

FISA DE INDEPLINIRE INDICATORI

Fise indicatori globali: Prof.dr.ing. Paul Nicolae BORZA

1. Structura activității candidatului									
Nr. Crt.	Domeniul activităților	Tipul activităților	Categoriile și restricții	Subcategoriile	Indicatori (kpi)	Criterii minime necesare (PROFESOR)	Nr. Realizat	Punctaj Realizat	
0	1	2	3	4	5	6	7	8	
1	Activitatea didactica si profesionala	1.1. Carti si capitole in carti de specialitate	A.1.1.1. Carti cu ISBN/Capitole ca autor didactice sau monografii	A.1.1.1.	Internationale	Nr. Pagini/(2xNr. Autori)	4 carti/capitole	3	17,96
			A.1.1.1.2. Carti cu ISBN/Capitole ca autor didactice sau monografii	A.1.1.2	naționale	nr. pagini/(5*nr. autori)		8	113,97
			Carti/ capitole de carti ca editor/coordonator	A.1.2.1.	internaționale	nr. pagini/(3*nr. autori)		1	32,44
				A.1.2.2.	naționale	nr. pagini/(7*nr. autori)			0
			A.1.2.1. Suport de curs inclusiv electronic	A.1.2.1.	Nationale	nr. pagini/(10*nr. autori)		1	10,80
			A.1.2.2. Indrumare de laborator/aplicatii;	A.1.2.2		nr. pagini/(20*nr. autori)		1	1,57

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Nr. Crt.	Domeniul activităților	Tipul activităților	Categoriile și restricții	Subcategoriile	Indicatori (kpi)	Criterii minime necesare (PROFESOR)	Nr. Realizat	Punctaj Realizat	
0	1	2	3	4	5	6	7	8	
		A1.3.Coordonare de programe de studii, organizare și coordonare programe de formare continua și proiecte educaționale(POS, ERASMUS, sa)		A1.3	10	0		0	
Total A1						80 puncte		176,74	
2	Activitatea de cercetare (A2)	Articole in extenso in reviste cotate si in volume proceedings indexate ISI Thomson-Reuters *),brevete de inventie		A2.1	(25+20*factor impact)/nr. de autori	8	25	153,62	
		Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale		A2.2	20 / nr. de autori	16	22	95,60	
		Granturi / Proiecte câștigate prin competiție	Director/ Responsabil	A2.3.1.1.	internationale	20 * ani de desfășurare	2	1	80
				A2.3.1.2.	naționale	10 * ani de desfășurare		3	90
			Membru în echipă	A2.3.2.1.	internationale	4 * ani de desfășurare		4	44
				A2.3.2.2.	naționale	2 * ani de desfășurare		12	40
		Contracte de cercetare/consultanță	Responsabil	A.2.4.1		5*ani de desfasurare		0	0
			Membru echipa	A.2.4.2		2*ani de desfasurare		0	0
		Total A2						300 puncte	

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Nr. Crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategorii	Indicatori (kpi)	Criterii minime necesare (PROFESOR)	Nr. Realizat	Punctaj Realizat		
0	1	2	3	4	5	6	7	8		
3	A3. Recunoașterea impactului activității	Citari in reviste ISI si BDI	ISI Reviews	A3.1.1.				8,5		
			BDI Reviews	A3.1.2				9,75		
		Prezentari invitate in plenui unor manifestari stiintifice nationale si internationale	20	Internationale	A3.2.1	Non Boolean Computing Perspective In The Light Of Last Development In Condensed Matter ICTAMI 2015	20			
						Review of the actual technologies for Autonomous and for Perpetuity Smart Sensors SIITME 2015	20	20		
			Nationale	A3.2.2	5		0			
		Experienta de management	Sef Departament	A3.4.2.		Sef Departament 2010-2012		6		
			Membru in senat			Membru Senat 2010-2012		6		
		Referent in comisii de doctorat			Internationale	A3.5.1.		10		
					Nationale	A3.5.2.		25		
		Total A3						60 puncte		87
		TOTAL						440 puncte		766,95

Carti publicate in edituri internationale:

Nr.crt.	Autori, Titlul cartii/Monografiiei / Editura Internationala /Anul aparitiei	nr. Pagini	punctaj
1	LIDE M. RODRIGUEZ-MARTINEZ, NOSHIN OMAR, EMERGING NANOTECHNOLOGIES IN RECHARGEABLE ENERGY STORAGE SYSTEMS, chapter :nine Application of the Energy Storage Systems, Elsevier,Radarweg 29, PO Box 211, 1000 AE Amsterdam, Netherlands;The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, United Kingdom; 50 Hampshire Street, 5th Floor, Cambridge, MA 02139, United States; Copyright © 2017 Elsevier Inc. All rights reserved. ISBN: 978-0-323-42977-1, pages: 291-319, 2017	27	13,500
2	P.Borza, S.Sanchez Mateo, NVH Analysis Techniques for Design and Optimization of Hybrid and Electric Vehicles 217 Editors: Nuria Campillo-Davo and Ahmed Rassili, Chapter 4: NVH Analysis Techniques for Design and Optimization of Hybrid and Electric Vehicles editors /authors pp 213-217; Itu C., Borza P. N., Scutaru L. M., Gragera-Pena C., Sanchez Mateo S. , Vlase S., Damage detection in the inertial dampers of the electrical vehicle using experimental modal identification, pp 301-310 ISBN 978-3-8440-4356-3, Shaker Verlag Publications (2016)	5+10	2,083
3	Borza P.N., Sanduleac M, Puscas A.M. Carp M., Engineering the Future; chapter 20: Energy and Information ISBN 978-953-307-210-4, 414 pages, Publisher: Sciyo, InTech 2010 http://www.intechopen.com/books/engineering-the-future	19	2,375
3	Total A1.1.1.		17,958

Editor carti publicate in edituri internationale:

Nr.crt.	Editori, Titlul cartii/Monografiiei / Editura Internationala /Anul aparitiei	nr. Pagini	punctaj
1	P.Borza, S.Sanchez Mateo, Editors of chapter IV, NVH Analysis Techniques for Design and Optimization of Hybrid and Electric Vehicles 217 Editors: Nuria Campillo-Davo and Ahmed Rassili, Chapter 4: NVH Analysis Techniques for Design and Optimization of Hybrid and Electric Vehicles editors /authors pp 213-217; Itu C., Borza P. N., Scutaru L. M., Gragera-Pena C., Sanchez Mateo S. , Vlase S., Damage detection in the inertial dampers of the electrical vehicle using experimental modal identification, pp 301-310 ISBN 978-3-8440-4356-3, Shaker Verlag Publications (2016)	84	14
1	P.N. Borza, L. Gomes, Ghe. Scutaru (Eds.), e-learning and Virtual and Remote Laboratories, August 2004. INSTICC Press 2004, ISBN 972-8865-14-7 Proceedings of the 1st International Workshop on e-learning and Virtual and Remote Laboratories, VIRTUAL-LAB 2004, In conjunction with ICINCO 2004, Setúbal, Portugal	166	18,44
2	Total A1.2.1.	166	32,44

Carti publicate in edituri nationale recunoscute:

Nr.crt.	Autori, Titlul cartii/Monografiei / Editura nationala /anul aparitiei	Punctaj
1	A.S Moraru, Sandu F., Borza P. - editors - "Advanced Technologies for e-Learning" - 420 pag. Ed. "Lux Libris", Brasov, 2008 - ISBN 978-973-131-045-9	28,00
2	M Romanca., Ogrușan P., Sandu F., Kertesz Cs., Nedelcu A., Borza P.N. , <i>Modele de clădiri inteligente</i> , capitolul 8, pag. 345 – 412, în <i>Clădiri Inteligente – Sisteme, tehnologii și soluții integrate IT&C</i> , Editor coord. Vlaicu A., Editura U.T.Press (cod CNCISIS – 161), Cluj Napoca, 2008, ISBN 978-973-662-397-4	2,17
3	P.N. Borza ., Gomes, L., Costa A., Blendea, C., <i>Home Appliance Systems (Domotics) and Peripheral Components</i> , pag. 161, ISBN 973–9428–99–1, inclusiv CD, ediție bilingvă română/engleză, LUX LIBRIS Brașov, 2004	8,05
4	Sandu, F., Piironen, A., Borza, P.N. , Gerigan, C., <i>Measurements & Automated Test Systems</i> ISBN 973–9428–96–9, inclusiv CD - ediție bilingvă română –engleza, pag. 162, LUX LIBRIS Brașov, 2004	8,10
5	S Moraru, Borza P.N. , Gomes L, Barros JP, Costa A, Preparatory Module Course Lux Libris 2003 ISBN 973-9458-23-8 inclusiv CD	5,32
6	Borza P.N. , Carmen Gerigan, P. Ogrutan, Ghe. Toacse, <i>Microcontrollere Aplicatii</i> , pag.200, Editura Technica, ISBN 973-31-1577-6, inclusiv CD cu aplicatii si documentatii	10,00
7	Borza, P.N. , Dascălu, M., Gavrilesco, C., <i>Calculatorul personal. Introducere și aplicații</i> , pag.193, ISBN 973-31-1406-5, Editura Tehnică București, 1999	12,87
8	Borza P.N. , I. Matlac, M.D. Nicu, <i>Aparate medicale</i> , pag. 256, Editura Tehnică București, 1995	17,07
9	P.N. Borza , L.M. Ivanovici, "Analiza și prelucrarea la distanță a semnalelor și imaginilor medicale", Editura UT Press, Cluj- Napoca, 978-973-662-889-4, 2013	22,40
9	Total A1.1.1.	113,97

Carti support didactic aparute in edituri:

Nr.crt.	Autori Suport didactic	Punctaj
1	Borza, P. , I. Matlac, M.D. Nicu " Aparatură biomedicală" (curs), Universitatea din Brașov, 1994	6,47
2	Poparad, H., Luculescu, M.C., Borza, P. , Bejinaru, Gh., <i>Proiectare asistată de calculator – Partea I, Curs universitar, Universitatea Transilvania Brașov, 1995.</i>	0,00
3	Bejinaru Ghe. , P. Borza , <i>Indrumar de tehnologie a mecanicii fine (lucrările 2 și 8)</i> , Universitatea din Brașov, 1987	0,00
4	Borza P. Luculescu M., <i>Programarea sistemelor de mecanică fină -partea I-a Microprocesoare pe 8 biți (indrumar de laborator) , Universitatea din Brașov, 1995;</i>	0,00
4	Total A1.2.1	6,47

Indrumare de laborator:

Nr.crt.	Autor Indrumare de Laborator	Punctaj
1	Borza P. Matlac I., " Indrumar de laborator la Aparatură biomedicală (lucrările 1 la 13)", Universitatea din Brașov, 1987	1,45
1	Total A1.2.2	1,45

Granturi internationale:

Nr.crt.	Granturi Internationale Titlul	Valoarea	Durata	Rolul Autorului	Punctaj
1	<i>FP7 EMVeM EMVeM Energy efficiency Management for Vehicles and Machines No 315967/2013</i>		4	Director	80
2	<i>FP6 16565, VEGA instrument: SSA, priority: IST&NMP, Title: Virtual Reality in Product Design and Robotics, (valoarea 900.000 EUR) membru, 2005-2008</i>		3	Membru	12
3	<i>Leonardo Da Vinci Programme, VET-TREND, RO / 06 / B / F / NT175014, 2006-2008, Network Services, Responsabil WP II, din 2006</i>		3	Membru - Director tehnic	12
4	<i>Leonardo da Vinci, proiect RO/02/B/F/PP 141053:VIRTUAL_ELECTRO_LAB, WBT World, Implementare platformă educațională, , Responsabil WP2, 2004-2006</i>		3	Membru - Director tehnic	12
5	<i>Leonardo da Vinci, proiect Nr. RO/99/2/07267/PL/II.1.2b/FPI, TECH-REDIVIVA , membru, (1999-2000)</i>		2	Membru	8
	<i>Total Punctaj proiecte Internationale membru in echipa</i>				44
5	TOTAL Punctaj proiecte Internationale				124

Granturi interne castigate prin competitive la nivel national:

Nr.crt	Granturi Interne Titlul	Valoare	Durata	Rolul Autorului	Punctaj
1	16ELI/2016, "Camera de interactie cu sistem de aliniere integrat fata de un fascicul Gamma" (PN III-ELI)		3	Director	30
2	Achiziție de semnale biomedicale și tele-transmisie prin echipamente mobile de calcu - <i>BIOMED TEL</i> , , 2007-2010, (valoare 1.820.000 RON) director de proiect		3	Director	30
3	Contract nr. D2-1-018/2007, PN2, Program 4 "Parteneriate în domenii prioritare", Sisteme electrice optimizate energetic pentru transportul terestru utilizând baterii si super-condensatori, <i>TRANS-SUPERCAP</i> ", 2007-2010, coordonator tehnic(1.990.000 RON)		3	Director	30
3	Total Punctaj Granturi Nationale ca DIRECTOR:				90
4	Contract nr. D1-1-019/14.09.2007, PN2, Program 4 "Parteneriate în domenii prioritare", <i>Sistem integrat de management a informațiilor medicale utilizând standardul HL7 - SIMIMED</i> , cercetator, 2007-2010		3	Membru	6
5	69CEEX-II 03/28.07.2006, TELPROT Sistem de comunicare cu persoane cu hansicap neuro-locomotor major, responsabil proiect –pentru Siemens PSE, 2006-2008		3	Membru	6
6	60 CEEX II 03/28.07.2006, Sistem de control si monitorizare la distanta a cladirilor inteligente – <i>COMODICI</i> , cercetator,, 2006-2008.		3	Membru	6
7	CEEX-II-03/15.08.2006, MERVII, Mediu Colaborativ de Realitate Virtuala pentru Planificarea Preoperatorie in Ortopedie, responsabil de proiect din partea Siemens PSE, 2006-2008,		3	Membru	6
8	Sisteme de achiziție procesare digitală și teletransmisie a semnalelor biomedicale contract 3993/1999, director de contract, valoare 4.900.000ROL, MEN Bucuresti		1	Director	2
9	Dezvoltarea laboratorului de prelucrare a informațiilor în cadrul catedrei MF, director de contract, valoare 5000\$, CNFIS Bucuresti numar contract 6615/1998		1	Director	2
10	Metodă de determinare a capacității de răcire în băile de tratament termic (5005-26-2003), director de proiect, valoare 8.000.000 ROL, MCT Bucuresti		1	Director	2
11	Prelucrarea informațiilor și comanda cu sisteme de calcul în aparatura de mecanică fină, cea de bord și spectrofotometrie (5005-19-1993), membru , valoare 2.184.000 ROL MCT Bucuresti		1	Membru	2
12	Cercetări privind activitatea de reabilitare a mușchilor prin stimulare electrică și tehnologia corespunzătoare (5005-21-1993), director, valoare 2.800.000 ROL MCT Bucuresti		1	Director	2

13	Construcția de aparate de laborator industriale (24-1991), director de proiect, valoare 1.6000.000 ROL, MI-Directia de mijloace de invatamant, (OCMI) Bucuresti	1	Membru	2
14	Execuția etalonarea și testarea senzorilor forță moment (23-1991), membru, MI-Directia de mijloace de invatamant, (OCMI) Bucuresti	1	Director	2
15	Cercetarea, realizarea și omologarea a două pompe peristaltice cu și fără sistemul microprocesorizat de control (84-1988), director de proiect, , MI-Directia de mijloace de invatamant (OCMI),, Bucuresti	1	Director	2
15	Total Punctaj Proiecte Interne			40

Proiecte europene COST la care am fost co-proposer sau initiator castigate prin competitie:

Nr.crt.	Alte proiecte europene	Valoare	Beneficiar	Durata	Rolul in proiect
1	COST actiunea 542	600kEuro	COST ESF	4	Vice chair
2	COST actiunea MP 1004	750kEuro	COST ESF	3	Vice chair
3	COST actiunea TU1105	600kEuro	COST ESF	3	WG leader
4	COST action TD1405	150kEuro	COST ESF	3	Member

Alte proiecte (selectie) cu beneficiari interni si externi:

Nr.crt	Contracte cu terti (selectie)	Valoare	Beneficiar	Durata	Rolul
1	Contract Hidroelectrica : Sistem de metering al serviciilor de sistem beneficiar Hidroelectrica Romania nr.490-11.2003 (aplicația S7-120R), responsabil de proiect , <i>mentionez ca este primul sistem de masurare pentru servicii auxiliare de sistem din Europa, colaborarea a cuprins Siemens PSE, Landis & Gyr Elvetia si ECRO Bucuresti</i>		ERA	3	expert
2	Contract Sistemului de măsurare a conținutului de amidon și substanță uscată în cartof , responsabil de proiect , beneficiar ROCLIP Fagaras, 2005		ROCLIP	1	director
3	FP6 518272, Flexible Electricity Networks of Integrate the eXpected energy evolution 518272 FENIX contractor, IBERDROLA, coordonator ramura sud a proiectului Siemens PSE Austria, expert - colaborator extern al PSE SAGOe, valoare 7.800.000 EUR.	7,8M Euro	ERA	4	expert
4	Proiectarea, realizarea, testarea unui sistem de dozare automată a materiilor prime utilizate la fabricarea pastei ceramice pentru izolatorii de joasă și medie tensiune la EL-CO SA Tg. Secuiesc. Precizia de dozare 0,05%. Ulterior s-a realizat cuplarea la calculatoarele de proces FESTO a instalației realizate împreună cu firma FESTO, director de proiect, valoare 1.900.000 ROL, beneficiar EL-CO Tg Secuiesc	1,9MROL	ELCO	1	director
5	Proiectarea și execuția sistemului de conducere a procesului de măcinare la mori ciment cu ajutorul calculatorului (23-1995), director, valoare 25.000.000 ROL, CIMUS Campulung Arges	25ROL	CIMUS	1	director
6	Proiectarea și execuția sistemului de dozare supervizată de calculator la morile de făină dotate cu sistemele DAB101 și realizarea comunicației seriale între sala de comandă mori făină și laboratorul CTC (30-1994), director, valoare 13.000.000 ROL CIMUS SA Campulung Arges	13ROL	CIMUS	1	director

7	Cercetarea, proiectarea și execuția sistemului de urmărire a încărcării morii de făină și integrarea acestuia în sistemul de supervizare a dozării materiilor prime pentru o linie de fabricație cu posibilitatea de extindere la trei linii în industria cimentului (106-1994), director, valoare 13.000.000 ROL CIMUS SA Campulung Arges	13ROL	CIMUS	1	director
8	Proiectarea și execuția instalației de determinare automată a amidonului și substanței uscat edin cartof comandată de PC (155-1993), director, valoare 5.537.000 ROL, CIMUS SA Campulung Arges	5,5ROL	CIMUS	2	director
9	Realizarea cuplării a două analizoare ELISA la calculator (24-1991), director, valoare 300.000 ROL DSP Brasov	300kROL	DSP Bv	1	membru
10	Cuplarea la calculator instalației de echilibrare a greutateii pe osii a locomotivelor (55-1991), director, valoare 380.000 ROL, Depoul SNCFR Brașov	380kROL	SNCFR	1	membru
11	Cercetarea, experimentarea și realizarea unei instalații de determinare automată a conținutului de amidon din cartof (147-1987), director, valoare 350.000, ICPC Brasov	350kROL	ICPC	2	director
12	Cercetarea, experimentarea și echiparea laboratorului mobil cu sistemul de achiziție și prelucrare automată a datelor de fitoclimat din cultura cartofului (153-1986), director, valoare 500.000 ROL, ICPC Brasov	0,5MROL	ICPC	2	director
13	Studiul și cercetarea vibrațiilor la turbosuflantele pe standul de probe (25-1984), director, valoare 200.000 ROL Hidromecanica Brasov	0,2MROL	Hidromecanica	1	membru
14	Cercetarea, realizarea și exepriimentarea traductorului de turație pentru standurile de probe ale turbosuflantelor cu cuplarea acestuia la calculator (25-1984), director, valoare 200.000 ROL Hidromecanica Brasov 400.000 ROL, Hidromecanica Brasov	0,2MROL	Hidromecanica	1	director
15	Măsurarea frecvențelor proprii și reproducerea câmpului de vibrații și a celul de tensiuni la paleta anterotorului TS-LDE4000CP (11-1983), director, valoare 300.000 ROL, Hidromecanica Brasov	0,3MROL	Hidromecanica	1	director

16	Modelarea comportamentului dinamic al anterotorului TS pentru locomotiva LDE4000CP, 1984, membru, valoare 250.000 ROL Hidromecanica Brasov	250kROL	Hidromecanica	1	membru
17	Cercetarea și realizarea sistemului automat de reglare a adâncimii de pătrundere a plugului Ferguson în sol cu evitarea alunecării, 1983, membru, valoare 150000 ROL ICPAT Brasov	150kROL	ICPAT	2	membru

Lista lucrarilor aparute in jurnale ISI si Proceedings IEEE si indexate WebofScience sau WebofKnowledge:

Nr.crt.	Autori - Articol - Publicatie - An aparitie	Punctaj
1	Delgado-Gomes, V; Martins, J. F.; Lima, C.; Borza P. N., Smart Grid Security Issues, Conference: 2015 9th International Conference on Compatibility and Power Electronics (CPE), ELECTRONICS (CPE) Pages: 534-538 Published: 2015 PROCEEDINGS 2015 9TH INTERNATIONAL CONFERENCE ON COMPATIBILITY AND POWER	6,25
2	Hamza-Lup, F. G.; Borza, P. Dragut D., Maghiar M., X3D Sensor-based Thermal Maps for Residential and Commercial Buildings, Conference: 20th International ACM Symposium on 3D Web Technologies (Web3D), ACM SIGGRAPH; Eurograph Assoc; Web3D Consortium; ACM, WEB3D 2015 Pages: 49-54 Published: 2015	6,25
3	Borza, P. N.; Romanca, M.; Delgado-Gomes, V, Embedding Patient Remote Monitoring and Assistive Facilities on Home Multimedia Systems, Conference: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) Location: ROMANIA Date: MAY 22-24, 2014, Pages: 873-879 Published: 2014	8,33
4	Delgado-Gomes, V.; Borza, P.N., A Biological Approach for Energy Management in Smart Grids and Hybrid Energy Storage Systems, IEEE Ind Elect Soc; IEEE Ind Applicat Soc; pp 1082-1086	12,50
5	Borza, P.N.; Coffas, P.A.; Coffas, D.T., PV Cells Test Bench System with Remote Access Trough Internet, Conference: 13th International Conference on Optimization of Electrical and Electronic Equipment Location: Brasov, ROMANIA May 2014	8,33
6	Musat, AM, Musat, R, Carp, M, Borza, P, Coquery, G , Characterization of the Organic and Inorganic Supercapacitors, PROCEEDINGS OF THE 13TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOLS 1-5, Proceedings of the International Conference on Optimization of Electrical and Electronic Equipment, Pages: 1545-1552, Published: IEEE2012	5
7	Musat, A. M.' Carp M. C.; Borza P.. N.; Musat R.; Dalik S., 'Hybrid storage systems and dynamic adapting topologies for vehicle applications, Pages: 1559-1566, PROCEEDINGS OF THE 13TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOLS 1-5	5
8	Coffas, D.T.Coffas, P. A., Borza, P.N Ursutiu, D., Samoila, C., WIRELESS SYSTEM FOR MONITORING THE SOLAR RADIATION, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 10 Issue: 8 Pages: 1133-1137 Published: AUG 2011 ImpactFactor 1.008	9,032
9	Puscas, A. M., Carp, M., Borza P., Szekely I., Embedded Intelligent Structures for Energy Management in Vehicles, 2nd IFIP WG 5.5/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial TECHNOLOGICAL INNOVATION FOR SUSTAINABILITY Book Series: IFIP Advances in Information and Communication Technology Volume: 349 Pages: 421-431 2011	6,25
10	Carp M. C., Puscas, A. M., Borza P. N., Energy Management System and Controlling Methods for a LDH1250HP Diesel Locomotive Based on Supercapacitors, 2nd IFIP WG 5.5/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial TECHNOLOGICAL INNOVATION FOR SUSTAINABILITY Book Series: IFIP Advances in Information and Communication Technology Volume: 349 Pages: 429-436	8,33
11	Puscas, A. M.; Carp, M. C.; Kertesz, C. Z., Borza PN, Coquery G., Thermal and Voltage Testing and Characterization of Supercapacitors and Batteries, OPTIM 2010: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, PTS I-IV Book Series: Proceedings of the International Conference on Optimization of Electrical and Electronic Equipment Pages: 125-132	5
12	Stanca A.C, Borza P.N., Romanca M., Paun R., Zamfira S., Model of Supercapacitor-Starter Assembly Used for Internal Combustion Engines Starting, Optimization of Electrical and Electronic Equipment (OPTIM), 2010 12th International Conference on Optimization of Electrical and Electronic Equipment, Pages: 943 – 948 Published: 2010	5
13	Carp M.C, Puscas A.M., Kertesz C., Romanca M. Borza P.N., Monitoring system and intelligent control system used in the starting process of a LDH1250HP locomotive, Optimization of Electrical and Electronic Equipment (OPTIM), 2010 12th International Conference on Optimization of Electrical and Electronic Equipment, Pages: 551-556 Published: 2010	5
14	Grama A., Petreus D., Borza P. N., Grama L., Experimental Determination of Equivalent Series Resistance of a Supercapacitor, Electronics Technology, 2009. ISSE 2009. 32nd International Spring Seminar on Published: pages 2009, ISBN: 978-1-4244-4260-7	6,25
15	Nedelcu, A. V., Sandu, F., Borza, P. N., Mobile data acquisition and tele-transmission by PDA, ANNALS OF DAAAM FOR 2008 & PROCEEDINGS OF THE 19TH INTERNATIONAL DAAAM SYMPOSIUM Book Series: Annals of DAAAM and Proceedings Pages: 957-958 Published: 2008	6,25
16	Sandu F., Nedelcu A.V., Moraru S.A., Borza P.N., Aggregation of automated instrumentation via internet using remote VISA calls, Annals of DAAAM & Proceedings, Pages: 1217-1218, 2008	6,25

17	Sandu, F.; Romanca, M.; Nedelcu, A., Borza P.N., Remote and mobile control in domotics PROCEEDINGS OF THE 11TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOL IV Pages: 225-+ Published: 2008	6,25
18	Sandu, F.; Romanca, M.; Nedelcu, A., Borza P.N.,Dimova R., Remote and mobile control in domotics PROCEEDINGS OF THE 11TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOL IV Pages: 1225-1259 Published: 2008	5
19	Scutaru G., Borza P. Comnac V., E-learning tool & remote experiment on simulation of the control systems used in electrical domain, Innovations in E-learning, Instruction Technology, Assessment, and Engineering Education pages: 111-116, DOI: 10.1007/978-1-4020-6262-9_20, 2007	8,33
20	Borza P., Combined energy and power sources, elements, structure, features and potential applications, PROCEEDINGS OF THE 10TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOL II: POWER ELECTRONICS, ELECTRICAL MACHINES & DRIVERS Pages: 249-254 Published: 2006	25
21	Sandu F., Szabo, W.; Borza P.N., Spice integration in a virtual and remote measurement workbench for electronics, OPTIM 2004: PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOL 4: APPLIED ELECTRONICS, ELECTRICAL ENGINEERING EDUCATION Pages: 109-114 Published: 2004	6,25
22	Pozna, C; Borza, P; Neagoie,M. Control Of The Balancing For Biped Robot, Conference Information: 8th International Symposium on Measurement and Control in Robotics (ISMCR 98), Date: JUN 08-12, 1998 CZECH TECH UNIV PRAGUE PRAGUE CZECH REPUBLIC Source: ISMCR '98: PROCEEDINGS OF THE EIGHTH INTERNATIONAL SYMPOSIUM ON MEASUREMENT AND CONTROL IN ROBOTICS Pages: 291- 296 Published: 1998 (ISI Web of Knowledge)	8,33
23	Nr. Brevet RO93122 Brevet OSIM 1987, A. Restian, Borza P., Daghie V., Nicolau N., Metodă și aparat de solicitare informațională a organismelor vii, Proprietar: Institutul National de Igienă și Sănătate Publică București Romania, 1987	8,33
24	Inregistrare OSIM A/0011119/04.02.2009- " Sistem de Management Energetic si Metoda de Gestiune a Functionarii acestuia pe Vehicule Echipate cu Motoare cu Ardere Internă ", Autori Borza P.N., Carp M.C., Traian S. C. Proprietar: Universitatea Transilvania din Brașov (In perioada legala de depozit)	0
25	Patent Number: EP1796199-A1,-European Patent 2007, Borza P N Electric power cell, Owner: SIEMENS OESTERR AG, Filed: 12.2005 (Free Patent - ISI Web of Knowledge)	0
25	Total punctaj Thomson ISI indexed publication and patents	153,62

Articole publicate indexate in alte baze de date internationale:

Nr.crt.	Autori - Articol - Publicatie - An aparitie	Punctaj
1	Romanca M., Borza P., Moraru S.A., A Training Need Analysis of Trainers in the Field of Technical Vocational Education Training, Heft Nr. 21 (2008), ISSN 1613-5652, ISBN 978-3-940793-17-1, pp 85 – 92, The 2nd International Workshop on e-learning and Virtual and Remote Laboratories 2008, February 14-15, 2008, Hasso-Plattner-Institute Potsdam, Germany, (Deutsche Nationalbibliothek/Katalogdatenbank ILTIS, http://dnb.b-nb.de)	6,67
2	Moraru S.A., Romanca M., Borza P, Distributed Software Architecture and Applications for Remote Laboratories, Heft Nr. 21 (2008), ISSN 1613-5652, ISBN 978-3-940793-17-1, pp 21-28, The 2nd International Workshop on e-learning and Virtual and Remote Laboratories 2008, February 14-15, 2008, Hasso-Plattner-Institute Potsdam, Germany, (Deutsche Nationalbibliothek/Katalogdatenbank ILTIS, http://dnb.b-nb.de)	6,67
3	A.M. Puscas, Coquery G., Borza P.N., Szekely I.,Carp M. State of the Art in Mobile Systems' Energy Management and Embedded Solutions for Improving the Energy Efficiency, pg. 383-390, Bulletin of the Transilvania University of Brasov , Vol. I (50), 2008, Brasov , 2008, Romania , ISSN: 2065-2119, (Categoria B conform CNCSIS -491)	4,00
4	M.C. Carp, D. Sojerf, P.N. Borza, Gh. Toacse, A.M. Puscas, Improving the Energy Management for LDH-1250HP Locomotive Using Embedded Systems, Bulletin of the Transilvania University of Brasov, Vol. I (50), pp. 311-316, 2008, Romania , ISSN: 2065-2119, (Categoria B conform CNCSIS -491)	4,00
5	A. M. Puscas, Borza P.N., Carp M, Pana Ghe. Energy Efficient ECG Signal Acquisition Channel for Ambulatory Patient's Monitoring, pag.212-217, Conference Proceedings ISSN 1843-5122, International Symposium for Design and Technology of Electronic Packages 14th Edition, Brasov, Romania 2008	5,00
6	M.C. Carp, Borza P. N., Puscas A.M., Smart Development Platform For Embedded Systems, pag 217-222, , Conference Proceedings ISSN 1843-5122, International Symposium for Design and Technology of Electronic Packages 14 th Edition, Brasov, Romania 2008	6,67
7	P. N. Borza, Pușcaș A.-M, Carp M. C., Stavăr A., Patient Remote Monitoring of Biophysical and Biochemical Signals, pag. 222-227, Conference Proceedings ISSN 1843-5122, International Symposium for Design and Technology of Electronic Packages 14 th Edition, Brasov, Romania 2008	5,00
8	Borza P.N, Carp C., PușcașA.M, Szekely I., Nicolae G., Energy Management System based on supercapacitors used for starting of internal combustion engines of LDH1250 locomotives and charging their batteries pag. 227-232, Conference Proceedings ISSN 1843-5122, International Symposium for Design and Technology of Electronic Packages 14 th Edition, Brasov, Romania 2008	4,00
9	A. Stavăr, Borza P.N. , Carp M.C., Pușcaș A.M., Pulse oximetry, a method of monitoring heart disease patients, pag. 232-237, Conference Proceedings ISSN 1843-5122, International Symposium for Design and Technology of Electronic Packages 14 th Edition, Brasov, Romania 2008	5,00
10	A.M. Pușcas, Borza, P. , Talabă, D. Tele-Monitoring System for Biophysical and Biochemical Parameters in Ambulatory Treatment, pag. 55-60, ISBN 978-973-713-248-2, IEEE International Conference on Automation, Quality and Testing, Robotics - 16 th edition AQTR 2008	6,67
11	Borza, P., Scutaru, Gh., Gomes, L., Lazar L., A. Costa, Implementation of a Remote and Virtual Laboratory in the field of Home Appliance Systems – some practical examples and systems used in the e-Learning process Proceedings of "VIRTUAL-LAB", ISBN 972-8865-14-7	5,00
12	D Sojref, P Borza, Comparison of high-voltage supercapacitor approaches and case study in diesel locomotive starting system 3rd European Symposium on Supercapacitors and Applications, ESSCAP, 6-7	5,00
13	F Sandu, DN Robu, PN Borza, W SzaboTwin-microcontroller GSM modem development system 8 th International Conference on Optimization of Electrical and Electronic ...	2,50
14	AM Pușcaș, R Mușat, MC Carp, P Borza, E Helerea Energetical Monitoring of the storage devices by using sensors networks placed inside the mobile systems AFASES 2009, 745-752	2,00
15	E Kayafas, F Sandu, I Patiniotakis, PN Borza Approaches to programming for tele-measurement Proc. of the XVII IMEKO World Congress 2001	2,50
16	V Rocha, P Borza, J Correia, G Gonçalves, A Puscas, R Seromenho, ... Wearable computing for patients with coronary diseases: Gathering efforts by comparing methods, Automation Quality and Testing Robotics (AQTR), 2010 IEEE International ...	1,00
17	AM Pușcaș, M Carp, P Borza, I Szekely Measurement considerations on some parameters of supercapacitors Acta Universitatis Sapientiae Electrical and Mechanical Engineering 1, 65-75	2,50

18	F SANDU, PN BORZA, Real and Emulated Experiments for e-Learning and m-Learning Implemented by Virtual Instrumentation, Workshop on using VR in education Proceedings, 71-82	5,00
19	PN Borza, F Sandu, G Szekely, S Dimitriu, REMOTE AND VIRTUAL LABORATORIES, AN IMPLEMENTATION USING SQL SEVER 2000, Power 12 (13), 14	2,50
20	PN Borza, DT Cofas, PA Cofas, M Milanovic, M Kadar, M Komatina, ..., Design Flow of the Intermittent Systems Connected to the Grid Enhanced with the Hybrid Storage Solutions	1,43
21	Borza P.N. Pau L.F., From Digital computers to quantum computers based on biological paradigms and progress in particle physics, eprint arXiv:1609.07642, 09/2016, 2016arXiv160907642B	10,00
22	LUCACHE, AI. SIMION, P. BORZA, L. LIVADARU, Regarding the NVH Behavior of the More Electric Vehicles. Study Case of a Small PM Motor F. LAZAR, D. , Analele Universității « Eftimie Murgu », Nr.2/2014 (B+), p.(401-412), ISSN 1453-7397	2,50
22	Total Punctaj BDI	95,60

Alte publicatii:

Citari in publicatii ISIS:

Nr. crt.	Citari ISI	Punctaj
	Fuzzy Power Management for Environmental Monitoring Systems in Tropical Regions PubliCitata:Wireless system for monitoring the solar radiation http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6889844&queryText%3DFuzzy+Power+Management+for+Environmental+Monitoring+Systems+in+Tropical+Regions	1,25
	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6889844&queryText%3DFuzzy+Power+Management+for+Environmental+Monitoring+Systems+in+Tropical+Regions	
	Simulation of adaptive duty cycling in solar powered environmental monitoring systems PubliCitata:Wireless system for monitoring the solar radiation link: http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6901008&queryText%3DSimulation+of+adaptive+duty+cycling+in+solar+powered+environmental+monitoring+systems	1,25
	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6901008&queryText%3DSimulation+of+adaptive+duty+cycling+in+solar+powered+environmental+monitoring+systems	
	Place-&Play Industrial Router addressing Potential Explosive Atmospheres PubliCitata:Thermal and voltage testing and characterization of supercapacitors and batteries	1,25
	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7049085	
	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7049085	
	Defining the Critical Factors in the Architectural Design of Remote Laboratories PubliCitata:PV cells test bench system with remote access trough Internet	1
	http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=7293130	
	http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=7293130	
	IEEE Transactions on Power Electronics titlu:Average Modeling and Performance Analysis of Voltage Sensorless Active Supercapacitor Balancer with Peak Current Protection PubliCitata:Model of supercapacitor starter assembly used for internal combustion engines starting	1,25
	http://ieeexplore.ieee.org/abstract/document/7442852/references	
	http://ieeexplore.ieee.org/abstract/document/7442852/references	

	A new energetically optimized power supply system for a mobile robot platform, using ultracapacitors and batteries to ensure both ultrafast charging and autonomy PublCitata:Informatics in Control, Automation and Robotics (ICINCO) 2015, 12th International Conference on (Volume 01)	1,25
	http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=7350461&tag=1	
	http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=7350461&tag=1	
	Tsinghua Science and Technology, 2016,Factor impact 1,063, ISSN: 1007-0214, 01/09, pp581-597, Volume 21, Number 6, December 2016	1,25
	Towards a service-oriented architecture for a mobile assistive system with real-time environmental sensing, D Triboan, L Chen, F Chen, Z Wang PublCitata:14th International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2014, ISBN-978-1-	
	http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7787002	
TOTAL		8,5

Citari in publicatii BDI:

Citar DDI	Punc taj
Revista The Design and Implementation of Test System Based on Programmable Excitation Power Supply for Mining Comprehensive Protector PubliCitata:Improvements on photovoltaic cells test bench system http://jestr.org/downloads/Volume6Issue3/fulltext12632013.pdf	0,75
Dynamics of supercapacitor bank with uncontrolled active balancer for engine starting, jurnal: Energy Conversion and Management, PubliCitata:Model of supercapacitor-starter assembly used for internal combustion engines starting link: http://scholar.google.com/scholar?cites=3807441537311608866&as_sdt=2005&scioldt=0,5&hl=en&num=20 http://scholar.google.com/scholar?cites=3807441537311608866&as_sdt=2005&scioldt=0,5&hl=en&num=20	0,75
Novel design and development of advanced remote electronics experiments PubliCitata:PV cells test bench system with remote access trough Internet link: http://onlinelibrary.wiley.com/doi/10.1002/cae.21602/abstract http://onlinelibrary.wiley.com/doi/10.1002/cae.21602/abstract	0,75
Optimization of energy saving for wireless sensor networks PubliCitata:Wireless system for monitoring the solar radiation link: http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no5/3_1046_Huang_13.pdf http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no5/3_1046_Huang_13.pdf	0,75
Hybridization of lithium energy storage for an urban electric vechicle PubliCitata:Thermal and voltage testing and characterization of supercapacitors and batteries link: http://www.degruyter.com/view/j/bpasts.2013.61.issue-2/bpasts-2013-0030/bpasts-2013-0030.xml http://www.degruyter.com/view/j/bpasts.2013.61.issue-2/bpasts-2013-0030/bpasts-2013-0030.xml	0,75
Condition Monitoring and Diagnosis of Steam Traps with Wireless Smart Sensors PubliCitata:Thermal and voltage testing and characterization of supercapacitors and batteries http://www.s2is.org/icst-2014/papers/1569977891.pdf http://www.s2is.org/icst-2014/papers/1569977891.pdf	0,75
Novel design and development of advanced remote electronics experiments PubliCitata:PV cells test bench system with remote access trough Internet http://onlinelibrary.wiley.com/doi/10.1002/cae.21602/full http://onlinelibrary.wiley.com/doi/10.1002/cae.21602/full	0,75
J.Herrera-Lozada et al - Artificial DNA Hybridization to Pulse-Width Modulation - in Journal of Theoretical & Applied Information Technology . 2/20/2015, Vol. 72 Issue 2, p289-293 PubliCitata:F.Sandu et al - Remote and mobile control in domotics http://www.jatit.org/volumes/Vol72No2/16Vol72No2.pdf http://www.jatit.org/volumes/Vol72No2/16Vol72No2.pdf	0,75
C.E.Cornel - The Role of Internet of Things for a Continuous Improvement in Education - in the Hyperion Economic Journal - Year III, no.2(3), June 2015, pp.24-31 PubliCitata:LabVIEW-based remote and mobile access to real and emulated experiments in electronics http://scholar.google.com/scholar?cites=13646470968186697749 http://scholar.google.com/scholar?cites=13646470968186697749	0,75
Proceedings of 2016 2nd International Conference on Intelligent Energy and Power Systems titlu:Active voltage sensorless supercapacitor bank balancer with peak current protection PubliCitata:Model of supercapacitorstarter assembly used for internal combustion engines starting	0,75

http://ieeexplore.ieee.org/xpl/login.jsp tp=&arnumber=7521855&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D7521855	
RCV:DSpace Repository titlu:C.M. Enache, CERCETĂRI PRIVIND ELABORAREA DE SOFTWARE SPECIALIZAT ÎN PROIECTAREA AMENAJĂRILOR PISCICOLE, Teza de doctor PublCitata:P. Borza, C. Gerigan, P. Ogruțan, Gh. Toacșe, "Microcontrollere. Aplicații", Editura Tehnică București, 2001, ISBN 973-31-1577-6	0,75
http://www.arthra.ugal.ro/xmlui/handle/123456789/4201	
RCV:Estudo Geral titlu:Integração M2M de sistemas embebidos em gestão de activos industriais PublCitata:Thermal and voltage testing and characterization of supercapacitors and batteries	0,75
http://hdl.handle.net/10316/26468 ; http://hdl.handle.net/10316/26468	
RCV:International Journal of Automation and Smart Technology - Vol 6, No 3 (2016) titlu:Towards the Evolution of Smart Home Environments: A Survey PublCitata:Remote and mobile control in domotics	
http://www.ausmt.org/index.php/AUSMT/article/view/1039	
http://www.ausmt.org/index.php/AUSMT/article/view/1039	0,75
	9,75