

UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE PENTRU POSTUL DE PROFESOR

CANDIDAT: FLOREA Corneliu - Nicolae
Conferențiar, Depart. de Electronică Aplicată și Ingineria Informației,
Fac. de Electronică, Telecomunicații și Tehnologia Informației

Condiții	Îndeplinire condiții	
A. Doctor	Diplomă de Doctor în domeniul Ingineria Electronică și Telecomunicații, seria G 0000171 emisă de Universitatea Politehnica din București nr. 171 din 06-01-2010.	
B. Îndeplinirea standardelor minime naționale conform OMECTS nr. 6560/20.12.2012; MO, I, 890 si 890bis/27.12.2012;	Standarde îndeplinite, conform Comisiei CNATDCU Nr. 11, Electronică, Telecomunicații și Nanotehnologie. Anexată: Fișe de calcul (pentru articole respectiv pentru citări) și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate:	
Condiții minime [Punctaj]	Minim prevăzut	Realizat
A1. Activitatea didactică și profesională	100	115
A2. Activitatea de cercetare	500	758.09
A3. Recunoașterea și impactul activității	100	211.71
TOTAL (A)	700	1084.80
Condiții minime obligatorii pe subcategorii [Număr]	Minim prevăzut	Realizat
A.1.1.1.-A1.1.2. Cărți și capitole în cărți de specialitate	4	4
A.1.2.1.-A1.2.2. Material didactic / Lucrări didactice	2	3
A.2.1. Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings	12	33
A.2.4.1. Granturi/proiecte câștigate prin competiție (Director/responsabil)	2	2
A.3.1.1.-A.3.1.2. Număr de citări în cărți, reviste și volume ale unor manifestări științifice ISI sau BDI	20	70
Factor de impact cumulată pentru publicații	6	27.9
C. Atestarea studiilor (diploma + Foi Matricole) si a altor realizari profesionale	Diplomă de Licență , în domeniul Electronică și Telecomunicații, seria D Nr. 0006654, emisă de Universitatea Politehnica din București cu Nr. de înregistrare 3304 din 10-05-2005 .	
	Foaie matricolă , extrasă, din registrul matricol, vol 59B, nr matricol 214 anul 1999.	
	Certificat de absolvire a Departamentului pentru pregătirea personalului didactic , seria E, nr. 0016439, emisă de Universitatea Politehnica din București cu Nr. de înregistrare 561 din 07-11-2005	

Subsemnatul **FLOREA Corneliu-Nicolae**, candidat pentru abilitarea de a conduce doctorate, Departamentul de **Electronică Aplicată și Ingineria Informației**, Facultatea de **Electronică, Telecomunicații și Tehnologia Informației**, din Domeniul de Studii Univ. **Electronică**, arondat Comisiei de Specialitate CNATDCU [OMECTS 6573/2012] Nr. **11, Electronică, Telecomunicații și Nanotehnologie**, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declarații, din Legea 286/2009 - Codul Penal, că sunt îndeplinite toate Standardele minime prevăzute de Metodologia UPB pentru înscrierea la concurs și OMECTS 6560/2012 [C + P], în momentul înscrierii la concurs, și susțin veridicitatea informațiilor prezentate în dosar și în materialul de mai sus. Lucrările considerate a fi incluse în Baza ISI Thomson Reuters sau în alte Baze de Date Internaționale [BDI] sunt vizibile în aceste baze, în dreptul numelui candidatului, la această dată.

Candidat,

Data: 07-06-2016

Se anexează prezentei, fișe de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate.

		Categorie	Punctaj
1	Prezentare activității didactice și profesionale	A1	115
2	Activitatea de cercetare	A2	758.092
3	Recunoasterea si impactul activitatii	A3	211.71
Total			1084.802

Activitatea didacica si profesionala (A1)				
1	Carti si capitole în carti de specialitate in edituri recunoscute	A1.1.1	1	25
		A1.1.2	3	60
2	Material didactic / Lucrari didactice	A.1.2	3	30

Activitatea de cercetare (A2)

Lista de publicații					
	Categorie lucrări	Clasif.	Nr.	Factor de impact	Punctaj
1	Lucrări științifice în reviste cotate ISI;	A2.1	8	8.65	126.884
2	Lucrări științifice prezentate la conferințe internaționale indexate ISI	A2.1	25	6.25	221
3	Lucrări științifice în reviste indexate în alte BDI;	A2.2	7	0	44.001
4	Lucrări științifice prezentate la conferințe internaționale indexate BDI	A2.2	12	0	74.001
5	Brevete de invenție	A2.3.1	26	13	170.206
Total				27.9	636.092

	Granturi	Clasif.	Nr.	Punctaj
1	Granturi / proiecte câștigate prin competiție – responsabil/director	A2.4.1.2	2	60
2	Granturi / proiecte internaționale câștigate prin competiție	A2.4.2.1	3	28
3	Granturi / proiecte naționale câștigate prin competiție	A2.4.2.2	6	34
Total			11	122

Recunoasterea si impactul activitatii		Clasif.	Nr	Punctaj
1	Citări in carti, reviste si volume ale unor manifestari stiintifice	A.3.1.1	45	105.38
		A.3.1.2	25	26.33
2	Membri in colectivele de redactie sau comitete stiintifice al revistelor, organizator de manifestari stiintifice, internationale indexate ISI	A3.3.1	8	80

Cărți/ monografii/ capitole ca autor		
Nr.crt	Lucrare	Punctaj
Internationale		
1	Laura Florea, Corneliu Florea and Constantin Vertan "Extended eye landmarks detection for emerging applications" in Advances in Face Detection and Facial Image Analysis, în M. Kawulok et al. (eds.), "Advances in Face Detection and Facial Image Analysis", DOI 10.1007/978-3-319-25958-1_15 Springer International Publishing Switzerland, ISBN (hardcover): 978-3-319-25956-7, ISBN(eBook): 978-3-319-25958-1. aprilie 2016, chapter 23, Springer 2016, pg 397-434 (38 pag)	25
TOTAL		25
Nationale		
1	Constantin Vertan, Mihai Ciuc, Marta Zamfir, Corneliu Florea , Laura Florea, Alina Sultana, Tiberiu Radulescu: "Prelucrarea si analiza imaginilor digitale - elemente fundamentale si aplicatii avansate", Editura MatrixRom, Bucuresti, Romania, 2013. 270 pag. ISBN978-973-755-367-6 Cod CNCISIS 139	20
2	Corneliu Florea , Bogdan Ionescu, Constantin Vertan: "Computer Vision - Tehnici de calibrare a camerei digitale si analizei informatiei vizuale", Editura MatrixRom, Bucuresti, Romania, 2013. ISBN978-973-755-942-5, 180 pag. Cod CNCISIS 139	20
3	Corneliu Florea , Mihai Ciuc "Analiza faciala automata" - editura Politehnica Press, Bucuresti 2016, ISBN 978-606-515-1, 221 pag. Cod CNCISIS 19 ,	20
TOTAL		60

Manuale didactice:		
1	Corneliu Florea ; Laura Florea: "Prelucrarea statistică a informației - îndrumar de laborator", Ed. MatrixRom, Bucharest, Romania, 2008.127 pag. ISBN978-973-755-367-6 Cod CNCISIS 139	10
2	Constantin Vertan, Corneliu Florea "Achiziția și prelucrarea imaginilor color" Editura Politehnica Press, Bucuresti 2013, 202 pag. ISBN 978-606-515-476-6 Cod CNCISIS 19	10
3	Laura Florea, Corneliu Florea , "Sisteme software pentru prelucrarea imaginilor" Editura Politehnica Press, Bucuresti 2013, 178 pag. ISBN 978-606-515-474-2 Cod CNCISIS 19	10
TOTAL		30

1. Lucrări științifice în reviste cotate ISI;

		Factor	Nr Autori	Punctaj
1	Laura Florea, Corneliu Florea , Constantin Vertan, Alina Sultana "Automatic Tools for Diagnosis Support of Total Hip Replacement Follow-up" in <i>Advances in Electrical and Computer Engineering</i> , 2011, Issue 4, 2011, pp: 55 – 62; WOS:000297764500009	0.529	4	8.895
2	Corneliu Florea , Laura Florea, "Parametric Logarithmic Type Image Processing for Contrast Based Auto-Focus in Extreme Lighting Conditions", in <i>International Journal of Applied Mathematics and Computer Science</i> , Vol. 23, No. 3, 2013, pp. 637 - 648. WOS:000325208900012	1.227	2	24.77
3	Corneliu Florea , Laura Florea, „Logarithmic Type Image Processing Framework for Enhancing Photographs Acquired in Extreme Lighting” in <i>Advances in Electrical and Computer Engineering</i> Vol. 13, No. 2, pp. 97-104, 2013. WOS:000322179400016	0.529	2	17.79
4	Razvan Condorovici, Corneliu Florea , Constantin Vertan, "Automatically Classifying Paintings with Perceptual Inspired Descriptors" accepted in <i>Journal of Visual Communication and Image Representation</i> , DOI: 10.1016/j.jvcir.2014.11.016, Vol. 26, pp. 222–230, 2015 WOS:000348249000020	1.218	3	16.453
5	Ruxandra Vranceanu, Corneliu Florea , Laura Florea, Constantin Vertan, "Gaze Direction Estimation by Component Separation for Recognition of Eye Accessing Cues", <i>Machine Vision Application</i> DOI:10.1007/s00138-014-0656-8, Volume 26, Issue 2-3, pp 267-278, 2016 WOS:000351462900008	1.351	4	13.005
6	Corneliu Florea , Constantin Vertan; Laura Florea "High Dynamic Range Imaging by Perceptual Logarithmic Exposure Merging", in <i>International Journal of Applied Mathematics and Computer Science (AMCS)</i> in 2015, Vol. 25, No. 4, pp. 943–954 WOS:000367468200017	1.227	3	16.513
7	Laura Florea, Corneliu Florea , Constantin Vertan, "Recognition of the gaze direction: Anchoring with the eyebrows", <i>Journal of Visual Communication and Image Representation</i> , Vol 35, pp. 67-77, 2016 WOS:000369879600006	1.218	3	16.453
8	Raluca Boia, Corneliu Florea , Laura Florea , Radu Dogaru, "Logo localization and recognition in natural images using homographic class graphs", <i>Machine Vision and Applications</i> , February 2016, Volume 27, Issue 2, pp 287-301 WOS:000373682400009	1.351	4	13.005
TOTAL		8.65		126.884

2. Lucrări științifice prezentate la conferințe internaționale indexate ISI

		Factor	Nr Autori	Punctaj
1	Laura Sîrbu, Johan Thijssen, Corneliu Florea , Vasile Buzuloiu, Chris deKorte: "Automatic Segmentation of the Heart Muscle from Echocardiographic Images", în Proceedings International Symposium on Signals, Circuits and Systems ISSCS, vol. 1, pp. 39-43, Iași, România, 2005. WOS:000231532900010	0.25	5	6
2	Corneliu Florea , Constantin Vertan, Laura Florea: "Logarithmic Model-based Dynamic Range Enhancement of Hip Xray Images", ACIVS, vol. LNCS 4678, Eds. J. Blanc-Talon et al, pp. 587-596, Delft, Netherlands, 2007. WOS:000250340600053	0.25	3	10
3	Corneliu Florea , Constantin Vertan "Dynamic Range Enhancement in Digital Camera Acquisition of Prostheses Hip Xrays" in Proc. la ISSCS 2007, Iasi, Romania, July 2007, vol. 1, pp. 1-4. WOS:000250471700051	0.25	2	15
4	Felix Albu, Corneliu Florea , Adrian Zamfir, Alexandru Drimborean, "Low Complexity Global Motion Estimation Techniques for Image Stabilization", in Proc. La ICCE 2008, Las Vegas, USA, January 9-13 2008, pp. 465-467, WOS:000258983200082	0.25	4	7.5
5	Constantin Vertan, A. Oprea, Corneliu Florea , Laura Florea: "A Pseudo-Logarithmic Image Processing Framework for Edge Detection", ACIVS, vol. 5259, pp. 637-644, Juan-les-Pins, France, 2008. WOS:000262163800057	0.25	4	7.5
6	Laura Florea, Constantin Vertan, Corneliu Florea : "3D Femoral Bone Approximation in Prosthesed Hip Radiographies", IEEE International Conference on Intelligent Computer Communication and Processing ICCP, pp. 75-82, Cluj, România, 2008 WOS:000261519200011	0.25	3	10
7	Felix Albu, Constantin Vertan, Corneliu Florea , Alexandru Drimborean "One Scan Shadow Compensation and Visual Enhancement of Color Images", in Proc. la ICIP 2009, Caro, Egypt, November, 2009, pp. 3133-3136. WOS:000280464301231	0.25	4	7.5
8	Alina Sultana, Mihai Ciuc, Laura Florea, Corneliu Florea : "Detection of Mammographic Microcalcifications Using a Refined Region-Growing Approach", IEEE International Symposium on Signals, Circuits and Systems ISSCS, vol. 1, pp. 229-233, Iași, România, 2009. WOS:000275854200057	0.25	4	7.5
9	Corneliu Florea , Constantin Vertan, Laura Florea, A. Oprea: "Non-linear Parametric Derivation of Contour Detectors for Cellular Images", IEEE International Symposium on Signals, Circuits and Systems ISSCS, pp. 321-325, Iași, România, 2009. WOS:000275854200079	0.25	4	7.5
10	Felix Albu, Corneliu Florea , Alexandru Drimborean, Adrian Zamfir "Adaptive recovery of motion blur point spread function from differently exposed images", in Proc. la IS&T/SPIE EI 2010, San Jose, U.S.A, January 2010, Paper 7537-25, 8 pag. Conference 7537. WOS:000285777000023	0.25	3	10
11	Mihai Ciuc, Adrian Capata, Corneliu Florea , "Objective measures for quality assessment of automatic skin enhancement algorithms", in Proc. la IS&T/SPIE EI 2010, San Jose, U.S.A, 2010, Paper 7529-23, 9 pag. Conference 7529. WOS:000283490000022	0.25	4	7.5
12	Corneliu Florea , Adrian Capata, Mihai Ciuc, Peter Corcoran, "Facial Enhancement and Beautification for HD Video Cameras", in Proceedings of the 2011 IEEE International Conference on Consumer Electronics, ICCE, Las Vegas, Nevada, USA, Jan 9-12, 2011, pp. 762-763, WOS:000295128300371	0.25	4	7.5
13	Laura Florea, Corneliu Florea , Constantin Vertan, Bogdan Ionescu "Upper Face Description by Comparative Analysis of Grey-scale Image Pairs", IEEE International Symposium on Signals, Circuits and Systems ISSCS, pp. 205-208, Iași, România, 2011 WOS:000337925400051	0.25	4	7.5

14	Laura Florea, Corneliu Florea , Ruxandra Vranceanu, Constantin Vertan "Zero-crossing Based Image Projections Encoding for Eye Localization", EUSIPCO 2012, pp. 150-154, 2012, Bucuresti, Romania. WOS:000310623800031	0.25	4	7.5
15	Laura Florea, Serban Oprisescu, Corneliu Florea "Mouth Area Analysis by the Use of Selected Spectral Energies", Proceedings of the 9th International Conference on Communications COMM2012, pp. 103-106. 2012, Bucuresti, Romania WOS:000307808200023	0.25	3	10
16	Razvan Condorovici, Corneliu Florea , Constantin Vertan „Painting Scene Recognition Using Homogenous Shapes”, in ACIVS, vol. LNCS 8192, Eds. J. Blanc-Talon et al, pp. 262-273, Poznan, Polonia, 2013 WOS:000332973500024	0.25	3	10
17	Ruxandra Vrânceanu, Corneliu Florea , Laura Florea, Constantin Vertan „Automatic Detection of Eye Gaze Direction NLP Applications” in IEEE International Symposium on Signals, Circuits and Systems ISSCS, Iulie, Iași, România, 2013, pp. 1-4; WOS:000337926700030	0.25	4	7.5
18	Razvan Condorovici, Corneliu Florea and Constantin Vertan „Author Identification for Digitized Paintings Collections” in Proc. of IEEE International Symposium on Signals, Circuits and Systems ISSCS, Iulie, Iași, România, 2013, pp. 1-4; WOS:000337926700031	0.25	3	10
19	Razvan Condorovici, Corneliu Florea , Ruxandra Vrânceanu, Constantin Vertan "Perceptually-Inspired Artistic Genre Identification System in Digitized Painting Collections", in Proc of Scandinavian Conference on Image Analysis 2013, pp 687-696 WOS:000342988500064	0.25	4	7.5
20	Laura Florea, Corneliu Florea , Ruxandra Vranceanu, Constantin Vertan "Can Your Eyes Tell Me How You Think? A Gaze Directed Estimation of the Mental Activity", in British Machine Vision Conference (BMVC), Bristol, United Kingdom, 11 pag. 2013. WOS:000346352700057	0.25	4	7.5
21	Constantin Vertan, Corneliu Florea , Laura Florea, Alina Sultana," Software Tools for Medical Diagnosis Support Automatic Interpretation of Digital X-ray Films", in Proc Int. Conf. on e-Health and Bioengineering, pp 1 – 4, EHB 2013, Iasi, Romania, WOS:000346672900163	0.25	4	7.5
22	Alessandra Bandrabur, Laura Florea, Raluca Boia, Corneliu Florea , „Compressed projections for localization of landmarks in the eye region”10th International Conference on Communications (COMM), page 1-4, 2014, WOS:000345844600067	0.25	4	7.5
23	Raluca Boia, Alessandra Bandrabur, Corneliu Florea , „Local description using multi-scale complete rank transform for improved logo recognition” 10th International Conference on Communications (COMM), page 1-4, 2014, WOS:000345844600063	0.25	3	10
24	Raluca Boia, Corneliu Florea , Homographic Class Template for Logo Localization and Recognition, Pattern Recognition and Image Analysis (IBPRIA 2015), Vol. 9117, Pages: 487-495, WOS:000358315300055	0.25	2	15
25	Corneliu Florea , Laura Florea, Constantin Vertan, "Learning Pain from Emotion: Transferred HoT Data Representation for Pain Intensity Estimation" In ECCV workshop on ACVR 2014, LNCS. Zurich, Switzerland., LNCS 8927, pp. 778–790, 2015, WOS:000361841100054	0.25	3	10
TOTAL		6.25		221

3. Lucrări științifice în reviste indexate în alte BDI

		Factor	Nr Autori	Punctaj
1	Alina Oprea, Constantin Vertan, Corneliu Florea , Laura Florea "A Logarithmic-like Image Processing Framework for Biomedical Image Enhancement", in Scientific Journal of University "Politehnica" of Timisoara, Electronics and Telecommunications Series, Vol 53(67), No. 1-2, 2008, pp. 66-69.	Index Copernicus	4	5
2	Corneliu Florea , Constantin Vertan "Piecewise linear approximation of logarithmic image processing models for dynamic range enhancement", Buletinul Științific al Universității "Politehnica" București, seria Electronică și Telecomunicații, seria C, Vol. 71, Iss. 2, 2009, pp. 3-15	Scopus	2	10
3	Ruxandra Vranceanu, Laura Florea, Corneliu Florea , „A Computer Vision Approach for the Eye Accessing Cue Model Used in Neuro-Linguistic Programming” in Buletinul Științific al Universității "Politehnica" București, seria Electronică și Telecomunicații, seria C Vol. 75, Iss. 4, 2013, pp. 79-90	Scopus	3	6.667
4	Peter Corcoran, Cosmin Stan, Corneliu Florea, Mihai Ciuc, Petronel Bigioi, „Digital Beauty: The good, the bad, and the (not-so) ugly” IEEE Consumer Electronics Magazine, Vol: 3 (4) DOI: 10.1109/MCE.2014.2338573 2014 , Page(s): 55 - 62	IEEE Explore	5	4
5	Laura Florea, Corneliu Florea , Constantin Vertan, "Robust eye centers localization with zero-crossing encoded image projections", Pattern Analysis Applications, DOI 10.1007/s10044-015-0479-x; Mai 2015, 12 pag.	Springer	3	6.667
6	A. Bandrabur, L. Florea, R. Boia, C. Florea , "Automatic Robust Localization of Eye Related Landmarks« , Buletinul Științific al UPB , seria C, Series C, Vol. 77, Iss. 4, 2015, pp. 223-234	Scopus	4	5
7	Corneliu Florea , Constantin Vertan; Laura Florea " TESPARE-Based 2D Shape Recognition ", in Scientific Bulletin of University "Politehnica" of Bucuresti, Electronics and Telecommunications, series C, Vol. 78, Iss. 2, 2016, Page 79-88	Scopus	3	6.667
	TOTAL			44.001

4. Lucrări științifice din volumele unor conferințe internaționale indexate BDI				
		Baza de date	Nr Autori	Punctaj
1	Laura Florea, Constantin Vertan, Corneliu Florea, A. Oprea: "Dynamic Range Enhancement of Consumer Digital Camera Acquired Hip Prosthesis Xray Images", EUSIPCO, pp. 1103-1106, Poznan, Poland, 2007.	EURASIP	4	5
2	Corneliu Florea, Constantin Vertan, Laura Florea, A. Oprea: "On the Use of Logarithmic Image Processing Models in Total Hip Prostheses X-ray Visualization and Analysis", Medical Image Understanding and Analysis MIUA, pp. 127-131, Dundee, United Kingdom, 2008.	Google Scholar	3	6.667
3	Corneliu Florea, Felix Albu, Constantin Vertan, Alexandru Drimbarean "Logarithmic Tools for In-camera Image Processing", in Proc. la 16th IET Irish Signals and Systems Conference ISSC2008, Galway, Ireland, 2008, pp. 394-399.	IEEE Explore	4	5
4	Corneliu Florea, Laura Florea: "A Parametric Non-Linear Algorithm for Contrast Based Auto-Focus", IEEE International Conference on Intelligent Computer Communication and Processing ICCP, Cluj-Napoca, România, 2011, pp 267 – 271	IEEE Explore	2	10
5	Ruxandra Vrânceanu, Constantin Vertan, Razvan Condorovici, Laura Florea, Corneliu Florea: " A Fast Method for Detecting Eye Accessing Cues used in Neuro-Linguistic Programming", IEEE International Conference on Intelligent Computer Communication and Processing ICCP, Cluj-Napoca, România, 2011, pp. 225 – 229	IEEE Explore	5	4
6	Ruxandra Vrânceanu, Corneliu Florea, Laura Florea and Constantin Vertan "NLP EAC Recognition by Component Separation in the Eye Region", in Proc Computer Analysis of Images and Patterns 2013, York, United Kingdom, pp. 225-232	Google Scholar	4	5
7	Corneliu Florea, Laura Florea, " Robustifying compressed projections for expressive iris localization " In Proc. Int. Conf. on Electronics, Computers and Artificial Intelligence (ECAI), 2014, pp. 55 - 60	IEEE Explore	2	10
8	C. Vertan, C. Florea, L. Florea, S. Badoiu: "On the performance of focus measures in infrared and near-infrared imagery", ISSCS 2015, 2015, Iași, Romania, 4 pag. DOI: 10.1109/ISSCS.2015.7203976	IEEE Explore	4	5
9	Ciprian Ionașcu, Corneliu Florea, Laura Florea, " Evaluation of Color Transfer and Denoising Methods for Motion Blur Prevention", ISSCS 2015, Iași, Romania, 4 pag. DOI: 10.1109/ISSCS.2015.7203958	IEEE Explore	3	6.667
10	Vasile Preda, Corneliu Florea, Andreea Sima, Laura Florea " Simple Head Pose Estimation in Still Images ", ISSCS 2015, Iași, Romania, DOI: 10.1109/ISSCS.2015.7203942	IEEE Explore	4	5
11	Raluca Boia, Corneliu Florea, Laura Florea, "Elliptical ASIFT Agglomeration in ClassPrototype for Logo Detection" la BMVC 2015, Swansea, UK, pp.115.1-115.12, ed. Xianghua Xie, Mark W. Jones, and Gary K. L. Tam, ISBN 1-901725-53-7-	Google Scholar	3	6.667
12	Alessandra Bandrabur, Laura Florea, Corneliu Florea, Matei Mancas "Emotion Identification by Facial Landmarks Dynamics Analysis" in. Proc. of ICCP 2015 Cluj-Napoca Romania, pp. 379-382.	IEEE Explore	4	5
12	TOTAL			74.001

5.1. Brevete de inventie acordate

1	Corneliu Florea, F. Albu, A. Zamfir, A. Drimborean "Handheld Article with Movement Discrimination" US Patent, No. US 7,773,118 Aug. 2010	0.5	4	8.75
2	F. Albu, A. Drimborean, A. Zamfir, Corneliu Florea, "Image processing method and apparatus", US Patent, No. US 7,995,855, Aug 2011	0.5	4	8.75
3	F. Albu, E. Steinberg, Corneliu Florea, A. Zamfir, P. Corcoran, V. Poenaru, "Image Processing Method and Apparatus" US Patent, No. 8,155,468, Apr. 2012	0.5	6	5.833
4	P. Corcoran, E. Steinberg, P. Bigioi, A. Drimborean, A. Zamfir, Corneliu Florea, "Image Processing Method and Apparatus", US Patent, No. US 8,169,486, May 2012	0.5	6	5.833
5	A. Drimborean, A. Zamfir, F. Albu, V. Poenaru, Corneliu Florea, P. Bigioi, E. Steinberg, P. Corcoran, "Low Light Video Frame Enhancement", US Patent, No. 8,199,222, Jun, 2012.	0.5	8	4.375
6	F. Albu, A. Drimborean, A. Zamfir, Corneliu Florea, P. Corcoran, "Adaptive PSF estimation technique using a sharp preview and a blurred image" US Patent, No. US 8,204,330. Jun. 2012	0.5	5	7
7	A. Drimborean, E. Steinberg, Corneliu Florea, P. Corcoran, F. Albu, A. Zamfir, V. Poenaru, "Adaptive PSF Estimation Technique Using a Sharp Preview and a Blurred Image" US Patent, No. US 8,208,746. Jun. 2012.	0.5	7	5
8	Corneliu Florea, F. Albu, A. Zamfir, A. Drimborean, "Handheld Article with Movement Discrimination" US Patent, No. US 8,212,882, Jul. 2013	0.5	4	8.75
9	M.Ciuc, A. Capata, V. Mocanu, A. Pososin, Corneliu Florea, P. Corcoran, "Automatic Face and Skin Beautification Using Face Detection" US Patent, No. 8,345,114, Jan, 2013.	0.5	6	5.833
10	F. Albu, A. Drimborean, A. Zamfir, Corneliu Florea, P. Corcoran, "Adaptive PSF Estimation Technique Using a Sharp Preview and a Blurred Image" US Patent, No. 8,351,726, Jan. 2013	0.5	5	7
11	M.Ciuc, A. Capata, V. Mocanu, A. Pososin, Corneliu Florea, P. Corcoran, "Automatic Face and Skin Beautification Using Face Detection" US Patent, 8,384,793, Feb, 2013	0.5	6	5.833
12	F. Albu, E. Steinberg, A. Drimborean, Corneliu Florea, A. Zamfir, P. Corcoran, V. Poenaru, "Image Processing Method and Apparatus" US Patent, No. 8,417,055, Apr, 2013.	0.5	7	5
13	P. Corcoran, E. Steinberg, P. Bigioi, A. Drimborean, A. Zamfir, Corneliu Florea, "Image Processing Method and Apparatus", US Patent, No. US 8,520,082, Aug 2013	0.5	6	5.833
14	M.Ciuc, A. Capata, Corneliu Florea, "Eye Beautification" US Patent No. US 8,520,089 Aug. 2013	0.5	3	11.667
15	F. Albu, E. Steinberg, P. Corcoran, A. Drimborean, A. Zamfir, Corneliu Florea, V. Poenaru, "Image processing method and apparatus", US Patent, No. US 8,649,627, Feb 2014	0.5	7	5
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17	M. Ciuc, A. Capata, V. Mocanu, A. Pososin, Corneliu Florea, P. Corcoran, "Automatic face and skin beautification using face detection" US Patent, No. US 8,681,241, Mar 2014,	0.5	6	5.833
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19	F. Albu, E. Steinberg, A. Drimborean, Corneliu Florea, A. Zamfir, P. Corcoran, V. Poenaru, "Image processing method and apparatus" US Patent, No. US 8,737,766 May. 2014	0.5	7	5
20	M. Ciuc, A. Capata, V. Mocanu, A. Pososin, Corneliu Florea, P. Corcoran, "Automatic face and skin beautification using face detection" US Patent, No. US 8,902,326, Dec. 2014,	0.5	6	5.833
21	M. Ciuc, A. Capata, V. Mocanu, A. Pososin, Corneliu Florea, P. Corcoran, "Automatic face and skin beautification using face detection" US Patent, No. US 9,007,480, Apr. 2015,	0.5	6	5.833

22	R. Vranceanu, R. Condorovici, F. Coleca, Corneliu Florea , "Dyanmic range extension by combining differently exposed hand-held device acquired images", US No. . US. 9,019,402 April 2015	0.5	4	8.75
23	Corneliu Florea , C. Stan, M. Ciuc, A. Capata "Eye Beautification Under Inaccurate Localization" U.S.No. 9,053,524, June 2015	0.5	4	8.75
24	F. Albu, Corneliu Florea , A. Zamfir, A Drimbarean, P. Corcoran, "Fast Motion Estimation Method" US Patent, No. US 9,160,897, Oct. 2015	0.5	5	7
Subtotal		12		158.831
5.2. Cereri de brevete de inventie				
1	P. Bigioi, A. Pososin, M. Gangea, S. Petrescu, P. Corcoran, A. Drimabarean, A. Zamfir, Corneliu Florea "Digital Camera with an Image Processor", US No. 2013,0,010,138	0.5	8	4.375
2	P. Corcoran, P. Bigioi, A. Drimbarean, A. Zamfir, Corneliu Florea "Image Acquisition Method and Apparatus with MEMS Optical Image Stabilization" 2013 891,417	0.5	5	7
26	Total	13		170.206

1. Lista granturi / proiecte castigate prin competiție in care am participat.

Nr.crt	Granturi / proiecte câștigate prin competiție – responsabil/director	Pozitia	Nr. ani	Punctaj
1	„Tehnologie de stabilizare pentru înlăturarea blurului absolut și dinamic datorat mișcării camerei foto pe durata achiziției (SteadyCAM)”, PN-II-PT-PCCA-2013-4-0579 (Nr. UEFISCDI 18/2014, Nr UPB EL10.14.03) responsabil UPB, Corneliu Florea . Partener coordonator Fotonation Romania SRL, Director de proiect Ing. Adrian Zamfir. Durata 2015- 2017. Listat la http://uefiscdi.gov.ro/userfiles/file/PARTENERIATE/Pagina%20WEB/PCCA-2013-Proiecte%20cu%20pagini%20web.pdf , proiect 18.	Responsabil	3	30
2	"Analiza și descrierea perceptuală a artei vizuale românești" (PANDORA), PN-II-RU-TE-2014-4-0733, (Nr. UEFISCDI 253/2015, Nr UPB EL10.15.02) director proiect Corneliu Florea . Durata 2015-2017. Listat la http://uefiscdi.gov.ro/userfiles/file/PN%20II_RU_TE%202014/REZULTATE%20FINALE_PROIECTE%20ACCEPTATE%20LA%20FINANTARE/RUTE_2014_Lista%20proiecte%20acceptate%20la%20finantare_St%20ingineresti.pdf , proiect 15	Director	3	30
Granturi / proiecte internaționale câștigate prin competiție				
3	"Action Recognition and Tracking based on Time-of-Flight Sensors - ARTTS", European Project FP6-2005-IST-5-034107, 2006-2009, director UPB Prof. Dr. Ing. V. Buzuloiu	Membru	3	12
4	"Gaze-based Communication - GazeCom", European Project FP6-2005-IST-5-033816, 2006-2009, director UPB Prof. Dr. Ing. V. Buzuloiu.	Membru	3	12
5	"Experimentul ATLAS la LHC: inceputul achiziției de date", 110-09-03, director UPB Prof. Dr. Ing. V. Buzuloiu	Membru	1	4
Granturi / proiecte naționale câștigate prin competiție				
6	"Sistem de analiza digitală a imaginilor radiologice pentru urmărirea protezelor ortopedice" (SADIRUPO), Grant CEEEX 69/2006, UPB number 17-06-14, coordonator UPB, director Prof. Dr. Ing. C. Vertan	Membru	3	6
7	"Modelul cancerului canin utilizat ca pretrial clinic pentru oncologia umană" (PRECLIN), 51-021.2/2007, EL10-07-15, beneficiar Inst. Ocologic București/ CNMP	Membru	2	4
8	„Sistem intergat pentru asistenta in timpul real a actului chirurgical prin reconstituirea tridimensională a imagisticii și sincronizarea redării prin comenzi vocale”- Contract PNCDI2 Parteneriate 12-136/2008, numar UPB EL 10-08-09, coordonator UMF "Carol Davila" Bucuresti, director de proiect, prof.dr. Florian Popa; responsabil UPB Prof. Dr. Ing C. Vertan.	Membru	3	6
9	POS-DRU ITEMS, "Tehnici de Analiză, Modelare și Simulare pentru Imagistică, Bioinformatică și Sisteme Complexe", FSE - European Structural Funds POS-DRU, coordonator Universitatea Politehnica din București (Prof. Vasile Buzuloiu, Prof. Mihai Ciuc), ID61756 (http://www.master-items.ro/) 2010-2013;	Membru / Expert	3	6

10	POS-DRU PROMISE, "An Integrated Master's Degree Programme in the Fields of Sound, Image and Multimedia Engineering", FSE - European Structural Funds POS DRU, coordonator Universitatea Politehnica din București (Prof. Cristian Negrescu), ID61178 (http://promise.pub.ro/) 2010-2013;	Membru / Expert	3	6
11	„Evaluarea arsurilor prin imagistică multispectrală – BAMSİ” PNCDI2 Parteneriate contract 135/2014 (PN-II-PT-PCCA-2013-4-0357), Nr UPB EL10.14.02 responsabil UPB prof. Dr. Ing. C-tin Vertan	Membru	3	6
Total				122

		Nr. Autori	Punctaj
1. Citări în cărți, reviste si volume ale unor manifestaristiintifice indexate ISI (A.3.1.1)			
Corneliu Florea , Constantin Vertan "Dynamic Range Enhancement in Digital Camera Acquisition of Prostheses Hip Xrays" in Proc. Ia ISSCS 2007, Iasi, Romania, July 2007, vol. 1, pp. 1-4. WOS:000250471700051			
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1	Hodge, A.M "Overview of IEEE research in biomedical circuits and systems" 2009 IEEE/NIH Life Science Systems and Applications Workshop, LiSSA 2009 , Pages: 17-20, WOS:000268062300005	2	4
Subtotal		4	
Articol citat:			
Constantin Vertan, Alina Oprea, Corneliu Florea , Laura Florea: "A Pseudo-Logarithmic Image Processing Framework for Edge Detection", ACIVS, vol. 5259, pp. 637-644, Juan-les-Pins, France, 2008			
Citāt in			
2	L. Navarro,G. Courbebaisse, M. Jourlin, „Logarithmic Wavelets” Advances in Imaging and Electron Physics, vol 183, pp. 41-98, 2014. WOS:000334129400002 ; IF=0.582	4	2
3	L. Navarro,G. Deng, G. Courbebaisse „The symmetric logarithmic image processing model” <i>Digital Signal Processing</i> Vol 23, Iss. 5 Pages: 1337-1343, 2013; WOS:000323855500001 ; (IF=1.495)	4	2
4	G. Deng, „Parametric Generalized Linear System Based on the Notion of the t-Norm” <i>IEEE Transactions on Image processing</i> Vol 22(7), Pages. 2903-2910, 2013, WOS:000321924600031 ; (IF=3.111)	4	2
5	H. Jiang, X. Gao, R. Feng, et al."A Survey on Current Theory and Application of General Linear Image Processing", <i>Journal of Pure and Applied Microbiology</i> , Vol. 7, Pp.: 389-396 , 2013 WOS:000322682600057 ; (IF=0.073)	4	2
6	S. Nercessian, K. Panetta, S. Agaian, „Multiresolution Decomposition Schemes Using the Parameterized Logarithmic Image Processing Model with Application to Image Fusion”, <i>EURASIP Journal on Advances in Signal Processing</i> , Article Number: 515084 DOI: 10.1155/2011/515084, 2011 WOS:000286239800001 ; (IF=0. 808)	4	2
7	K. Panetta, S. Agaian, Z. Yicong, E.J. Wharton. „Parameterized Logarithmic Framework for Image Enhancement ” <i>IEEE Transactions on Systems, Man, and Cybernetics, Part B: Cybernetics</i> , Vol.41(2), 2011,Page(s): 460 – 473; WOS:000295015304024 ; (IF= 3.236)	4	2
8	M. Jourlin, M. Carre, J. Breugnot; et al “ Logarithmic Image Processing: Additive Contrast, Multiplicative Contrast, and Associated Metrics”in <i>Advances in Imaging and Electron Physics</i> , Vol. 171 Pages: 357-406 DOI: 10.1016/B978-0-12-394297-5.00007-6 , 2012 WOS:000306816500007 ; (IF= 0.582)	4	2
9	F. Ren,B. Li, Q. Chen„Single Parameter Logarithmic Image Processing for Edge Detection” <i>IEICE Transaction on Information and Systems</i> , Vol.E96D(11) Pages: 2437-2449, 2013; WOS:000327168600014 (IF=0.245)	4	2
10	S. Nercessian, K. Panetta, S. Agaian „Pixel and Region-Based Image Fusion Using the Parameterized Logarithmic Stationary Wavelet Transform” Edited by: Akopian, D; Creutzburg, R; Snoek, CGM; et al. Proc. of Conference: Conference on Multimedia on Mobile Devices and Multimedia Content Access - Algorithms and Systems V, 2011 WOS:000297561800025	4	2

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12	S. Nercessian, K. Panetta, S. Agaian, „An Edge-Based Approach to Image Fusion of Images via Reconstruction Estimation” in Proc IEEE Conference on Technologies for Homeland Security, Waltham, 2009; WOS:000273959900082	4	2
13	Gang Jun Tua, Henrik Karstoft “Logarithmic dyadic wavelet transform with its applications in edge detection and reconstruction”, Applied Soft Computing Volume 26, January 2015, Pages 193–201 (IF=2.679) WOS:000345517500014	4	2
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Citat in:			
14	K. Panetta, S. Agaian, Z. Yicong, E.J. Wharton. „Parameterized Logarithmic Framework for Image Enhancement ” <i>IEEE Transactions on Systems, Man, and Cybernetics, Part B: Cybernetics</i> , Vol.41(2), 2011, Page(s): 460 – 473; WOS:000295015304024; (IF= 3.236)	3	2.67
15	M. Jourlin, J. Breugnot, F. Itthirad, M. Bouabdellah, B. Closs “Logarithmic Image Processing for Color Images” <i>Advances in Imaging and Electron Physics</i> -, vol. 168, pp. 65-107, 2011 WOS:000293861800002; (IF= 0.582)	3	2.67
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20	A. Tanács, J. Lindblad, N. Sladoje, Z. Kato, ” Estimation of linear deformations of 2D and 3D fuzzy objects”, <i>Pattern Recognition</i> Vol. 48, Iss. 4, April 2015, Pages 1391–1403 WOS:000348880300031	3	2.67
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21	L. Navarro, G. Deng, G. Courbebaisse „The symmetric logarithmic image processing model” <i>Digital Signal Processing</i> Vol 23, Iss. 5 Pages: 1337-1343 DOI: 10.1016/j.dsp.2013.07.001 Sep 2013 WOS:000323855500001; IF=1.495	4	2
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23	I. Andorko, P. Corcoran, P. Bigioi, „Proposal of a Universal Test Scene for Depth Map Evaluation, IEEE International Conference on Consumer Electronics (ICCE), Las Vegas, 2013, Pages: 151-152 Published: 2013 WOS:000318797800068	4	2
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24	Wang, Wenhan; Zhang, Biao „An Improved Visual Enhancement Method for Color Images”, 5th International Conference on Digital Image Processing (ICDIP) 2013 (ICDIP 2013) Proceedings of SPIE, Volume: 8878 Article Number: 88780C 2013 WOS:000328500600012	4	2
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25	M. Rizzi, M. D’Aloia, B. Castagnolo „Health Care CAD Systems for Breast Microcalcification Cluster Detection” <i>Journal of Medical and Biological Engineering</i> , Vol 32, No 3 (2012) WOS:000305902900001; IF= 1.076	4	2
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26	M. Nuutinen, O. Orenius, T. Saamanen, et al. „Potential of face area data for predicting sharpness of natural images” in Conference on the Image Quality and System Performance VIII , Proceedings of SPIE Volume: 7867 Article Number: 786710 Published: 2011, WOS:000291692500035	3	2.67
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28	Albu, Felix; Kwan, H. K."New proportionate affine projection sign algorithms" IEEE International Symposium on Circuits and Systems (ISCAS) Beijing, CHINA 2013 Pages: 521-524 WOS:000332006800129	4	2
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29	S. Thavalengal, P. Corcoran, " A Practical Challenge for Iris Authentication on Handheld Imaging Devices " : IEEE International Conference on Consumer Electronics (ICCE) Pages: 606-607 Published: 2015, WOS:000371904100253	4	2
30	Liang, LY; Liu, D; Jin, LW "FaceMore: A Face Beautification Platform on the Cloud", IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN AND CYBERNETICS (SMC 2015): BIG DATA ANALYTICS FOR HUMAN-CENTRIC SYSTEMS, 1798-1803, 2015 WOS:000368940201147	4	2
31	Liang, LY; Jin, LW ; Li, XL "Facial Skin Beautification Using Adaptive Region-Aware Masks", IEEE TRANSACTIONS ON CYBERNETICS, Vol: 44, Iss: 12, Pp: 2600-2612 , WOS:000345629000029	4	2
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33	Ungurean, Ioan; Gaitan, Nicoleta-Cristina „Speech analysis for medical predictions based on cell broadband engine" in Proc of : 20th European Signal Processing Conference (EUSIPCO) Bucharest, Romania 2012 Pages: 1733-1736 ; WOS:000310623800348	4	2
34	Belean, Bogdan and Terebes, Romulus and Bot, Adrian "Low-complexity PDE-based approach for automatic microarray image processing", , Medical & Biological Engineering & Computing, pp 1-12, Springer Berlin Heidelberg, 2014, WOS:000310623800348 (IF=1.5)	4	2

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36	Chun-tong Liu, Zhen-xin He, Ying Zhan, Hong-cai Li, "Searching algorithm of theodolite auto-focusing based on compound focal judgment" EURASIP Journal on Wireless Communications and Networking (EURASIP JWCN), 2014, (WOS:000347399900001)	2	4
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38	Dogaru, I.; Dogaru, R."JLCNN: An object-oriented Java package for low complexity neural networks" Electrical and Electronics Engineering (ISEEE), 2013 4th International Symposium on Date of Conference: 11-13 Oct. 2013 Page(s):1 – 6 WOS:000335153400011	4	2
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Subtotal		4	
<i>Articol citat:</i>			
M. Ciuc, A. Capata, V. Mocanu, A. Pososin, C.Florea , P. Corcoran, "Automatic face and skin beautification using face detection” US Patent, No. US 8,681,241, Mar 2014,			
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43	Lingyu Liang ; Lianwen Jin ; Xuelong Li „Facial Skin Beautification Using Adaptive Region-Aware Masks”, IEEE Transactions on Cybernetics Vol:44(12), pp. 2600 – 2612 (IF=3.236) 2014, WOS:000345629000029	6	1.34
44	I.Andorko, P. Corcoran, P. Bigioi, „Proposal of a Universal Test Scene for Depth Map Evaluation” IEEE Transactions on Consumer Electronics, Vol 59(2) Pages: 385-390 2013; WOS:000320666400014 ; (IF=1.157)	6	1.34
Subtotal		2.68	
<i>Articol citat:</i>			
M.Ciuc, A. Capata, C. Florea „Eye Beautification” US Patent No. US 8,520,089 Aug. 2013			
Citat in:			
45	Lingyu Liang ; Lianwen Jin ; Xuelong Li „Facial Skin Beautification Using Adaptive Region-Aware Masks”, IEEE Transactions on Cybernetics Vol:44(12), pp. 2600 – 2612 (IF=3.236) 2014, WOS:000345629000029	3	2.67
Subtotal		2.67	
TOTAL		105.38	

2. Citări în cărți, reviste și volume ale unor manifestări științifice indexate BDI (A.3.1.2)			
Articol citat:			
Corneliu Florea, Constantin Vertan, Laura Florea: "Logarithmic Model-based Dynamic Range Enhancement of Hip Xray Images", ACIVS, vol. LNCS 4678, Eds. J. Blanc-Talon et al, pp. 587-596, Delft, Netherlands, 2007.			
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2	N. Sladoje and J. Lindblad. The coverage model and its use in image processing. Book chapter in: Selected Topics on Image Processing and Cryptology (Ed. Miodrag Mihajević), Zbornik radova (Collection of Papers), No 15(23), pp. 39-117, Mathematical Institute of the Serbian Academy of Sciences and Arts, Belgrade, 2012. ISSN: 0351-9406, ISBN: 978-86-80593-47-0 (Google scholar).	3	1.334
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<i>Subtotal</i>		1	

TOTAL

26.33

Membru în colectivele de redacție sau comitete științifice al revistelor, organizator de manifestări științifice, internaționale indexate ISI – A3.3.1

Nr. Crt.	Descriere	Punctaj
1	Recenzor IET Image Processing	10
2	Recenzor EURASIP Journal on Image and Video Processing	10
3	Recenzor Pattern Recognition Letters	10
4	Recenzor Machine Vision Applications	10
5	Recenzor International Journal of Applied Mathematics in Computer Science	10
6	Recenzor Journal of Image and Vision Computing	10
7	Recenzor International Journal of Computers Communications & Control	10
8	Recenzor Pattern Recognition	10
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