=udrea+a&nlo=&nlr=&nls=&sid=E711C86BDF997DFEAF4C7B3219BF1315.53bsOu7mi7A1NSY7fPJf1g%3a14160&sot=b&sdt=cl&cluster=scoauthid%2c%2224438524100%22%2ct&sl=20&s=AUTHOR-NAME%28udrea+a%29&relpos=13&citeCnt=0&searchTerm=	4	5.00
5	C. Molnar, C. Lupu, **Udrea A.**, L. Bandici, Multiple Model Control for Some Hysteresis Processes, Journal of Electrical and Electronics Engineering, Vol. 4, nr. 1, 2011, pp. 129-134, ISSN: 1844-6035, [BDI: Scopus] http://www.scopus.com/record/display.uri?eid=2-s2.0-79959749008&origin=resultslist&sort=plf-f&src=s&st1=udrea+a&nlo=&nlr=&nls=&sid=E711C86BDF997DFEAF4C7B3219BF1315.53bsOu7mi7A1NSY7fPJf1g%3a14160&sot=b&sdt=cl&cluster=scoauthid%2c%2224438524100%22%2ct&sl=20&s=AUTHOR-NAME%28udrea+a%29&relpos=20&citeCnt=0&searchTerm=	4	5.00
6	C. Lupu, **Udrea A**., D. Popescu, C. Petrescu - Numerical Stability of Adaptive Control Algorithms- Buletinul Stiintific al UPB, seria C, vol. 72, no.3, pp. 3-14, 2010 ISSN 1454-234x, [BDI: Scopus] http://www.scopus.com/record/display.uri?eid=2-s2.0-77955670208&origin=resultslist&sort=plf-f&src=s&st1=udrea+a&nlo=&nlr=&nls=&sid=E711C86BDF997DFEAF4C7B3219BF1315.53bsOu7mi7A1NSY7fPJf1g%3a14160&sot=b&sdt=cl&cluster=scoauthid%2c%2224438524100%22%2ct&sl=20&s=AUTHOR-NAME%28udrea+a%29&relpos=27&citeCnt=0&searchTerm=	4	5.00
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	Total (A2.1)		**112.33**

A2.3.1	Proprietate intelectuala, brevete de inventie, certificate ORDA, internationale [35/nr.autori] [70 pentru WIPO, EPO, USPTO, JPO]	Nrumar autori	Punctaj
1			0
	Total (A2.3.1)		**0.00**

A2.3.2	Proprietate intelectuala, brevete de inventie, certificate ORDA, Nationale [25/nr.autori]	Numar autori	Punctaj
1			
	Total (A2.3.2)		**0.00**

A2.4.1.1	Granturi / proiecte internationale castigate prin competitie - Director de proiect [20 * ani in desfasurare]	Numar ani	Punctaj
1	Metodologie pentru corectia de culoare a imaginilor achizitionate cu telefoane mobile, contractor SkinVision BV, Valoarea 12000 euro, UPB- ACPC (Director) 21561 /31.10.2017	0.5	10
	Total (A2.4.1.1)		**10.00**

A2.4.1.2	Granturi / proiecte nationale castigate prin competitie - Director de proiect [10 * ani in desfasurare]	Numar ani	Punctaj
1	"Cercetari pentru Dezvoltarea unui Sistem Expert de Telemedicina pentru Asigurarea Raspunsului Medical Optim Local, in Managementul Dezastrelor si Situatiilor de Urgenta (utilizand cele mai noi tehnologii in domeniul biosenzorilor, comunicatiilor prin satelit, navigatie prin satelit, TI etc (TELEDIM)"; Contract de finantare pentru executie proiecte de CDI/strategice nr 43/19.11.2012 (durata 36 luni); Autoritate contractanta Agentia Spatiala Romana; Contractor IAROM SA; Partener UPB- ACPC (Responsabil)	3	30
	Total (A2.4.1.2)		**30.00**

A2.4.2.1	Granturi / proiecte internationale castigate prin competitie - Membru in echipa [4 * ani in desfasurare]	Numar ani	Punctaj
1	"Empowering Românian Research on Intelligent Information Technologies" în cadrul programului FP7-REGPOT, nr. 264207 . Responsabil UPB Adina Florea, 2010-2013	2	8
	Total (A2.4.2.1)		**8.00**

A2.4.2.2	Granturi / proiecte nationale castigate prin competitie - Membru in echipa [2 * ani in desfasurare]	Numar ani	Punctaj
1	Tehnici Inteligente Pentru Modelarea, Analiza Si Optimizarea Traficului Urban (TIMEOUT); 2007-2010; Numar contract: PNCDI II - Parteneriate Nr. 7.1.-108/ 14 septembrie 2007; director proiect Simona Caramihai;	3	6
2	Metode si strategii de implementare software si hardware a sistemelor de conducere in timp real pentru procesele neliniare: solutii multimodel, adaptive, robuste, cu model intern; Director proiect Ciprian Lupu; 2007-2010; Numar contract: PNCDI II - IDEI 1044 /2007	3	6
3	Echipamente de control cu algoritmi performanti integrati pentru conducerea proceselor industriale (ECAPI), Numar contract: PNCDI II - INOVARE 2007/1167/2007 Director: C. Lupu	3	6
4	Cercetari pentru dezvoltarea unui sistem pilot de telemedicina pentru monitorizarea, diagnosticarea, localizarea si salvarea persoanei via satelit (SISTELMED); 2008-2010; Numar contract: PNCDI II – P4 - PARTENERIATE 2008/82-095/2008, Director: C. Lupu	2	4
5	Noi solutii pentru problema reglarii neliniare a iesirii; TE232; Director proiect Alexandru Ticlea 2010-2013 PN2 Resurse umane 8/05.08.2010	3	6
6	Sistem de monitorizare ecologica bazat pe analiza timp-frecventa-scala a semnalelor-ECO-TSFS , (CNMP - 31050/2007), Conducator Dan Stefanoiu, UPB; 2007	3	6
7	Unitate mobila de achizitie, prelucrare, identificare si diagnoza de semnal UMAPID - , ID 117/2007, Director proiect: Dan Stefanoiu; 2007-2009	2	4
8	Sistem de monitorizare ecologica bazat pe analiza de semnal timp-frecventa-scara(TECOGAHI), director Dan Stefanoiu , ECO-TSFS-31050/2007.2008 –2011.	3	6
	Total (A2.4.2.2)		**44.00**

A3	Recunoasterea si impactul activitatii (A3)		387.02
A3.1.1	Citari in carti, reviste si volume ale unor manifestari stiintifice - carti, ISI [8/nr.autori citati]	Nr. aut. art. citat	Punctaj
Udrea A., M. Olteanu, Image analysis based on the study of the attractor of a time series, Buletinul Stiintific al UPB, seria A, nr.4, 2010 WOS:000286087500002 Citat de:			
1	Stan, C ; Olteanu, M; Tanase, M; Purnichescu-Purtan, RR, NONLINEAR ANALYSIS OF THE ATTRACTOR ASSOCIATED TO CT IMAGES OF TRAUMATIC BRAIN INJURIES, Buletinul Stiintific al UPB, seria A, vol. 74,no.3, 2012; pp 3-10; WOS:000307909700001;ISSN: 1223-7027	2	4.00

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1	Ng, Kok Mun ;Reaz, Mamun Bin Ibne; Ali, Mohd Alauddin Mohd,A Review on the Applications of Petri Nets in Modeling, Analysis, and Control of Urban Traffic; IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, vol 14,iss. 2, pp 858-870; 2013 WOS:000319828800034; DOI: 10.1109/TITS.2013.2246153; ISSN: 1524-9050	3	2.67
2	Del Ser, Javier; Osaba, Eneko; Sanchez-Medina, Javier; et al., "Bioinspired Computational Intelligence and Transportation Systems: A Long Road Ahead", IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 21 Issue: 2 Pages: 466-495 Published: FEB 2020 WOS:000515647600002	3	2.67
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1	Damanpour, Shadi; Srivastava, Divya; Nijhawan, Rajiv I., Self-acquired patient images: the promises and the pitfalls, SEMINARS IN CUTANEOUS MEDICINE AND SURGERY, vol 35, iss. 1, pp. 13-17, 2016 WOS:000371847000004 Q2	7	2.29
2	Hibler, Brian P.; Qi, Qiaochu; Rossi, Anthony M., Current state of imaging in dermatology, SEMINARS IN CUTANEOUS MEDICINE AND SURGERY, vol 35, iss. 1, pp. 2-8, 2016, WOS:000371847000002 Q2	7	2.29
3	Lihachev, Alexey; Derjabo, Alexander; Ferulova, Inesa; Lange, Marta; Lihacova, Ilze; Spigulis, Janis; Autofluorescence imaging of basal cell carcinoma by smartphone RGB camera; JOURNAL OF BIOMEDICAL OPTICS, vol 20, iss 12, 2015 WOS:000368440300002 Q1	7	2.29
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