

Fișa de verificare a standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare stabilite prin OM 6560 / 2012

Candidat: Conf.dr.ing. Romulus Mircea Terebeș
Domeniul Electronică, telecomunicații și nanotehnologie

Data: 29.04.2015

Punctaj total: 883.442

Nr.	Domeniul activitatilor			Subcategoriile	Indicatori (kpi)	Numar	Punctaj	FI	
0	1	2	3	4	5	6	7	8	
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	25	0	0	
				A1.1.2.	nationale	20	4	80	
		Material didactic/lucrari didactice	Manuale didactice	A1.2.1		10	4	40	
Total punctaj (A1)							120		
2	Activitatea de cercetare (A2)	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings		A2.1		(25+20 * fact.imp) /nr.aurori	26	204.320	12.565
		Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)		A2.2		20/nr.aurori	28	170.722	
		Proprietate intelectuala, brevete de inventie, certificate ORDA		A2.3.1	Internationale	35/nr.aurori	0	0.000	0
				A2.3.2	nationale	25/nr.aurori	0	0.000	0
		Granturi/proiecte castigate prin competitie	Director / responsabil	A2.4.1.1	Internationale	20*ani desf.	3	65	
				A2.4.1.2	nationale	10*ani desf.	2	50	
			Membru in echipa	A2.4.2.1	Internationale	4*ani desf.	3	20	
A2.4.2.2	nationale	2*ani desf.		4	24				
Total punctaj (A2)							534.042	12.565	
3	Recunoasterea si impactul activitatii (A3)	Citari in carti, reviste si volume ale unor manifestari stiintifice		A3.1.1	carti, ISI	8/nr.aut art.citat	49	88.924	
				A3.1.2	BDI	4/nr.aut art.citat	39	40.476	
		Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale si Profesor invitat	Punctaj unic pentru fiecare activitate	A3.2.1	Internationale	10	1	10	
				A3.2.2	nationale	5	0	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	10	2	20	
				A3.3.2	BDI	6	2	12	
				A3.3.3	nationale si internationale	3	1	3	
Premii in domeniu		A3.4.1	Academia Romana, ASTR, academii de ramura, premii internationale	15	2	30			
		A3.4.2	premiu nationale in domeniu	5	5	25			
Total punctaj (A3)							229.400		

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Conditii minimale (Ai)				
Nr.	Domeniu de activitate (A)	Necesar	Realizat	Indeplinit
A1	Activitatea didactica / profesionala (A1)	100	120.000	DA
A2	Activitatea de cercetare (A2)	500	534.042	DA
A3	Recunoasterea impactului activitatii (A3)	100	229.400	DA
Total (A)		700	883.442	DA

Conditii minimale obligatorii pe subcategorii		Necesar	Realizat	Indeplinit
A1.1.1.-A1.1.2	Carti si capitole in carti de specialitate	4	4	DA
A1.2.1	Material didactic / Lucrari didactice	2	4	DA
A2.1.	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	12	26	DA
A2.4.1	Granturi/proiecte castigate prin competitie (Director/responsabil)	2	5	DA
A3.1.1-A3.1.2	Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI sau BDI	20	88	DA
	Factor de impact cumulat pentru publicatii	6	12.565	DA

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Activitatea didactica si profesionala (A1)						
A1.1.1. Carti, monografii, capitole ca autor - internationale					Punctaj	Numar
					0	0
Nr.	Autori	Titlu capitol/carte, ISBN	Editura	Anul		

A1.1.2. Carti, monografii, capitole ca autor - nationale					Punctaj	Numar
					80	4
Nr.	Autori	Titlu capitol / carte, ISBN	Editura	Anul		
1	Romulus Terebes. Coordonatori:Aurel Vlaicu, Bogdan ORZA, Serban Meza, Laura Grindei	Utilizarea TIC in Procesul Educational. Distribuirea si Accesarea Materialelor Online. Blended & e-Learning ISBN:978-973-662-694-4	U.T.Press Cluj-Napoca	2012		
2	Marian Alexandru Camelia Butnaru Mihai Romanca Daniela Manea Nicolae Aleman Romulus Terebeș	Dezvoltatea carierei în învățământul universitar tehnic IBSN 978-973-662-820-7	U.T.Press Cluj-Napoca	2012		
3	Romulus Terebeș	Mobile communications systems. Part 1: GSM Networks ISBN:978-973-662-694-4	U.T.Press Cluj-Napoca	2006		
4	Honoriu Vălean	„Implementarea sistemelor înglobate ierarhizate și distribuite" (capitol 4 Romulus Terebeș-autor, pag.43-52), cartea „Sisteme ierarhizate și distribuite” ISBN 978-973-662-787-3.	Editura Academiei Oamenilor de Știință din România	2011		

A1.2.1. Material didactic/lucrari didactice					Punctaj	Numar
					40	4
Nr.	Autori	Titlu capitol / carte, ISBN	Editura	Anul		
1	Sorin Pop, Monica Borda, Romulus Terebeș	Traitement du signal et d'image par ondelettes : travaux pratiques ISBN 978-953-7619-22-0	U.T.Press Cluj-Napoca	2008		
2	Borda Monica Elena, Sorina Zahan, Calin Vaduva, Romulus Terebeș	Teoria Transmiterii Informației, îndrumător de laborator, Litografia UTCN, 1996, 72 pag , program TEMPUS S-JEP 08012-94.	Universitatea Tehnică din Cluj-Napoca	1996		
3	Romulus Terebeș	Techniques avancées pour le traitement des images et de la vidéo	lucrări de laborator online în limba franceză : http://ares.utcluj.ro/ta_pisv_2014.html	2014		
4	Romulus Terebeș	Mobile communications	lucrări de laborator online în limba engleză : http://ares.utcluj.ro/cm_2014.html	2014		

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Activitatea de cercetare (A2)								
A2.1. Articole in reviste cotate si in volumele unor manifestari indexate ISI Proceedings						Punctaj	Numar	FI cumulat
						204.320	26	12.565
Nr.	Autori	Titlu lucrare / revista (conferinta)	Factor de impact	Nr. autori	Punctaj			
1	Bogdan Belean, Monica Borda, Bertrand Le Gal, Romulus Terebeș	FPGA based system for automatic cDNA microarray image processing , COMPUTERIZED MEDICAL IMAGING AND GRAPHICS,Volume: 36, Issue: 5, pp: 419-429, 2012, ISSN: 0895-6111. WOS:000305369800008	1.496	4	13.730			
2	Bogdan Belean, Romulus Terebeș, Adrian Bot	Low-complexity PDE-based approach for automatic microarray image processing , MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING, Volume: 53 Issue: 2, pp. 99-110, 2015, ISSN: 0140-0118.WOS:000348417200001	1.5	3	18.333			
3	Romulus Terebeș, Borda Monica, Christian Germain, Olivier Laviaille	A novel shock filter for image restoration and enhancement, 2012 PROCEEDINGS OF THE 20TH EUROPEAN SIGNAL PROCESSING CONFERENCE (EUSIPCO). Pages: 255- 259.Location: Bucharest, Romania, Date: AUG 27-31, 2012. WOS:000310623800052	0.25	4	7.500			
4	Mircea Gherman, Monica Borda, Romulus Terebeș	Time series analysis using wavelets and GJR-GARCH models, 2012 PROCEEDINGS OF THE 20TH EUROPEAN SIGNAL PROCESSING CONFERENCE (EUSIPCO), Page: 2138- 2142, Location: Bucharest, Romania. Date:AUG 27-31, 2012.WOS:000310623800430	0.25	3	10.000			
5	Monica Borda, Bogdan Belean, Romulus Terebeș, Raul Măluțan	FPGA based SoC for automated cDNA microarray image processing, IEEE 2011 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB), Iasi, Romania, Date:NOV 24-26, 2011. WOS:000304806300126	0.25	4	7.500			
6	Romulus Terebeș, Monica Borda, Sorin Pop, Olivier Laviaille, Christian Germain, Cosmin Ludușan	A novel diffusion filter for image restoration and enhancement", REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE Volume: 55 Issue: 3 Pages: 310-319 Published: JUL-SEP 2010 , ISBN:0035-4066.WOS:000283001600012	0.368	6	5.393			

7	Romulus Terebeș, Sorin Pop, Monica Borda, Cosmin Ludușan, Olivier Lavialle	3D Image Restoration using Diffusion and Fusion Techniques, 52nd International Symposium ELMAR, Zadar, Croatia, pp.37-40, Date: SEP 15-17, 2010.WOS:000321558000007	0.25	5	6.000
8	Sorin Pop, Romulus Terebeș, Jean Pierre DaCosta, Christian Germain, Monica Borda, Cosmin Ludusan, Olivier Lavialle	A novel 3D anisotropic diffusion filter, Conference on Three-Dimensional Image Processing (3DIP) and Applications Location: San Jose, CA. doi:10.1117/12.838742. Date: JAN 18-19 2010.WOS:000283781200002	0.25	7	4.286
9	Cosmin Ludușan, Romulus Terebeș, Monica Borda, Olivier Lavialle	Coherence enhancing image sharpening and denoising using a novel shock filter model, 9th IEEE International Symposium on Electronics and Telecommunications (ISETC). Pages: 333 – 336. Location: Timisoara, ROMANIA Date: NOV 11-12, 2010. WOS:000296356700070	0.25	4	7.500
10	Romulus Terebeș, Olivier Lavialle, Christian Germain, Monica Borda, Sorin Pop	Asymmetric anisotropic diffusion, 16th IEEE International Conference on Image Processing. Pages: 3889 – 3892. Location: Cairo, EGYPT. Date: NOV 07-10, 2009.WOS:000280464301418	0.25	5	6.000
11	Sorin Pop, Romulus Terebeș, Monica Borda, Olivier Lavialle	A new discrete PDE-based fusion model, International IEEE Conference Devoted to the 150-Anniversary of Alexander S Popov. Location: St Petersburg, RUSSIA. Pages: 2075- 2082. Date: MAY 18-23, 2009. WOS:000272589500339	0.25	4	7.500
12	Cosmin Ludușan, Romulus Terebeș, Monica Borda, Olivier Lavialle	Morphological Sharpening and Denoising Using a Novel Shock Filter Model,"Image and Signal Processing", Lecture Notes in Computer Science Volume 6134, Pages: 19-27, 2010. Location: Trois-Rivières, QC, Canada. Date: JUN 30-JUL 2, 2010.WOS:000279663600003	0.25	4	7.500

13	Sorin Pop, Olivier Laviaille, Marc Donias, Romulus Terebeş, Monica Borda, Sebastien Guillon, Noomane Keskes	A PDE-based approach to three-dimensional seismic data fusion,IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, Volume:46, Issue:5, pp. 1385-1393,2008, ISSN: 0196-2892.WOS:000255222800010	2.933	7	11.951
14	Romulus Terebeş, Monica Borda,Christian Germain, Sorin Pop, Olivier Laviaille	Asymmetric directional diffusion based image filtering and enhancement, IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2008). Pages: 413- 418. Location: Cluj Napoca, ROMANIA Date: MAY 22-25, 2008.WOS:000259080200075	0.25	5	6.000
15	Sorin Pop, Olivier Laviaille, Romulus Terebeş, Monica Borda	A new partial differential equation-based approach for 3D data denoising and edge preserving, REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET , ENERGETIQUE, Volume: 52 Issue: 4, pp. 407-418, 2007 ISBN:0035-4066.WOS:000255784100003	0.368	4	8.090
16	Sorin Pop, Romulus Terebeş, Monica Borda, Sebastien Guillon, Naamen Keskes, Olivier Laviaille, Pierre Baylou	3D seismic data fusion and filtering using a PDE-based approach ", IEEE International Conference on Image Processing (ICIP 2007). Pages: Page(s): IV-117 - IV-120 Location: San Antonio, TX. Date: SEP 16-19, 2007.WOS:000253487201213	0.25	7	4.286
17	Sorin Pop, Olivier Laviaille, Romulus Terebeş, Monica Borda	Low-level fusion: a PDE-based approach, 10th International Conference on Information Fusion Location: Quebec City, CANAD Date: JUL, 2007 2007 PROCEEDINGS OF THE 10TH INTERNATIONAL CONFERENCE ON INFORMATION FUSION, VOLS. WOS:000256950200141	0.25	4	7.500
18	Sorin Pop, Olivier Laviaille, Romulus Terebeş, Monica Borda	A PDE-based approach for image fusion, 9th International Conference on Advanced Concepts for Intelligent Vision Systems. Pages:121-131.Location: Delft, NETHERLANDS Date: AUG 28-31, 2007..WOS:000250340600011	0.25	4	7.500
19	Sorin Pop, Romulus Terebeş,Olivier Laviaille, Monica Borda	Pixel-level fusion: a PDE-based approach, IEEE International Symposium on Signals, Circuits and Systems. Pages: Location: Iasi, ROMANIA Date: JUL 12-13, 2007..WOS:000250471700140	0.25	4	7.500

20	Sorin Pop, Romulus Terebeș, Monica Borda, Olivier Laviaille, Iulian Voicu, Pierre Baylou	3-D directional diffusion, International Conference on Computer as a Tool (EUROCON 2005). Pages: 955 - 958. Location: Belgrade, SERBIA MONTENEGRO. Date: NOV 21-24, 2005. WOS:000237248900240	0.25	6	5.000
21	Romulus Terebeș, Olivier Laviaille, Monica Borda, Pierre Baylou	Flow Coherence Diffusion. Linear and Nonlinear Case, Lecture Notes in Computer Science Volume 3708, 2005, pp 316-323, ISSN: 0302-9743. WOS:000233133200040	0.4	4	8.250
22	Romulus Terebeș, Monica Borda, BZ Yuan, Olivier Laviaille, Pierre Baylou	A new PDE based approach for image restoration and enhancement using robust diffusion directions and directional derivatives based diffusivities, 7th International Conference on Signal Processing, Pages: 707- 712 vol.1. Location: Beijing, PEOPLES R CHINA Date: AUG 31-SEP 04, 2004. WOS:000227412103177	0.25	5	6.000
23	Romulus Terebeș, Olivier Laviaille, Pierre Baylou, Monica Borda	Mixed anisotropic diffusion, 16th International Conference on Pattern Recognition (ICPR). Pages: 760-763, vol.3 Location: QUEBEC CITY, CANADA. Date: AUG 11-15, 2002. WOS:000177887100185	0.25	4	7.500
24	Romulus Terebeș, Monica Borda, BZ Yuan, Olivier Laviaille, Pierre Baylou	Adaptive filtering using morphological operators and genetic algorithms", 6th International Conference on Signal Processing. Page(s): 853- 857, vol.1. Location: BEIJING, PEOPLES R CHINA Date: AUG 26-30, 2002. WOS:000181080500214	0.25	5	6.000
25	Monica Borda, Olga Tornea, Romulus Terebeș, Raul Emil Măluțan	OTP encryption system and method based on random sequences determined by DNA structures, Patent Number(s): RO129751-A2, cerere de brevet indexata Web of Science. Derwent Primary Accession Number: 2014-Q48050 [58]	0.5	4	8.750
26	Bogdan Belean, Monica Borda, Romulus Terebeș, Raul Emil Măluțan	Method and hardware architecture for automatic microarray image addressing, Patent Number(s): RO127341-A2, cerere de brevet indexata Web of Science/ Derwent Primary Accession Number: 2012-G18344 [68].	0.5	4	8.750

A2.2. Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)						Punctaj	Numar
						170.722	28
Nr.	Autori	Titlu lucrare / revista (conferinta)	Baza de date	Nr. autori	Punctaj		
1	Vami Hermann N'Guessan, Mahaman Bachir Saley, Sorin Pop, Romulus Terebes, Bogdan Belean, Eric Valere Djagoua, Fernand Kouamé, Monica Borda, Kouadio Affian	Markovian approach for analysis and prediction of monthly precipitation field in the department of Sinfra (Central-west of Côte d'Ivoire) ", International Journal of Engineering Research and General Science Volume: 2, Issue: 1, 2014, pp. 34-49, ISSN 2091-2730	InnoSpace - SJIF Scientific Journal Impact Factor; CITeseer, Google scholar	9	2.22		
2	Romulus Terebeș, Monica Borda, Sorin Pop, Cosmin Ludușan	Image restoration using directional diffusion and shock filters, 8th IASTED International Conference on Visualization, Imaging, and Image Processing, VIIP 2008. Location: Palma de Mallorca; Spain. Date: 1 SEP 2008 through 3 SEP, 2008.	Scopus	4	5.00		
3	Romulus Terebeș	A diffusion approach for oriented volume data denoising, Acta Technica Napocensis, Electronics and Telecommunications, Volume: 55, Number: 4, 2015, pp.7-12, ISSN:1221-6542.	Google scholar, PROQUEST	1	20.00		
4	David Marius Daniel, Cislariu Mihaela, Terebes Romulus	Combining feature extraction level and score level fusion in a multimodal biometric system, 2014 11th IEEE International Symposium on Electronics and Telecommunications (ISETC), pp.309-312, Publisher:IEEE, 2014.	Google scholar, IEEEXplore, Scopus	3	6.67		
5	Eduard Luchian, Romulus Terebeș, Marcel Cremene	Design and implementation of a mobile VoIP system on Android", 2014 11th International Symposium on Electronics and Telecommunications (ISETC), pp.157-160, Publisher: IEEE, 2014	IEEEXplore, Scopus	3	6.67		
6	Cosmin Ludușan, Olivier Lavialle, Romulus Terebeș, Monica Borda, Sorin Pop	Image enhancement using hybrid shock filters, 2010 IEEE International Conference on Automation Quality and Testing Robotics (AQTR). Volume: 3. Pages:1-6, DOI: AQTR.2010.5520666. Location: Cluj-Napoca, Romania. Date: 28-30 May 2010.	Google scholar, IEEEXplore, Scopus	5	4.00		

7	Romulus Terebes, Monica Borda, Sorin Pop, Cosmin Ludusan, Olivier Lavialle	Asymmetric Diffusion and Fusion Techniques for Image Restoration, Acta Technica Napocensis, Electronics and Telecommunications, Volume: 51, Number: 1, pp. 21-26, 2010, ISSN:1221-6542. Publisher	Google scholar, PROQUEST	5	4.00
8	Cosmin Ludușan, Olivier Lavialle, Sorin Pop, Romulus Terebeș, Monica Borda	Image enhancement using a new shock filter formalism, Acta Technica Napocensis, Electronics and Telecommunications, Volume: 50, Number: 3, pp. 27-30, 2009, ISSN:1221-6542	Google scholar	5	4.00
9	Christian Germain, Romulus Terebes, Olivier Lavialle	Diffusion anisotrope asymétrique et multi-orientée, XXIIe colloque GRETSI (traitement du signal et des images). Location: Dijon (FRA). Date: 8-11 SEP 2009.	Google scholar	3	6.67
10	Olivier Lavialle, Sorin Pop, Romulus Terebeș, Cosmin Ludușan, Monica Borda	Approches EDP pour la fusion d'images bruitées, XXIIe colloque GRETSI (traitement du signal et des images). Location: Dijon (FRA). Date: 8-11 SEP, 2009.	Google scholar	5	4.00
11	Romulus Terebeș, Otmane Lahlou	Camera phone based barcode decoding system, Acta Technica Napocensis, Electronics and Telecommunications, Volume:49, Number:3, pp. 57-62, 2008, ISSN:1221-6542.	Google scholar	2	10.00
12	Cosmin Ludușan, Olivier Lavialle, Sorin Pop, Romulus Terebeș, Monica Borda	An improved method for directional image smoothing based on structure tensors and vector field visualisation techniques, Scientific Bulletin of the Politehnica University of Timisoara - Transactions on Electronics and Communications, Volume:53, Issue:67, Pages:124-128, 2008, p-ISSN 1583-3380.	Google scholar	5	4.00
13	Cosmin V Ludușan, Olivier Lavialle, Romulus M Terebeș, Monica Borda	An approach to image fusion implementing feature level fusion on seismic attributes Buletinul Științific al Universității "Politehnica" din Timișoara, Seria ELECTRONICĂ ȘI TELECOMUNICAȚII, pp:9-15, Tom 52(66), Fascicola 1, 2007	Google scholar	4	5.00
14	Romulus Terebeș	Image restoration through fusion and diffusion, Buletinul Științific al Universității "Politehnica" din Timișoara, Seria ELECTRONICĂ ȘI TELECOMUNICAȚII, pp:3-9, Tom 52(66), Fascicola 1, 2007	Google scholar	1	20.00

15	Olivier Laviaille, Sorin Pop, Romulus Terebeș, Pierre Baylou, Monica Borda	Fusion-Diffusion d'images : approche par EDP, Colloque GRETSI, Groupe d'Etudes du Traitement du Signal et des Images. Location: Troyes, France. Date: SEP 11-14, 2007.	Google scholar, IREVUES	5	4.00
16	Barna Keresztes, Monica Borda, Romulus Terebeș, Pierre Vaysse, Christian Germain, Jean-Pierre Da Costa, Gilbert	Object Based Image Segmentation: Application to fruit detection in shipping bins, 6th Int. Conference Communications 2006, Academia Tehnica Militara, Universitatea Politehnica Bucuresti, pp 169-172, ISBN 973718-479-3, 2006.	Google scholar	8	2.50
17	Regis Dargent, Romulus Terebeș, Olivier Laviaille, Pierre Baylou	3D tangential diffusion, XII European Signal Processing Conference, ISSN (online) 2219-5491, Pages: 485-488. Location:Vienna, Austria. Date: SEP 6-10, 2004.	Google scholar, EURASIP	4	5.00
18	Olivier Laviaille, Romulus Terebeș, Christian Germain, Jean-Pierre Da Costa, Gilbert Grenier	Diffusion orientée pour le filtrage d'images: application à l'amélioration d'images aériennes de parcelles de vignes, 19e colloque GRETSI'03 sur le traitement du signal et des images. Location: Paris, France. Date: SEP 8-11, 2003.	Google scholar	5	4.00
19	Romulus Terebeș, Monica Borda, Olivier Laviaille, Pierre Baylou, Sorin Pop, Tihamer Adam	Linear Flow Coherence Diffusion, International Carpathian Control Conference. Pages: 65-71, Location:Miskolc-Lillafüred, Hungary. Date: OCT 2004.	Google scholar	6	3.33
20	Romulus Terebeș, Olivier Laviaille, Monica Borda, Pierre Baylou	Anisotropic diffusion of strongly oriented patterns, Proceedings of the IEEE International Workshop "Trends and Recent Achievements in Information Technology. Pages:102-108. Location: Cluj-Napoca, Romania. Date: MAY 16-18, 2002.	Google scholar	4	5.00
21	Romulus Terebeș, Olivier Laviaille, Pierre Baylou, Monica Borda	Orientation driven diffusion, Acta Technica Napocensis, Electronics and Telecommunications, Volume:43, Number:2, pp.20-24,2002.ISSN:1221-6542.	Google scholar	4	5.00

22	Romulus Terebeș, Olivier Laviaille, Pierre Baylou, Monica Borda	Directional anisotropic diffusion, Proceedings of the XI-th European Signal Processing Conference EUSIPCO2002:Volume:2, Pages:266-269. Location: Toulouse, France, Date: SEP 3-6, 2002.	Google scholar, EURASIP	4	5.00
23	Romulus Terebeș, Olivier Laviaille, Monica Borda, Ioan Naforniță	Gradient based curvature estimation, Image Analysis and Sterology, Volume:20, Issue:suppl. 1, Pages:287-292, 2001, ISSN:1580-3139.	Google scholar	4	5.00
24	Romulus Terebeș, Olivier Laviaille, Pierre Baylou, Monica Borda, Ioan Naforniță	Erosion adaptative pour les images en niveaux de gris, 18° Colloque sur le traitement du signal et des images, FRA, Publisher:GRETSI, Groupe d'Etudes du Traitement du Signal et des Images. Location: Toulouse, France. Date: SEP 10-13, 2001.	Google scholar	5	4.00
25	Arpad Zsolt Bodo, Romulus Terebes, Monica Borda	A Watershed Algorithm and it's Application in Image Segmentation, Acta Technica Napocensis- Electronics and Telecommunications, Volume:40, Number:2, pp.9-13, 2000	Google scholar	3	6.67
26	Romulus Terebeș, Olivier Laviaille, Pierre Baylou, Monica Borda, Ioan Naforniță	Adaptive directional morphological operators, Xth European Signal Processing Conference. Location: Tampere, Finland. Date:SEP 4-8, 2000.	Google scholar, EURASIP	5	4.00
27	R. Terebeș, O. Laviaille, P. Baylou, M. Borda	Flow coherence diffusion, Proceedings of the 2003 International TICSP Workshop on Spectral Methods and Multirate Signal Processing SMMSIP 2003, ISBN 952-15-1062-5. Location: Barcelona, Spania, pp. 197-202. Date:2003.	Google scholar, DBLP	4	5.00
28	Monica Borda, Romulus Terebeș	DSP TMS 320C25 based decoding algorithms for Reed-Solomon codes", Buletinul științific al Universității " Politehnica" din Timișoara, România:Seria electronică și telecomunicații, Volume:41, Issue:1, pp.77 -80, 1996. p-ISSN 1583-3380.	Google scholar	2	10.00

A2.3.1. Proprietate intelectuala, brevete de inventie, certificate ORDA - internationale					Punctaj	Numar	FI cumulat
					0.000	0	0
Nr.	Autori	Denumie brevet /Organism	Anul	Nr.aurori	Punctaj		

A2.3.2. Proprietate intelectuala, brevete de inventie, certificate ORDA - nationale					Punctaj	Numar	FI cumulat
					0.000	0	0
Nr.	Autori	Denumie brevet /Organism	Anul	Nr.aurori	Punctaj		

A2.4.1.1. Granturi/proiecte castigate prin competitie: director/responsabil de proiect - internationale					Punctaj	Numar
					65	3
Nr.	Denumire proiect	Perioada	Nr. ani	Punctaj		
1	"Modelarea și filtrarea texturilor multivariate. Aplicații în imagistica SAR pentru teledetecția forestieră/Modélisation et débruitage de textures multivariées. Application à l'Imagerie SAR en télédétection forestière- ModText", PN-II-CT-ROFR-2014-20030 PN2 -Capacități - Modulul III - Proiecte de sprijinire a participării României la proiecte internaționale de cercetare, Partener Franța:Université de Bordeaux (UB) -Laboratoire de l'Ingénierie du Matériau au Système (IMS). Nr.inreg. UEFISCDI CF379/27.06.2014	2015-2016	2	40		
2	Bursa cercetare doctorala AUF- Universitatea Bordeaux 1, Franța - competiție internațională (echivalent CNCSIS BD)	2000	0.25	5		
3	Contract de cercetare cu mediul social și de afaceri, nr. 7242/27.04.2006, Zesium mobile Munchen, Germania – Universitatea Tehnică din Cluj-Napoca: "Push Server Software" , partener Germania: ZESIUM GMBH	2006-2007	1	20		

A2.4.1.2. Granturi/proiecte castigate prin competitie: director/responsabil de proiect - nationale					Punctaj	Numar
					50	2
Nr.	Denumire proiect	Perioada	Nr. ani	Punctaj		
1	Clasificarea automatizată a materiei prime Proiect de cercetare inovare UTCN- Tenaris-Silcotub	2015	1	10		

2	Tehnici de difuzie si de fuziune pentru restaurarea si imbunatatirea imaginilor Grant PNII -IDEI - cod UEFISCSU 908 4 ani bugetari	2007-2010	4	40
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A2.4.2.1. Granturi/proiecte castigate prin competitie: membru in echipa - internationale				Punctaj	Numar
				20	3
Nr.	Denumire proiect	Perioada	Nr. ani	Punctaj	
1	Proiect Ambasada Frantei in Romania -"Soutien à la mobilité pour les formations conjointes franco-roumaines" , Programme de renforcement des Pôles de compétences universitaires francophones en Roumanie Responsabil: Prof.dr.ing. Monica Borda	2011-2012	2	8	
2	Proiect AUF- "Soutien aux formations francophones de niveau master" Responsabil: Prof.dr.ing. Monica Borda	2014-2015	2	8	
3	Collaborative research agreement between the University of Plymouth UK and the Technical University of Cluj-Napoca in Video Watemarking, nr. 33, 11.11.1999	1999	1	4	

A2.4.2.2. Granturi/proiecte castigate prin competitie: membru in echipa - nationale				Punctaj	Numar
				24	4
Nr.	Denumire proiect	Perioada	Nr. ani	Punctaj	
1	Sistem de marcare transparentă a imaginilor numerice în scopul autentificării proprietăților intelectuale asupra acestora ANSTI 6113/2000 - Faza I -Marcarea imaginilor statice în scopul autentificării proprietăților intelectuale asupra acestora; ANSTI 34970/2001 - Faza II -Marcarea imaginilor dinamice în scopul autentificării proprietăților intelectuale asupra acestora; ANSTI/CNCIS 33531/2002 - Faza III -Marcarea imaginilor dinamice în domeniul transformatelor pentru autentificarea proprietăților intelectuale asupra acestora Director proiect:prof.dr.ing. Monica Borda	2000-2002	3	6	
2	Noi abordări în diagnosticarea asistată de calculator a cardiopatiei ischemice ANSTI - program Relansin, partener Insitutul Inimii Cluj-Napoca Director proiect: prof.dr.ing. Sorina Zahan	2000-2002	2	4	

3	<p>Metode moderne in analiza si prelucrarea imaginilor Grant CNCSIS (cod 1038), tip A Contract 33395/2004 - Faza I Algoritmi moderni în prelucrarea imaginilor; Contract nr. 34702/2005 - Faza II - Strategii și implementări software/hardware pentru prelucrarea imaginilor; 1038/2006 Faza III - Studii de caz și analize de performanțe în prelucrări de imagini Director grant: prof.dr.ing. Monica Borda</p>	2004-2006	3	6
4	<p>Sistem de achizitie si prelucrare de imagini genomice livrate de microarray-uri CDNA, Grant PNII -IDEI - cod UEFISCSU 909 Director proiect: prof.dr.ing. Monica Borda 4 ani bugetari</p>	2007-2010	4	8

Candidat: Conf.dr.ing. Romulus Mircea Terebeș

Data: 29.04.2015

Domeniul Electronica, telecomunicatii si nanotehnologie

Recunoasterea si impactul activitatii (A3)					
A3.1.1. Citari in carti, reviste si volume ale unor manifestari stiintifice (carti, ISI)				Punctaj	Numar
				88.924	49
Nr.	Articol citat	Articol care citeaza	Num autori art.citat	Punctaj	
1	Bogdan Belean, Monica Borda, Bertrand Le Gal, Romulus Terebeș -FPGA based system for automatic cDNA microarray image processing , COMPUTERIZED MEDICAL IMAGING AND GRAPHICS,Volume: 36, Issue: 5, pp: 419-429, 2012, ISSN: 0895-6111. WOS:000305369800008	Chang, Bae-Muu; Tsai, Hung-Hsu; Shih, Ji-Shiang: "Using fuzzy logic and particle swarm optimization to design a decision-based filter for cDNA microarray image restoration", BIOMICROFLUIDICS Volume: 7 Issue: 3 Article Number: 034110 Published: MAY 2013 ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE Volume: 36 Pages: 12-26 Published: NOV 2014, Accession Number: WOS:000344430700002	4	2.000	
2		Zhang, Yi; Qiao, Lingbo; Ren, Yunke; et al.: "Two dimensional barcode-inspired automatic analysis for arrayed microfluidic immunoassays ", BIOMICROFLUIDICS Volume: 7 Issue: 3 Article Number: 034110 Published: MAY 2013. Accession Number: WOS:000321145800011	4	2.000	
3	Romulus Terebeș, Monica Borda, Sorin Pop, Olivier Lavalie, Christian Germain, Cosmin Ludușan- A novel diffusion filter for image restoration and enhancement", REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE Volume: 55 Issue: 3 Pages: 310-319 Published: JUL-SEP 2010 , ISBN:0035-4066.WOS:000283001600012	Jin, Jie; Wang, Chunhua, "Current-mode four-phase quadrature oscillator using current differencing transconductance amplifier based first-order allpass filter", REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE Volume: 57 Issue: 3 Pages: 291-300 Published: JUL-SEP 2012 ,Accession Number: WOS:000308572200007	6	1.333	

4	Sorin Pop, Romulus Terebeș, Monica Borda, Olivier Lavalie- A new discrete PDE-based fusion model, International IEEE Conference Devoted to the 150-Anniversary of Alexander S Popov. Location: St Petersburg, RUSSIA. Pages: 2075-2082. Date: MAY 18-23, 2009. WOS:000272589500339	Liu, Kai; Luo, Limin; Kou, Zheng: "Image fusion method based on the advection equation", JOURNAL OF ELECTRONIC IMAGING Volume: 23 Issue: 1 Article Number: 013019 Published: JAN-FEB 2014, Accession Number: WOS:000332855000028	4	2.000
5		Kou, Zheng; Liu, Kai, "An Improved Image Fusion Approach", International Conference on Graphic and Image Processing (ICGIP) Location: Cairo, EGYPT Date: OCT 01-02, 2011. Accession Number: WOS:000295933400273	4	2.000
6	Sorin Pop, Olivier Lavalie, Marc Donias, Romulus Terebeș, Monica Borda, Sebastien Guillon, Noomane Keskes A PDE-based approach to three-dimensional seismic data fusion,IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, Volume:46, Issue:5, pp. 1385-1393,2008, ISSN: 0196-2892.WOS:000255222800010	Liu, Kai; Luo, Limin; Kou, Zheng: "Image fusion method based on the advection equation", JOURNAL OF ELECTRONIC IMAGING Volume: 23 Issue: 1 Article Number: 013019 Published: JAN-FEB 2014, Accession Number: WOS:000332855000028	7	1.143
7		Kou, Zheng; Liu, Kai, "An Improved Image Fusion Approach", International Conference on Graphic and Image Processing (ICGIP) Location: Cairo, EGYPT Date: OCT 01-02, 2011. Accession Number: WOS:000295933400273	7	1.143
8		Joshi, Manjunath; Jalobeanu, Andre:"MAP Estimation for Multiresolution Fusion in Remotely Sensed Images Using an IGMRF Prior Model", IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING Volume: 48 Issue: 3 Pages: 1245-1255 Part: 1 Published: MAR 2010.Accession Number: WOS:000274794600023	7	1.143

9		Duchkov, Anton A.; Andersson, Fredrik; de Hoop, Maarten V.: "Discrete Almost-Symmetric Wave Packets and Multiscale Geometrical Representation of (Seismic) Waves", IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING Volume: 48 Issue: 9 Pages: 3408-3423 Published: SEP 2010.WOS:000283142800008	7	1.143
10		Gamba, Paolo; Chanussot, Jocelyn: "Foreword to the special issue on data fusion", IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING Volume: 46 Issue: 5 Pages: 1283-1288 Published: MAY 2008.WOS:000255222800001	7	1.143
11	Romulus Terebeş, Monica Borda, Christian Germain, Sorin Pop, Olivier Lavialle-Asymmetric directional diffusion based image filtering and enhancement, IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2008). Pages: 413- 418. Location: Cluj Napoca, ROMANIA Date: MAY 22-25, 2008.WOS:000259080200075	Sedighi, Behnam; Hu, Xiaobo Sharon; Nahas, Joseph J.; et al.: "Nontraditional Computation Using Beyond-CMOS Tunneling Devices", IEEE JOURNAL ON EMERGING AND SELECTED TOPICS IN CIRCUITS AND SYSTEMS Volume: 4 Issue: 4 Special Issue: SI Pages: 438-449 Published: DEC 2014 .WOS:000346574000007	5	1.600
12	Sorin Pop, Olivier Lavialle, Romulus Terebeş, Monica Borda-A PDE-based approach for image fusion, 9th International Conference on Advanced Concepts for Intelligent Vision Systems. Pages:121-131.Location: Delft, NETHERLANDS Date: AUG 28-31, 2007..WOS:000250340600011	Kou, Zheng; Liu, Kai, "An Improved Image Fusion Approach", International Conference on Graphic and Image Processing (ICGIP) Location: Cairo, EGYPT Date: OCT 01-02, 2011. Accession Number: WOS:000295933400273	4	2.000
13		Madina Boshtayeva, David Hafner , Joachim Weickert : "A focus fusion framework with anisotropic depth map smoothing", in press, Pattern Recognition 2014, doi:10.1016/j.patcog.2014.10.008	4	2.000
14		Liu, Kai; Luo, Limin; Kou, Zheng: "Image fusion method based on the advection equation", JOURNAL OF ELECTRONIC IMAGING Volume: 23 Issue: 1 Article Number: 013019 Published: JAN-FEB 2014, Accession Number: WOS:000332855000028	4	2.000

15	Romulus Terebeş, Olivier Lavialle, Pierre Baylou, Monica Borda- Mixed anisotropic diffusion, 16th International Conference on Pattern Recognition (ICPR). Pages: 760-763,vol.3 Location: QUEBEC CITY, CANADA. Date: AUG 11-15, 2002.WOS:000177887100185	Michael Felsberg:"Autocorrelation-Driven Diffusion Filtering", IEEE TRANSACTIONS ON IMAGE PROCESSING, Volume: 20 , Issue: 7 , Pages: 1797-1806 , DOI: 09/TIP.2011.2107330 Published: JUL 2011 WOS:000291823600003	4	2.000
16		Michael Felsberg:"On the Relation between Anisotropic Diffusion and Iterated Adaptive Filtering", Annual Symposium of the Deutsche-Arbeitsgemeinschaft-fur-Mustererkennung (DAGM) Location: Munich, GERMANY Date: JUN 10-13, 2008, PATTERN RECOGNITION Book Series: LECTURE NOTES IN COMPUTER SCIENCE Volume: 5096 Pages: 436-445 Published: 2008 WOS:000256932900044	4	2.000
17		Franck Michelet, Christian Germain, Pierre Baylou, Jean-Pierre Da Costa:"Local multiple orientation estimation: Isotropic and recursive oriented network", PROCEEDINGS OF THE 17TH INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION, VOL 1 Book Series: INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION Pages: 712-715 DOI: 10.1109/ICPR.2004.1334281 Published: 2004 WOS:000223874500175	4	2.000
18		A. Histace, C. Cavaro-Menard,V.Courboulay, V; et al.:"Analysis of tagged cardiac MRI sequences", FUNCTIONAL IMAGING AND MODELING OF HEART, PROCEEDINGS Book Series: LECTURE NOTES IN COMPUTER SCIENCE Volume: 3504 Pages: 404-413 Published: 2005 WOS:000230370000040	4	2.000
19		A. Histace, M. Menard, C. Cavaro-Menard:"Selective diffusion for oriented pattern extraction: Application to tagged cardiac MRI enhancement",PATTERN RECOGNITION LETTERS Volume: 30 Issue: 15 Pages: 1356-1365 Published: NOV 1 2009 .WOS:000271363500002	4	2.000

20		R. Dargent, O. Laviaille, S. Guillon, P. Baylou:"Sector-based diffusion filtering", PROCEEDINGS OF THE 17TH INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION, VOL 3 Book Series: INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION Pages: 679-682 DOI: 10.1109/ICPR.2004.1334620 Published: 2004 WOS:000223879500167	4	2.000
21		A. Histace, Michel Menard:"Gradient intensity selectivity for scalar image restoration using PDE",S. Yokota and D. Chugo. Introduction to modern robotics II, iConcept Press, Chap. 9, 2011, 978-1463789442	4	2.000
22		Aymeric Histace, Michel Ménard, Christine Cavaro-Ménard: "New Developments in Robotics Automation and Control Edited by Aleksandar Lazinica", ISBN 978-953-7619-20-6 Hard cover, 450 pages Publisher InTech Published online 01, October, 2008 Published in print edition October, 2008, capitolul 11: "PDE based approach for segmentation of oriented patterns "	4	2.000
23	Romulus Terebeş, Olivier Laviaille, Monica Borda, Pierre Baylou-Flow Coherence Diffusion. Linear and Nonlinear Case, Lecture Notes in Computer Science Volume 3708, 2005, pp 316-323,ISSN: 0302-9743.WOS:000233133200040	Pop, S., Dufour, A.C., Le Garrec, J.-F., (...), Meilhac, S.M., Olivo-Marin, J.-C.:"Extracting 3D cell parameters from dense tissue environments: Application to the development of the mouse heart", 2013, Bioinformatics, Volume 29, Issue 6, March 2013, Pages 772-779.WOS:000316270400014	4	2.000
24		Obara, B., Fricker, M., Grau, V. : "Coherence enhancing diffusion filtering based on the Phase Congruency Tensor", International Symposium on Biomedical Imaging, 2012, Article number 6235519, Pages 202-205.WOS:000312384100051	4	2.000
25		Pop, S., Dufour, A., Olivo-Marin, J.-C. : "Image filtering using anisotropic structure tensor for cell membrane enhancement in 3D microscopy", 2011 18th IEEE International Conference on Image Processing, ICIP 2011; Brussels; Belgium; 11 September 2011 through 14 September 2011; Category number, CFP11CIP-ART; Code 88213.WOS:000298962502043	4	2.000

26		Wang, W., Gao, J., Li, K., Ma, K., Zhang, X. : "Structure-oriented Gaussian filter for seismic detail preserving smoothing", 2009 IEEE International Conference on Image Processing, ICIP 2009; Cairo; Egypt; 7 November 2009 through 10 November 2009; Category number, CFP09CIP-ART; Code 79910. WOS:000280464300151	4	2.000
27		O.Lavialle , S. Pop, C. Germain, M. Donias, S. Guillon, N. Keskes,Y. Berthoumieu : "Seismic fault preserving diffusion",Journal of Applied Geophysics ,Volume 61, Issue 2, February 2007, Pages 132-141.WOS:000246503600005	4	2.000
28		Y.Hunjae , K.Bongjoe,S. Kwanghoon : "Coherence Enhancing Diffusion Filtering based on Connected Component Analysis Structure Tensor", Conference: 6th IEEE Conference on Industrial Electronics and Applications (ICIEA) Location: Beijing, PEOPLES R CHINA ,Date: JUN 21-23, 2011 APPLICATIONS (ICIEA) Pages: 271-274 Published: 2011 WOS:000296062500054	4	2.000
29	Romulus Terebeş, Monica Borda, BZ Yuan,Olivier Lavialle, Pierre Baylou-A new PDE based approach for image restoration and enhancement using robust diffusion directions and directional derivatives based diffusivities, 7th International Conference on Signal Processing, Pages: 707- 712 vol.1. Location: Beijing, PEOPLES R CHINA Date: AUG 31-SEP 04, 2004.WOS:000227412103177	C. Ludaşan, O. Lavialle:"Multifocus image fusion and denoising: A variational approach", PATTERN RECOGNITION LETTERS , Volume: 33 , Issue: 10 , Pages: 1388-1396 , DOI: 10.1016/j.patrec.2012.02.017, Published: JUL 15 2012 WOS:000305771400016	5	1.600
30		Xizhen Han, Zhao Jian: "A Nonlinear Image Enhancement Algorithm Based on Partial Differential Equations", 2010 IEEE 10TH INTERNATIONAL CONFERENCE ON SIGNAL PROCECESSING PROCEEDINGS (ICSP2010), VOLS I-III , Pages: 1114-1116, Published: 2010.WOS:000296986200276	5	1.600

31	Romulus Terebeş, Olivier Laviaille, Pierre Baylou, Monica Borda-Directional anisotropic diffusion, Proceedings of the XI-th European Signal Processing Conference EUSIPCO2002:Volume:2, Pages:266-269. Location: Toulouse, France, Date: SEP 3-6, 2002.	Cosmin Ludaşan, Olivier Laviaille:"Multifocus image fusion and denoising: A variational approach", PATTERN RECOGNITION LETTERS , Volume: 33 , Issue: 10 , Pages: 1388-1396 , DOI: 10.1016/j.patrec.2012.02.017, Published: JUL 15 2012 .WOS:000305771400016	4	2.000
32		Mohamed Malek, David Helbert, Philippe Carre: "DIRECTIONAL HYPERCOMPLEX DIFFUSION", 2013 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING (ICASSP) Book Series: International Conference on Acoustics Speech and Signal Processing ICASSP Pages: 1369-1373 Published: 2013.WOS:000329611501110	4	2.000
33		Romdhane, Ferial; Benzarti, Faouzi; Amiri, Hamid : "FINGERPRINT IMAGES ENHANCEMENT USING DIFFUSION TENSOR", 1st International Conference on Electrical Engineering and Software Applications (ICEESA) Location: Hammamet, TUNISIA Date: MAR 21-23, 2013 .WOS:000327207000105	4	2.000
34		Tudor Barbu:"Robust anisotropic diffusion scheme for image noise removal", Edited by:Jedrzejowicz, P; Czarnowski, I; Howlett, RJ; Jain, LC, KNOWLEDGE-BASED AND INTELLIGENT INFORMATION & ENGINEERING SYSTEMS 18TH ANNUAL CONFERENCE, KES-2014 Book Series: Procedia Computer Science Volume: 35 , Pages: 522-530 DOI: 10.1016/j.procs.2014.08.133 Published: 2014 WOS:000345394100053	4	2.000
35	Romulus Terebeş, Monica Borda, BZ Yuan,Olivier Laviaille, Pierre Baylou-Adaptive filtering using morphological operators and genetic algorithms, 6th International Conference on Signal Processing. Page(s): 853- 857, vol.1. Location: BEIJING, PEOPLES R CHINA Date: AUG 26-30, 2002. WOS:000181080500214	Muhammad Sharif; Muhammad Arfan Jaffar; Muhammad Tariq Mahmood : "Rician noise reduction by combining mathematical morphological operators through genetic programming", OPTICAL REVIEW Volume: 20 Issue: 4 Pages: 289-292 Published: JUL 2013 WOS:000322625400001	5	1.600

36		Sharif, Muhammad; Jaffar, Muhammad Arfan; Mahmood, Muhammad Tariq:"Optimal composite morphological supervised filter for image denoising using genetic programming: Application to magnetic resonance images" ,ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE Volume: 31 Special Issue: SI Pages: 78-89 Published: MAY 2014 WOS:000336474900009	5	1.600
37		Sharif, Muhammad; Jaffar, Muhammad Arfan; Mahmood, Muhammad Tariq: "Genetic Programming based Composite Filter for Rician Noise Reduction", 2013 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC 2013) Book Series: IEEE International Conference on Systems Man and Cybernetics Conference Proceedings Pages: 1317-1322 Published: 2013 .WOS:000332201901074	5	1.600
38		Li Yeli; Du Feng; Lu Likun "Morphological filter optimization processing based on a hybrid algorithm", IEEE Control Conference, 2008. CCC 2008. 27th Chinese, On page(s): 53 - 55.WOS:000259745800012	5	1.600
39		Sharif, M. , Bilal, M. , Khan, S. , Jaffar, M.A. : "Adaptive filter and morphological operators using binary PSO ", Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) Volume 6377 LNCS, Issue M4D, 2010, Pages 525-532.WOS:000289612900067 1st International Conference on Information Computing and Applications, ICICA 2010; Tangshan; China; 15 October 2010 through 18 October 2010; Code 82745. WOS:000289612900067	5	1.600
40	Romulus Terebeş, Monica Borda, Olivier Lavialle, Pierre Baylou, Sorin Pop, Tihamer Adam-Linear Flow Coherence Diffusion, International Carpathian Control Conference. Pages: 65-71,Location:Miskolc-Lillafüred, Hungary. Date: OCT 2004.	Olivier Lavialle , Sorin Pop, Christian Germain, Marc Donias, Sebastien Guillon, Noomane Keskes,Yannick Berthoumieu, Y.a "Seismic fault preserving diffusion",Journal of Applied Geophysics ,Volume 61, Issue 2, February 2007, Pages 132-141WOS:000246503600005	8	1.000

41	Sorin Pop, Romulus Terebeș, Monica Borda, Olivier Laviaille, Iulian Voicu, Pierre Baylou-3-D directional diffusion, International Conference on Computer as a Tool (EUROCON 2005). Pages: 955 - 958. Location: Belgrade, SERBIA MONTENEGRO. Date: NOV 21-24, 2005. WOS:000237248900240	Wang, W., Gao, J., Li, K., Ma, K., Zhang, X. : "Structure-oriented Gaussian filter for seismic detail preserving smoothing", 2009 IEEE International Conference on Image Processing, ICIP 2009; Cairo; Egypt; 7 November 2009 through 10 November 2009; Category number, CFP09CIP-ART; Code 79910. WOS:000280464300151	6	1.333
42	Cosmin Ludușan, Olivier Laviaille, Romulus Terebeș, Monica Borda- Morphological Sharpening and Denoising Using a Novel Shock Filter Model, "Image and Signal Processing", Lecture Notes in Computer Science Volume 6134, Pages: 19-27, 2010. Location: Trois-Rivières, QC, Canada. Date: JUN 30-JUL 2, 2010. WOS:000279663600003	Stephen H. Anderson and Jan W. Hopmans (ed.): oil-Water-Root Processes: Advances in Tomography and Imaging, SSSA Special Publication 61, 2013, Cap.8: "Segmentation of X-Ray CT Data of Porous Materials: A Review of Global and Locally Adaptive Algorithms", Published by: The Soil Science Society of America, Inc., autori: Markus Tuller, Ramaprasad Kulkarni and Wolfgang Fink	4	2.000
43	Romulus Terebeș, Otmane Lahlou- Camera phone based barcode decoding system, Acta Technica Napocensis, Electronics and Telecommunications, Volume:49, Number:3, pp. 57-62, 2008, ISSN:1221-6542.	POWERS J R, REDDY V M: "System for e.g. recognizing universal product code-A barcode from stream of video frame, has processor-implemented modules including identification module that uses estimated amount of defocus blur to estimate identity of barcode Patent Number(s): US2015001296-A1, Derwent Primary Accession Number: 2015-00379K	2	4.000
44	Sorin Pop, Romulus Terebeș, Monica Borda, Sebastien Guillon, Naamen Keskes, Olivier Laviaille, Pierre Baylou-3D seismic data fusion and filtering using a PDE-based approach ", IEEE International Conference on Image Processing (ICIP 2007). Pages: Page(s): IV-117 - IV-120 Location: San Antonio, TX. Date: SEP 16-19, 2007. WOS:000253487201213	Cosmin Ludușan, Olivier Laviaille: "Multifocus image fusion and denoising: A variational approach", PATTERN RECOGNITION LETTERS, Volume: 33, Issue: 10, Pages: 1388-1396, DOI: 10.1016/j.patrec.2012.02.017, Published: JUL 15 2012. WOS:000305771400016	7	1.143

45	Sorin Pop, Olivier Laviaille, Romulus Terebeș, Monica Borda-Low-level fusion: a PDE-based approach, 10th International Conference on Information Fusion Location: Quebec City, CANAD Date: JUL, 2007 2007 PROCEEDINGS OF THE 10TH INTERNATIONAL CONFERENCE ON INFORMATION FUSION, VOLS. WOS:000256950200141	Liu, Kai; Luo, Limin; Kou, Zheng: "Image fusion method based on the advection equation", JOURNAL OF ELECTRONIC IMAGING Volume: 23 Issue: 1 Article Number: 013019 Published: JAN-FEB 2014, Accession Number: WOS:000332855000028	4	2.000
46		Cosmin Ludușan, Olivier Laviaille:"Multifocus image fusion and denoising: A variational approach", PATTERN RECOGNITION LETTERS , Volume: 33 , Issue: 10 , Pages: 1388-1396 , DOI: 10.1016/j.patrec.2012.02.017, Published: JUL 15 2012 WOS:000305771400016	4	2.000
47	Romulus Terebeș, Olivier Laviaille, Pierre Baylou, Monica Borda, Ioan Naforniță:Adaptive directional morphological operators, Xth European Signal Processing Conference. Location: Tampere, Finland. Date:SEP 4-8, 2000.	Sharif, M. , Bilal, M. , Khan, S. , Jaffar, M.A. : "Adaptive filter and morphological operators using binary PSO ", Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) Volume 6377 LNCS, Issue M4D, 2010, Pages 525-532 1st International Conference on Information Computing and Applications, ICICA 2010; Tangshan; China; 15 October 2010 through 18 October 2010; Code 82745. WOS:000289612900067	5	1.600
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A3.1.2. Citari in reviste si volume ale unor manifestari stiintifice indexate in alte baze de date internationale (BDI)					Punctaj	Numar
					40.476	39
Nr.	Articol citat	Articol care citeaza /BDI	Numar autori art.citat	Punctaj		
1	Romulus Terebeș, Olivier Lavielle, Pierre Baylou, Monica Borda- Mixed anisotropic diffusion, 16th International Conference on Pattern Recognition (ICPR). Pages: 760-763,vol.3 Location: QUEBEC CITY, CANADA. Date: AUG 11-15, 2002.WOS:000177887100185	A Histace, M Ménard : "MRI Image Enhancement-A PDE-based Approach Integrating a Double-well Potential Function for Thin Structure Preservation", VISAPP - Computer Vision Theory and Applications, pp. 501-508, 2010 , BDI: Google Scholar, Microsoft Academic, Scopus	4	1.000		
2		A. Histace, D. Rousseau:"Useful Noise effect for nonlinear PDE based restoration of scalar images", International Journal of Computer Information Systems and Industrial Management Applications. ISSN 2150-7988 Volume 4 (2012) pp. 411–419 c MIR Labs, www.mirlabs.net/ijcisim/index.htm. BDI: Google Scholar	4	1.000		
3		Aymeric Histace; Vincent Courboulay; Michel Menart, Christinen Cavaro-Menard:"Restauration d'images par diffusion sélective;20° Colloque sur le traitement du signal et des images, 2005 ; p. 200-203; GRETSI, Groupe d'Etudes du Traitement du Signal et des Images. BDI: Google Scholar	4	1.000		
4		V. Courboulay, V. A. Histace,M. Ménard, C. Cavaro-Ménard:"A New Paradigm for the Extraction of Information: Application to Enhancement of Visual Information in a Medical Application", Journal of Dong Hua University (English Edition), ISSN 1672-5220, Vol. 21(3), pp. 111-116, 2004. BDI:Scopus	4	1.000		

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8		Liu Kai, Kou Zheng:"Image Fusion Method Based on Numerical Differentiation", Computer Engineering 2011, Vol. 37 Issue (16): 221-223 DOI: 10.3969/j.issn.1000-3428.2011.16.075. BDI: Google scholar	4	1.000
9		LIU Kai, KOU Zheng, LUO Limin:"Comparison study of two numerical schemes for PDE-based fusion method", Computer Engineering and Applications, vol.49, no.24, Pages:165-171, 2013, ISSN:1002-8331. BDI:Google Scholar	4	1.000
10	Sorin Pop, Olivier Laviaille, Marc Donias, Romulus Terebeş, Monica Borda, Sebastien Guillon, Noomane Keskes-A PDE-based approach to three-dimensional seismic data fusion,IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, Volume:46, Issue:5, pp. 1385-1393,2008, ISSN: 0196-2892.WOS:000255222800010	D.a Wu, A.a Yang, , C.b, L.b Zhu, Zhang "Survey of multi-sensor image fusion", Communications in Computer and Information Science Volume 461, 2014, Pages 358-367. BDI: SCOPUS, Google Scholar	7	0.571

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13		R. M. Farouk , E. M. Badr and M. A. SayedElahl: "RECOGNITION OF CDNA MICROARRAY IMAGE USING FEEDFORWARD ARTIFICIAL NEURAL NETWORK", International Journal of Artificial Intelligence & Applications (IJAIA), Vol. 5, No. 5, September 2014. BDI: Google Scholar	4	1.000
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15	Romulus Terebeş, Monica Borda, BZ Yuan,Olivier Lavialle, Pierre Baylou-Adaptive filtering using morphological operators and genetic algorithms, 6th International Conference on Signal Processing. Page(s): 853- 857, vol.1. Location: BEIJING, PEOPLES R CHINA Date: AUG 26-30, 2002. WOS:000181080500214	Rezaei, M., Sarshar, M., Sanaatiyan, M.M., Toward next generation of driver assistance systems: A multimodal sensor-based platform, 2010, 2010 The 2nd International Conference on Computer and Automation Engineering, ICCAE 2010 4 , art. no. 5451782 , pp. 62-67, BDI: SCOPUS	5	0.800
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17		Muhammad Tariq Mahmood,, Young Kyu Choi:"Noise Reduction from MR Images using Mathematical Morphological Operators and Genetic Programming",Journal of Korea Information Science Society- Computer Practices and Letters, Vol.19, 2013.No,9, Pages 456-461,	5	0.800
18		M.Zeng, J.Li:"Optimized design of morphological improved top-hat filter based on improved genetic algorithms", Guangxue Xuebao/Acta Optica Sinica, Volume 26, Issue 4, April 2006, Pages 510-515, ISSN: 02532239. BDI:SCOPUS	5	0.800
19	Cosmin Ludușan, Olivier Lavialle, Sorin Pop, Romulus Terebeș, Monica Borda-Image enhancement using a new shock filter formalism, Acta Technica Napocensis, Electronics and Telecommunications, Volume: 50, Number: 3, pp. 27-30, 2009, ISSN:1221-6542	Bogdan Betea, Mircea-Cristian Gherman, Monica Borda, Petru Dobra : "Bearing Defects Signals Demodulation Using Shock Filters", ACTA TECHNICA NAPOCENSIS - Electronics and Telecommunications,Volume 53, Number 3, 2012, Pages:35-40. BDI: Google Scholar	5	0.800
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28	Romulus Terebeş, Otmane Lahlou- Camera phone based barcode decoding system, Acta Technica Napocensis, Electronics and Telecommunications, Volume:49, Number:3, pp. 57-62, 2008, ISSN:1221-6542.	Pei-Cheng Hii and Wan-Young Chung : "A Comprehensive Ubiquitous Healthcare Solution on an Android™ Mobile Device", <i>Sensors 2011, 11(7), 6799-6815; doi:10.3390/s110706799</i> . BDI: Google Scholar	2	2.000
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33	Sorin Pop, Olivier Laviaille, Romulus Terebeş, Monica Borda-Low-level fusion: a PDE-based approach, 10th International Conference on Information Fusion Location: Quebec City, CANAD Date: JUL, 2007 2007 PROCEEDINGS OF THE 10TH	Lee, H.a , Lee, B.b , Park, K.a , Elmasri, R.a : "Fusion techniques for reliable information: A survey", International Journal of Digital Content Technology and its Applications Volume 4, Issue 2, April 2010, Pages 74-88. BDI: SCOPUS, Google Scholar	4	1.000
34	Cosmin Luduşan, Olivier Laviaille, Romulus Terebeş, Monica Borda, Sorin Pop-Image enhancement using hybrid shock filters, 2010 IEEE International Conference on Automation Quality and Testing Robotics (AQTR). Volume: 3. Pages:1-6, DOI: AQTR.2010.5520666. Location: Cluj-Napoca, Romania. Date: 28-30 May 2010.	K.Iwamoto. T. Yoshida "Super-resolutions based on shock filter and non local means with BM3D for congruity", TENCON 2014 - 2014 IEEE Region 10 Conference, Date :22-25 Oct. 2014 , Page(s):1 - 6 ISSN :2159-3442 Print ISBN:978-1-4799-4076-9. BDI: IEEEExplore, Google Scholar	5	0.800
35		Z.-H.Xi, T.Hai: "Image enlargement research baised on anisotropic complex diffusion coupling to Shock filter", Tongxin Xuebao/Journal on Communications, Volume 35, Issue 2, February 2014, Pages 1-8, ISSN:ISSN: 1000436X. BDI:Scopus	5	0.800
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38		LIU Kai, KOU Zheng, LUO Limin:"Comparison study of two numerical schemes for PDE-based fusion method", Computer Engineering and Applications, vol.49, no.24, Pages:165-171, 2013, ISSN:1002-8331. BDI:Google Scholar	4	1.000
39	Mircea Gherman, Monica Borda, Romulus Terebeș- Time series analysis using wavelets and GJR-GARCH models, 2012 PROCEEDINGS OF THE 20TH EUROPEAN SIGNAL PROCESSING CONFERENCE (EUSIPCO), Page: 2138- 2142, Location: Bucharest, Romania. Date:AUG 27-31, 2012.WOS:000310623800430	S.G.a Shrinivas,N.M.b Elango:"Predicting a time series model for linear regression system using web spatio-temporal data", International Journal of Applied Engineering Research, Volume 9, Issue 22, 2014, Pages 12523-12538, ISSN:09734562. BDI: Scopus	3	1.333

A3.2.1. Prezentari invitate in plenul unor manifestari stiintifice si Profesor invitat - internationale			Punctaj	Numar
			10	1
Nr.	Descriere	Anul		
1	Bursier SSHN (Sejour Scientifique Haut Niveau) -Ministerul Afacerilor Externe Franța, Universitatea din Bordeaux, durata 1 saptamana, seminarii si cursuri pentru studentii de la master	2011		

A3.2.2. Prezentari invitate in plenul unor manifestari stiintifice si Profesor invitat - nationale			Punctaj	Numar
			0	0
Nr.	Descriere	Anul		

A3.3.1. Membru in colectivele de redactie sau comitete stiintifice al revistelor, organizator de manifestari stiintifice, internationale indexate ISI			Punctaj	Numar
			20	2
Nr.	Descriere	Perioada		
1	MEMBRU TPC (Technical Program Comitee) - conferinta EUSIPCO	2012-2014		
2	Membru în comitetul de program TPC (Technical Program Comitee) pentru conferința AQTR IEEE International Conference on Automation, Quality and Testing, Robotics	2012 și 2014		

A3.3.2. Membru in colectivele de redactie sau comitete stiintifice al revistelor, organizator de manifestari stiintifice, internationale indexate BDI			Punctaj	Numar
			12	2
Nr.	Descriere	Perioada		
1	ACTA TECHNICA NAPOCENSIS ELECTRONICA-TELECOMUNICATII (ELECTRONICS AND TELECOMMUNICATIONS)" ISSN 1221-6542 membru Scientific Board, recenzie 5 articole	2008-2015		
2	MEMBRU TPC (Technical Program Comitee) - conferinta IEEE BLACKSEA	2015		

A3.3.3. Membru in colectivele de redactie sau comitete stiintifice al revistelor, organizator de manifestari stiintifice, internationale si nationale neindexate			Punctaj	Numar
			3	1
Nr.	Descriere	Perioada		
1	Membru în colectivul de organizare pentru manifestarea științifică <i>International Workshop Trends And Recent Achievements In Information Technology</i> , Universitatea Tehnică cîn Cluj-Napoca, 2002	2002		

A3.4.1. Premii in domeniu: Academia Romana, ASTR, academii de ramura, premii internationale			Punctaj	Numar
			30	2
Nr.	Descriere	An		
1	Medalie de aur la Salonul de inventica "IV International Warwaw Inventions Show" (IWS 2010), pentru cererea de inventie "Method and hardware architecture for the automatic addressing of microarray images", organism: Asociaton of Polish Inventors and Rationalizers. Autori: Monica Borda, Ioan Bogdan Belean, Romulus Terebeș, Raul Emil Măluțan	2010		
2	Medalie de argint la Salonul de inventica "Infoinvent 2011", pentru cererea de inventie "Metodă și arhitectură hardware pentru adresarea automată a imaginilor microarray", Organism: Agenția de Stat pentru Proprietatea Intelectuală a Republicii Moldova. Autori: Monica Borda, Ioan Bogdan Belean, Romulus Terebeș, Raul Emil Măluțan	2010		

A3.4.2. Premii in domeniu: nationale			Punctaj	Numar
			25	5
Nr.	Descriere	An		
1	Premiu CNCSIS, tip Premiarea rezultatelor cercetarii - Articol ISI zona rosie, in lista pe noiembrie 2008: poz.25 (articol premiat IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING 46(5):1385-1393, MAY 2008 SUBDOMENIUL ISI*: Engineering, electrical & electronic. Articol: Sorin Pop, Olivier Laviaille, Marc Donias, Romulus Terebeș, Monica Borda, Sebastien Guillon, Noomane Keskes, "A PDE-based approach to three-dimensional seismic data fusion", IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING Volume: 46 Issue: 5 Pages: 1385-1393 Published: MAY 2008, ISSN: 0196-2892	2008		

2	Medalie de argint la editia a 2011 a Expoziției Europene a creativității și inovării "Euroinvent 2011" pentru cererea de inventie "Method and hardware architecture for the automatic addressing of microarray images", Iași, România. Organism: Europe Direct Iași, Forumul Inventatorilor Români, Universitatea Tehnica „Gheorghe Asachi” Iași, Universitatea "Al. I. Cuza" Iași. Autori: Monica Borda, Ioan Bogdan Belean, Romulus Terebeș, Raul Emil Măluțan	2011
3	Medalie de argint la editia a 14-a a Expozitiiei internationale de invenții, cercetare științifică si tehnologii noi "Inventika" pentru cererea de inventie "Metodă și arhitectură hardware pentru adresarea automată a imaginilor microarray", București, România. Organism: ANCS, Centrul expozițional Romexpo, București. Autori: Monica Borda, Ioan Bogdan Belean, Romulus Terebeș, Raul Emil Măluțan	2010
4	Diploma de excelență la editia a 11-a a Salonului International de inventică "Proinvent" pentru cererea de inventie "Metodă și sistem de criptare de tip OTP bazate pe secvențe aleatoare determinate din structuri ADN", Cluj-Napoca, România. Organism: Universitatea Tehnică din Cluj-Napoca, Expo Transilvania Cluj-Napoca, sub egida Ministerului Educației Naționale si a Academiei de Științe Tehnice din România, Filiala Cluj. Autori: Monica Borda, Ioan Bogdan Belean, Romulus Terebeș, Raul Emil Măluțan	2013
5	Diploma de onoare la editia a 15-a a Salonului International al Cercetarii, Inovarii si Transferului Tehnologic "Inventica 2011" pentru cererea de inventie "Metodă și arhitectură hardware pentru adresarea automată a imaginilor microarray", București, România. Organism: Institutul Național de Inventică, Iași. Autori: Monica Borda, Ioan Bogdan Belean, Romulus Terebeș, Raul Emil Măluțan	2011