



AVIZ INDEPLINIRE STANDARDE MINIMALE

In urma analizei dosarului de concurs depus de candidatul BREHAR RALUCA DIDONA pentru postul **Conferentiar 40** din Statul de functii al Departamentului de CALCULATOARE.

Comisia de verificare apreciaza ca ~~SUNT/NU~~ **SUNT** indeplinite standardele minimale pentru participarea la concurs.

Motivatie (*doar in cazul in care nu sunt indeplinite standardele minimale*)

Comisia de verificare

Prof.dr.ing. Mihaela Dinsoreanu

Prof.dr.ing. Eva Dulf

Conf.dr.mat. Daniela Inoan

Fisa de verificare a standardelor minimale stabilite prin OM 6129 / 2016

Candidat **Ș.I. dr. ing. Raluca Didona Brehar**
Domeniul **Calculatoare si Tehnologia Informatiei**

Nr. Crt	Domeniul activ.	Categoriile si restrictiile	Subcategoriile	Indicatorii (kpi)	Numar	Punctaj
0	1	2	3	5	6	7
1	Activitatea didactica si profesionala (A1)	Carti de autor sau capitole [1] de specialitate in edituri cu ISBN	A1.1.1 internationale	50 sau 100 / nr. autori	0	0
		Material didactic / lucrari didactice publicate la edituri cu ISBN	A1.1.2 nationale	50 / nr. autori	1	50
			A1.2.1	40 / nr. autori	2	10.15
Total punctaj (A1)						60.15

2	Activitatea de cercetare (A2)	Articole in reviste cotate ISI si lucrari in volumele unor manifestari stiintifice indexate ISI	A2.1	(25+ 30 * factor impact(3)) / nr. de autori	17	184.95
		Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI) [4]	A2.2	20 / nr. de autori	14	77.02
		Proprietate intelectuala, brevete de inventie, certificate ORDA	A2.3.1 internationale	35 / nr. de autori	0	0.00
			A2.3.2 nationale	25 / nr. de autori	0	0.00
		Granturi/proiecte de cercetare castigate prin competitie [6] sau contracte cu agenti economici in valoare de minim 10.000 dolari USA echivalent incasati [6]	A2.4.1.1 internationale	20 * ani de desfasurare	0	0.00
			A2.4.1.2 nationale	10 * ani de desfasurare	1	10.00
			A2.4.2.1 internationale	4 * ani de desfasurare	9	64.00
			A2.4.2.2 nationale	2 * ani de desfasurare	10	52.00
Total punctaj (A2)						387.97

3	Recunoasterea si impactul activitatii (A3)	Citari [7] in carti, reviste si volume ale unor manifestari stiintifice	A3.1.1 carti, ISI [8]	8 / nr aut art. citat	62	223.59
		Membru in colectivele de redactie sau comitetele stiintifice ale revistelor indexate ISI, chiri, co-chair sau membru in comitetele de organizare ale manifestarilor stiintifice internationale indexate ISI [9]	A3.1.2 BDI [4]	4 / nr aut art. citat	48	58.50
		Membru in colectivele de redactie sau comitetele stiintifice ale revistelor indexate BDI, chiri, co-chair sau membru in comitetele de organizare ale manifestarilor stiintifice internationale indexate BDI [4]	A.3.2	10	5	50.00
		Premii in domeniu conferite de Academia Romana, ASTR, AOSR, sau premii internationale de prestigiu	A3.3	6	0	0.00
			A3.4	15	0	0.00
Total punctaj (A3)						332.09

Conditii minimele A1		Necesar Conferentiar	Realizat
Nr.	Domeniu de activitate (A)		
A1	Activitatea didactica / profesionala (A1)	50	60.15
A2	Activitatea de cercetare (A2)	300	387.97
A3	Recunoasterea Impactului activitatii (A3)	50	332.09
Total (A)		400	780.21

Baza de date	H-index
Web of Science	3
Scopus	5
Google Scholar	8
Scor H-index	4.6

Conditii minimele obligatorii pe subcategorii		Necesar Conferentiar	Realizat
A1.1.1 - A1.1.2	Carti de specialitate	1 carte / capitol	1
A2.1	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	6 (1 art.ISI cotat sau Q2 [11])	17 (1 art.ISI Q1)
A2.4.1	Granturi / proiecte de cercetare castigate prin competitie (Director / Responsabil Partener)	1	1
A3.1.1	Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI (WOS) [12]	10	62
	Factor de impact ISI cumulat pentru publicatii [13]	4	7.275

Candidat

Ș.I. dr. ing. Raluca Didona Brehar



Vizat Director Departament,
Prof. Dr. Ing. Rodica Potolea

Vizat Decan,
Prof. Dr. Ing. Liviu Miclea

Anexa: datele pentru calculul indeplinirii criteriilor A1.1.1, A1.1.2, A1.2.1

A1.1.1 - Carti, monografii, capitole ca autor - internationale

Nr.	Autori	Nr. Autori	Titlu capitol / carte	Editura	Anul	Punctaj
1						0
Total carti internationale						0

A1.1.2 - Carti, monografii, capitole ca autor - nationale

Nr.	Autori	Nr. Autori	Titlu capitol / carte	Editura	Anul	Punctaj
1	Raluca Didona Brehar	1	Contributions to Feature Based Pedestrian Detection Methods in Visible and Infrared Monocular Images	UTPRESS	2020	50
2						0
Total carti nationale						50

A1.2.1. Manuale didactice

Nr.	Autori	Nr. Autori	Titlu	Editura	Anul	Punctaj
1	S. Nedevschi, T. Marita, R. Dănescu, F. Oniga, R. Brehar, I. Giosan, C. Vicaș	7	Procesarea imaginilor - Indrumator de laborator, ISBN 978-973-662-796-5	UTPRESS	2013	5.71
2	S. Nedevschi, T. Marita, R. Dănescu, F. Oniga, R. Brehar, I. Giosan, S. Bota, A. Ciurte, A. Vatavu	9	Image Processing - Laboratory Guide, ISBN 978-606-737-137-6 https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/137-6.pdf	UTPRESS	2016	4.44
Total materiale didactice						10.15

Anexa: datele pentru calculul indeplinirii criteriilor A2.1, A2.2

25 + 30*
factor
impact / nr.
Autori

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

Nr.	Autori	Titlu lucrare / revista (conferinta)	Factor de impact	Nr. Autori	Punctaj
1	Brehar, R. Vancea, F., Marita, T, Vancea, C.C., Nedevschi, S.	Object Detection in Monocular Infrared Images Using Classification - Regression Deep Learning Architectures, in 2019 IEEE 15TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING (ICCP 2019), pp. 207-212;2019	0.25	5	6.50
2	R. Brehar, D. Mitrea, S. Nedevschi, M. Platon Lupsor, M. Rotaru and R. Badea	Hepatocellular Carcinoma Recognition in Ultrasound Images Using Textural Descriptors and Classical Machine Learning, in 2019 IEEE 15th International Conference on Intelligent Computer Communication and Processing (ICCP 2019), Cluj-Napoca, Romania, 2019, pp. 491-497, doi: 10.1109/ICCP48234.2019.8959755.	0.25	6	5.42
3	Brehar R, Mitrea D.A, Vancea F, Marita T, Nedevschi S, Lupsor M, Rotaru M, Badea Rl.	Comparison of Deep-Learning and Conventional Machine-Learning Methods for the Automatic Recognition of the Hepatocellular Carcinoma Areas from Ultrasound Images, Sensors. 2020; 20(11):3085	3.275	8	15.41
		"The Role of Convolutional Neural Networks in the Automatic Recognition of the Hepatocellular Carcinoma, Based on Ultrasound Images", 2018 6TH INTERNATIONAL CONFERENCE ON ADVANCEMENTS OF MEDICINE AND HEALTH CARE THROUGH TECHNOLOGY, MEDITECH 2018, OCT 17-20, 2018, Cluj-Napoca, Romania, Volume: 7,1, Pages: 169-175, DOI: 10.1007/978-981-13-6207-1_27	0.25	6	5.42
3	R. Brehar, F. Vancea, T. Marița and S. Nedevschi,	A Deep Learning Approach For Pedestrian Segmentation In Infrared Images," 2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, 2018, pp. 253-258, doi: 10.1109/ICCP.2018.8516630.	0.25	4	8.13
4	R. Brehar, C. Vancea, F. Oniga, M. Negru and S. Nedevschi	"A study of the impact of HOG and LBP based temporal association on far infrared pedestrian detection," 2016 IEEE 12th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, 2016, pp. 263-268, doi: 10.1109/ICCP.2016.7737157.	0.25	5	6.50
5	R. Brehar, C. Vancea, T. Marița, I. Giosan and S. Nedevschi,	"Pedestrian detection in the context of multiple-sensor data alignment for far-infrared and stereo vision sensors," 2015 IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, 2015, pp. 385-392, doi: 10.1109/ICCP.2015.7312690.	0.25	5	6.50
6	Muresan, Mircea Paul; Brehar, Raluca; Nedevschi, Sergiu	Vision algorithms and embedded solution for pedestrian detection with far infrared camera," 2014 IEEE 10th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj Napoca, 2014, pp. 133-136, doi: 10.1109/ICCP.2014.6936965.	0.25	3	10.83
7	Brehar, Raluca; Nedevschi, Sergiu	Scan window based pedestrian recognition methods improvement by search space and scale reduction," 2014 IEEE Intelligent Vehicles Symposium Proceedings, Dearborn, MI, 2014, pp. 529-534, doi: 10.1109/IVS.2014.6856571.	0.25	2	16.25
8	Brehar, Raluca; Nedevschi, Sergiu	"Pedestrian detection in infrared images using HOG, LBP, gradient magnitude and intensity feature channels," 17th International IEEE Conference on Intelligent Transportation Systems (ITSC), Qingdao, 2014, pp. 1669-1674, doi: 10.1109/ITSC.2014.6957933.	0.25	2	16.25
9	Brehar, Raluca; Vancea, Cristian; Nedevschi, Sergiu	"Pedestrian detection in infrared images using Aggregated Channel Features," 2014 IEEE 10th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj Napoca, 2014, pp. 127-132, doi: 10.1109/ICCP.2014.6936964.	0.25	3	10.83
10	Brehar, Raluca; Nedevschi, Sergiu	"Pedestrian detection in traffic scenes using multi-attitude classifiers," 16th International IEEE Conference on Intelligent Transportation Systems (ITSC 2013), The Hague, 2013, pp. 1077-1082, doi: 10.1109/ITSC.2013.6728375.	0.25	2	16.25
11	I. Toma, M. Chezan, R. Brehar, S. Nedevschi and D. Fensel,	"SIM, a Semantic Instrumentation and Monitoring Solution for Large Scale Reasoning Systems," 2011 IEEE Fifth International Conference on Semantic Computing, Palo Alto, CA, 2011, pp. 118-124, doi: 10.1109/ICSC.2011.49.	0.25	5	6.50

12	R. Borca-Muresan (cas.Brehar), S. Nedevschi,	"Correlation between features and classifiers for semantic understanding of pedestrian attitudes in traffic scenes," 2009 IEEE 5th International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, 2009, pp. 149-152, doi: 10.1109/ICCP.2009.5284770	0.25	2	16.25
13	R. Borca-Muresan (cas.Brehar), S. Nedevschi, F. Maguran	"Mixtures of Classifiers for Recognizing Standing and Running Pedestrians", 2009, Lecture Notes in Computer Science Volume: 5337, Pages: 345-355, Published: 2009, publisher: Springer Berlin Heidelberg.	0.25	3	10.83
14	Barbantian, I., Vidrighin, C., Borca, R. (cas. Brehar)	An offline system for handwritten signature recognition (2009) Proceedings - 2009 IEEE 5th International Conference on Intelligent Computer Communication and Processing, ICCP 2009, art. no. 5284793, pp. 3-10.	0.25	3	10.83
15	Borca Muresan, R. (cas. Brehar), Nedevschi, S.	Meta-classifier for pedestrian attitude recognition (2008) Proceedings - 2008 IEEE 4th International Conference on Intelligent Computer Communication and Processing, ICCP 2008, art. no. 4648351, pp. 33-40.	0.25	2	16.25

Factor impact cumulativ 7.275

Total punctaj A2.1

17 184.95

A2.2. Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI) 20 / nr. de autori

Nr.	Autori	Titlu lucrare / revista (conferinta)	Baza de date	Nr. Autori	Punctaj
1	Cosma, C., Brehar, R., Nedevschi, S.	Pedestrians detection using a cascade of LBP and HOG classifiers, in Proceedings - 2013 IEEE 9th International Conference on Intelligent Computer Communication and Processing, ICCP 2013, art. no. 6646084, pp. 69-75.	Scopus	3	6.67
2	Tomasev, N., Pracner, D., Brehar, R., Radovanovic, M., Mladenic, D., Ivanovic, M., Nedevschi, S.	Object recognition in wikimage data based on local invariant image features (2013) Proceedings - 2013 IEEE 9th International Conference on Intelligent Computer Communication and Processing, ICCP 2013, art. no. 6646097, pp. 139-146.	Scopus	7	2.86
3	Cosma, A.C., Brehar, R., Nedevschi, S.	Part-based pedestrian detection using HoG features and vertical symmetry (2012) Proceedings - 2012 IEEE 8th International Conference on Intelligent Computer Communication and Processing, ICCP 2012, art. no. 6356190, pp. 229-236.	Scopus	3	6.67
4	Fensel, D., Brehar, R., Nedevschi, S.	Instrumenting and monitoring the LarkC research infrastructure (2011) 2011 IST-Africa Conference Proceedings, IST 2011, art. no. 6107361	Scopus	5	4.00
5	Toma, I., Chezan, M., Brehar, R., Nedevschi, S., Fensel, D.	SIM, a Semantic Instrumentation and Monitoring solution for large scale reasoning systems (2011) Proceedings - 5th IEEE International Conference on Semantic Computing, ICSC 2011, art. no. 6061420, pp. 118-124.	Scopus	5	4.00
6	Brehar, R., Nedevschi, S.	A comparative study of pedestrian detection methods using classical Haar and HoG features versus bag of words model computed from Haar and HoG features (2011) Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, art. no. 6047884, pp. 299-306.	Scopus	2	10.00
7	Tomasev, N., Brehar, R., Mladenic, D., Nedevschi, S.	The influence of hubness on nearest-neighbor methods in object recognition (2011) Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, art. no. 6047899, pp. 367-374.	Scopus	4	5.00
8	Brehar, R., Giosan, I., Vatavu, A., Negru, M., Nedevschi, S.	Modeling the behavior of large scale reasoning systems using clustering and regression (2011) Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, art. no. 6047863, pp. 163-169.	Scopus	5	4.00
9	Toma, I., Chezan, M., Brehar, R., Nedevschi, S., Fensel, D.	SIM, a semantic instrumentation and monitoring solution for large scale reasoning systems (2011) Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, art. no. 6047861, pp. 151-156.	Scopus	5	4.00
10	Brehar, R., Fortuna, C., Bota, S., Mladenic, D., Nedevschi, S.	Spatio-temporal reasoning for traffic scene understanding (2011) Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, art. no. 6047901, pp. 377-384.	Scopus	5	4.00

11	Brehar, R., Nedevschi, S., Dăian, L.	Pillars detection for side viewed vehicles (2010) Proceedings - 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing, ICCP10, art. no. 5606430, pp. 247-250.	Scopus	3	6.67
12	A. Marginean, R. Brehar and M. Negru	"Understanding pedestrian behaviour with pose estimation and recurrent networks," 2019 6th International Symposium on Electrical and Electronics Engineering (ISEEE), Galati, Romania, 2019, pp. 1-6, doi: 10.1109/ISEEE48094.2019.9136126.	Google Scholar	3	6.67
13	DELI MITREA, SERGIU NEDEVSCHI, Paulina MITREA, Raluca BREHAR, Flaviu I VANCEA, Monica PLATON(LUPSOR), Horia STEFĂNESCU, Radu RADEA	"Advanced texture analysis and classification methods for the automatic diagnosis of the Hepatocellular Carcinoma", Applied Mathematics and Informatics, Vol 41 No Suppl. 1 (2019): RoMedInf2019, Section: Special Issue - RoMedInf2019, Pages: 17-18	Google Scholar	8	2.50
14	R. Brehar, S. Nedevschi	"Localization and detection of pedestrians in infrared traffic scenes", in Automation, Computers, Applied Mathematics (ACAM), vol. 21, no. 2, pp. 161-168, 2012.	Google Scholar	2	10.00
					0.00
				14	77.02

Total punctaj A2.2

Anexa: datele pentru calculul indeplinirii criteriilor A2.3.1, A2.3.2

A2.3.1 Proprietate intelectuală, brevete de invenție, certificate ORDA - Internationale - Punctaj: 35 / nr. Autori 35 / nr. de autori

Nr.	Tip	Denumire	Anul	Nr. Autori	Punctaj
				0	0

Total punctaj A2.3.1

A2.3.2 Proprietate intelectuală, brevete de invenție, certificate ORDA - nationale - Punctaj: 25 / nr. Autori 25 / nr. de autori

Nr.	Tip	Denumire	Anul	Nr. Autori	Punctaj
				0	0

Total punctaj A2.3.2

Anexa: datele pentru calculul indeplinirii criteriilor A2.4.1.1, A2.4.1.2, A2.4.2.1, A2.4.2.2

A2.4.1.1 Granturi/proiecte castigate prin competitie: Director Project - Internationale

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
				0	0
Total punctaj A2.4.1.1				0	0

20 * Nr. Ani

A2.4.1.2 Granturi/proiecte castigate prin competitie: Director Project - nationale

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	National	"Detectia obiectelor in imagini monoculare termale FIR pentru Viziune pe timp de noapte", GnaC 2018 ARUT - (2019-2020)	2019-2020	1	10
Total punctaj A2.4.1.2				1	10

10 * Nr. Ani

A2.4.2.1 Granturi/proiecte castigate prin competitie: membru in echipa - Internationale

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	International	DESPED - Stereo-Based Object Tracking and Pedestrian Recognition in Traffic environments research project funded by Volkswagen AG, Germany	2007	1	4
2	International	DESBOR - Dense Stereo-Based Object Recognition system for automatic cruise control (ACC) in urban traffic environments research project funded by Volkswagen AG, Germany	2007	1	4
3	International	VAS (2007) - Vidavee Analytics System, 2007.	2007	1	4
	International	Understanding Human Behavior for Video Surveillance Applications - Bilateral Collaboration Project with ISJ	2010-2011	2	8
4	International	INTERSAFE-2 (2008-2011), "Cooperative Intersection Safety", European FP7 project	2008-2011	3	12
5	International	LarKC - LarKC: The Large Knowledge Collider, European FP7 project	2010-2011	1	4
6	International	Pan-Robots, "Plug and Navigate ROBOTS for smart factories", European FP7 project	2012-2015	3	12
7	International	CoMoSeF (2012-2015) - Co-operative Mobility Services of the Future, Celtic Plus European project	2012-2015	3	12
8	International	BOSCH (2015 - 2016) Image processing based on stereo and mono cameras for Driver Assistance Systems, research project funded by Robert Bosch GmbH	2015-2016	1	4
Total punctaj A2.4.2.1				9	64

4 * Nr. Ani

A2.4.2.2 Granturi/proiecte castigate prin competitie: membru in echipa - nationale

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	National	SmartCoDrive, "Cooperative Advanced Driving Assistance System Based on Smart Mobile Platforms and Road Side Units", Joint Applied Research Project	2012-2015	3	6
2	National	"Sistem Intelligent de Detectare și Evaluare Neinvazivă a Fibrozei, Restructurării și a Nodurilor Displazice ai Ficatului cu ajutorul Ultrasonografiei 2D/3D și a Markerilor Moleculari - SİDEF", Program CEEEX, Contract nr. 71/2006	2007-2008	1	2

2 * Nr. Ani

3	National	"Algoritm de diagnostic stadial și de predicție a evoluției fibrozei hepatice folosind tehnici ultrasonografice non-invasive, optimizat prin analiza stocastică și de imagini - SONOFIBROCAST", PNII - Program 4, Contract 41-071/2007	2007-2010	3	6
4	National	ELASTOBREAST (2006) Studiul calitativ și cantitativ al elastografiei ultrasonore și angioelastografiei tridimensionale native în depistarea, diagnosticul și monitorizarea prin tehnici neinvazive a cancerului mamar, national research project CEEC, Contract nr. 149/2006.	2006-2008	2	4
5	National	SmartCoDrive(2012-2016) - Co-operative Advanced Driving Assistance System Based on Smart Mobile Platforms and Road Side Units, national research project.	2012-2016	4	8
6	National	Servicii ale Viitorului pentru Mobilitate prin Cooperare" - Inovare_EUREKA 322E/2012, (2012-2015)	2012-2015	3	6
7	National	Understanding the driver's behaviour and the adaptation of driving assistance systems to this behaviour for increasing road safety", CI 1.1.2/2015, research project funded by UTCN (2015 - 2016)	2015-2016	1	2
8	National	MULTISPECT - Multispectral environment perception by fusion of 2D and 3D sensorial data from the visible and infrared spectrum", PN-III-ID-PCE-2016-1, (2017-2019)	2017-2019	3	6
9	National	IMPROVE - Abordare inovativa de mare precizie privind tratamentul intraoperator asistat robotic al tumorilor hepatice pe baza diagnosticului integrat imagistic-molecular", PCCDI59, (2018-2020)	2018-2020	3	6
10	National	Platformă hibridă de comunicații prin lumină vizibilă și realitate augmentată pentru dezvoltarea de sisteme inteligente de asistență și siguranță activă a autovehiculelor - CarSafe, 21PCCDI/2018	2018-2020	3	6
				10	0

Total punctaj A2.4.2.2

52

4	Kim, TaeHwan; Kim, Sungho; "Remote Pedestrians Detection at Night-time in FIR Image using Contrast Filtering and Locally Projected Region-based CNN" Conference on Infrared Technology and Applications XLIII Location: Anaheim, CA, Date: APR 09-13, 2017	3	2.67	
	Brehar, Raluca; Vancea, Cristian; Oniga, Florin; et al., "A Study of the Impact of HOG and LBP Based Temporal Association On Far Infrared Pedestrian Detection", 2016 IEEE 12TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING (ICCP), Cluj Napoca, ROMANIA Date: SEP 08-10, 2016, Pages: 263-268	3	2.67	
	Liu, Jian; Liang, Huawei; Wang, Zhiling; et al., "A Framework for Applying Point Clouds Grabbed by Multi-Beam LIDAR in Perceiving the Driving Environment", SENSORS Volume: 15 Issue: 9 Pages: 21931-21956 Published: SEP 2015	3	5.34	Q1
	Xin Wu, Danfeng Hong, Jiaojiao Tian, Jocelyn Chanussot, Wei Li, Ran Tao, "ORSLim Detector: A Novel Object Detection Framework in Optical Remote Sensing Imagery Using Spatial-Frequency Channel Features", Geoscience and Remote Sensing, IEEE Transactions on, vol. 57, no. 7, pp. 5146-5158, 2019.	3	5.34	Q1
	Yingfan Wang, Xiangzhi Bai, "Intensity Inhomogeneity Suppressed Fuzzy C-Means for Infrared Pedestrian Segmentation", IEEE Transactions on Intelligent Transportation Systems, vol. 20, no. 9, pp. 3361-3374, 2019.	3	5.34	Q1
5	Raluca Brehar, Flaviu Vancea, Tiberiu Marita, Cristian Vancea, Sergiu Nedevschi, "Object Detection in Monocular Infrared Images Using Classification - Regression Deep Learning Architectures", Intelligent Computer Communication and Processing (ICCP) 2019 IEEE 15th International Conference on, pp. 207-212, 2019	3	2.67	
6	Fuhr, Gustavo; Jung, Claudio R.; de Paula, Mauricio B., "On the use of calibration for pedestrian detection in on-board vehicular cameras", 2016 29TH SIGRAPHI CONFERENCE ON GRAPHICS, PATTERNS AND IMAGES (SIGRAPHI) Book Series: SIGRAPHI - Brazilian Symposium on Computer Graphics and Image Processing Pages: 80-87, Location: Sao Jose dos Campos, BRAZIL Date: OCT 04-07, 2016	2	4	
7	Cao, Jiangtao; Yu, Siqian; Liu, Honghai; et al., "Hand posture recognition based on heterogeneous features fusion of multiple kernels learning", MULTIMEDIA TOOLS AND APPLICATIONS Volume: 75 Issue: 19 Pages: 11909-11928 Published: OCT 2016	2	8	Q2
	Budzan, S., Wzszepolik, R., Ilewicz, W. Improved human detection with a fusion of laser scanner and vision/infrared information for mobile applications (2018) Applied Sciences (Switzerland), 8 (10), art. no. 1967.	3	5.34	Q2
	Wang, W., Su, Y., Cheng, M. Real-time stop sign detection and distance estimation using a single camera (2018) Proceedings of SPIE - The International Society for Optical Engineering, 10696, art. no. 106962A.	3	2.67	
	Wang, K., Chen, Z., Jonathan Wu, Q.M., Liu, C. Illumination and pose variable face recognition via adaptively weighted ULBP_MiHOG and WSRC (2017) Signal Processing: Image Communication, 58, pp. 175-186.	3	2.67	
8	Song, H., Wang, W., Wang, J., Wang, R. Collaborative Deep Networks for Pedestrian Detection (2017) Proceedings - 2017 IEEE 3rd International Conference on Multimedia Big Data, BigMM 2017, art. no. 7966734, pp. 146-153.	3	2.67	
	Minnehan, B., Savakis, A. Efficient pedestrian detection from aerial vehicles with object proposals and deep convolutional neural networks (2016) Proceedings of SPIE - The International Society for Optical Engineering, 9844, art. no. 98440G.	3	2.67	
	Budzan, S., Human detection in low resolution thermal images based on combined HOG classifier (2016) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 9772 LNCS, pp. 304-315.	3	2.67	
	Liu, W., Yu, B., Duan, C., Chai, L., Yuan, H., Zhao, H. A Pedestrian-Detection Method Based on Heterogeneous Features and Ensemble of Multi-View-Pose Parts (2015) IEEE Transactions on Intelligent Transportation Systems, 16 (2), art. no. 6887325, pp. 813-824.	3	5.34	Q1
9	Tomašev, N., Mladenčić, D. Class imbalance and the curse of minority hubs (2013) Knowledge-Based Systems, 53, pp. 157-172.	7	2.28	Q1
	Huang, H., Wang, J.-Y., Zhou, X., Xiang, T., Zhang, Y., Wu, H., Wang, Y. Cooperative VLC systems for data transmission and environment perception (2017) 2017 9th IEEE International Conference on Communication Software and Networks, ICCSN 2017, 2017-January, pp. 624-629.	3	2.67	
	Zhang, Z., Li, X. Accurate pedestrian detection using RGB-D camera (2017) 2017 9th IEEE International Conference on Communication Software and Networks, ICCSN 2017, 2017-January, pp. 1218-1222.	3	2.67	
	R. Brehar and S. Nedevschi, "Scan window based pedestrian recognition methods improvement by search space and scale reduction," 2014 IEEE Intelligent Vehicles Symposium Proceedings, Dearborn, MI, 2014, pp. 529-534, doi: 10.1109/IVS.2014.6856571.			
	R. Brehar and S. Nedevschi, "Pedestrian detection in traffic scenes using multi-attitude classifiers," 16th International IEEE Conference on Intelligent Transportation Systems (ITSC 2013), The Hague, 2013, pp. 1077-1082, doi: 10.1109/ITSC.2013.6728375			
	Cosma, C., Brehar, R., Nedevschi, S., "Pedestrians detection using a cascade of LBP and HOG classifiers", (2013) Proceedings - 2013 IEEE 9th International Conference on Intelligent Computer Communication and Processing, ICCP 2013, art. no. 6646084, pp. 69-75, DOI: 10.1109/ICCP.2013.6646084			
	Tomašev, N., Pracner, D., Brehar, R., Radovanović, M., Mladenčić, D., Ivanović, M., Nedevschi, S.: "Object recognition in wikiimage data based on local invariant image features" (2013) Proceedings - 2013 IEEE 9th International Conference on Intelligent Computer Communication and Processing, ICCP 2013, art. no. 6646097, pp. 139-146.			
	Cosma, A.C., Brehar, R., Nedevschi, S. Part-based pedestrian detection using HOG features and vertical symmetry, (2012) Proceedings - 2012 IEEE 8th International Conference on Intelligent Computer Communication and Processing, ICCP 2012, art. no. 6356190, pp. 229-236.			

10		<p>Solichin, A., Harjoko, A., Putra, A.E. Grid-based Histogram of Oriented Optical Flow for analyzing movements on video data (2016) Proceedings of 2015 International Conference on Data and Software Engineering, ICODSE 2015, art. no. 7436982, pp. 114-119.</p> <p>Wang, H., Chen, J., Fang, B., Dai, S. Human detection algorithm based on edge symmetry 3rd International Conference on Robot Intelligence Technology and Applications Location: Beijing, PEOPLES R CHINA Date: NOV 06-08, 2014, ROBOT INTELLIGENCE TECHNOLOGY AND APPLICATIONS 3, Book Series: Advances in Intelligent Systems and Computing, Volume: 345, Pages: 719-729, Published: 2015</p> <p>Kim, J., Lee, J., Lee, C., Park, E., Kim, J., Kim, H., Lee, J., Jeong, H. Optimal feature selection for pedestrian detection based on logistic regression analysis (2013) Proceedings - 2013 IEEE International Conference on Systems, Man, and Cybernetics, SMC 2013, art. no. 6721800, pp. 239-242.</p> <p>Vilao, C.D.O., Celiberto, L.A., Bianchi, R.A.C., Jr. Evaluating the Performance of Two Visual Descriptors Techniques for a Humanoid Robot (2016) Proceedings - 12th LARS Latin American Robotics Symposium and 3rd SBR Brazilian Robotics Symposium, LARS-SBR 2015 - Part of the Robotics Conferences 2015, art. no. 7402179, pp. 283-288.</p> <p>Vilao, C.O., Jr., Ferreira, V.N., Celiberto, L.A., Jr., Bianchi, R.A.C. Evaluating the performance of two computer vision techniques for a mobile humanoid agent acting at Robocup kidsized soccer league, (2016) Communications in Computer and Information Science, 619, pp. 1-19.</p> <p>Kapcinski, D., Włodarczyk, M., Grabowski, K., Neves, J. Evaluation of human silhouette detection methods for a non-cooperative biometric system (2014) Proceedings of the 21st International Conference on Mixed Design of Integrated Circuits and Systems, MIXDES 2014, art. no. 6872238, pp. 446-450.</p> <p>Elavarasan, N., Mani, K. An Enhanced Multi Attribute Depthness Similarity Estimation Technique to Improve Classification Accuracy, (2017) Proceedings - 2nd World Congress on Computing and Communication Technologies, WCCCT 2017, art. no. 8074504, pp. 115-138.</p> <p>Tomašev, N., Buza, K., Mladenčić, D. Correcting the hub occurrence prediction bias in many dimensions (2016) Computer Science and Information Systems, 13 (1), pp. 1-21.</p> <p>Buza, K., Koller, J. Classification of electroencephalograph data: A hubness-aware approach (2016) Acta Polytechnica Hungarica, 13 (2), pp. 27-46.</p> <p>Tomašev, N., Mladenčić, D. Image hub explorer: evaluating representations and metrics for content-based image retrieval and object recognition (2015) Multimedia Tools and Applications, 74 (24), pp. 11653-11682.</p> <p>Tomašev, N., Buza, K. Hubness-aware kNN classification of high-dimensional data in presence of label noise (2015) Neurocomputing, 160, pp. 157-172.</p> <p>Tomašev, N., Radovanović, M., Mladenčić, D., Ivanović, M. The Role of Hubness in Clustering High-Dimensional Data (2014) IEEE Transactions on Knowledge and Data Engineering, 26 (3), art. no. 6427743, pp. 739-751.</p> <p>Tomašev, N., Radovanović, M., Mladenčić, D., Ivanović, M. Hubness-based fuzzy measures for high-dimensional k-nearest neighbor classification (2014) International Journal of Machine Learning and Cybernetics, 5 (3), pp. 445-458.</p> <p>Tomašev, N., Mladenčić, D. Hubness-aware shared neighbor distances for high-dimensional k-nearest neighbor classification (2014) Knowledge and Information Systems, 39 (1), pp. 89-122.</p> <p>Tomašev, N., Mladenčić, D. "Class imbalance and the curse of minority hubs". (2013) Knowledge-Based Systems, 53, pp. 157-172.</p> <p>Tomašev, N., Mladenčić, D. "Hubness-aware shared neighbor distances for high-dimensional k-nearest neighbor classification". (2012) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 7209 LNAI (PART 2), pp. 116-127.</p> <p>Cavaliere, D., Saggese, A., Senatore, S., Vento, M., Loia, V. Empowering UAV scene perception by semantic spatio-temporal features (2018) 2018 IEEE International Conference on Environmental Engineering, EE 2018 - Proceedings, pp. 1-6.</p> <p>Cavaliere, D., Senatore, S., Vento, M., Loia, V. Towards semantic context-aware drones for aerial scenes understanding (2016) 2016 13th IEEE International Conference on Advanced Video and Signal Based Surveillance, AVSS 2016, art. no. 7738062, pp. 115-121.</p> <p>Shih, H.-C., Wang, H.-Y. Vehicle identification using distance-based appearance model (2015) AVSS 2015 - 12th IEEE International Conference on Advanced Video and Signal Based Surveillance, art. no. 7301728.</p> <p>Cretu, A.-M., Payeur, P., Laganière, R. An application of a bio-inspired visual attention model for the localization of vehicle parts (2015) Applied Soft Computing Journal, 31, pp. 369-380.</p>	3	2.67
11	<p>Brehar, R., Nedevschi, S. A comparative study of pedestrian detection methods using classical Haar and HoG features versus bag of words model computed from Haar and HoG features, (2011) Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, art. no. 6047884, pp. 299-306.</p>	2	4	
12	<p>Tomašev, N., Brehar, R., Mladenčić, D., Nedevschi, S. The influence of hubness on nearest-neighbor methods in object recognition, (2011) Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, art. no. 6047899, pp. 367-374.</p>	4	2	
13	<p>Brehar, R., Fortuna, C., Bota, S., Mladenčić, D., Nedevschi, S. Spatio-temporal reasoning for traffic scene understanding (2011) Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, art. no. 6047901, pp. 377-384.</p>	5	1.6	
14	<p>Brehar, R., Nedevschi, S., Dăian, L. Pillars detection for side viewed vehicles (2010) Proceedings - 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing, ICCP'10, art. no. 5606430, pp. 247-250.</p>	3	2.67	
		3	5.34	

		Cretu, A.-M., Payeur, P. Image-based localization of vehicle parts guided by visual attention (2012) 2012 IEEE I2VTC - International Instrumentation and Measurement Technology Conference, Proceedings, art. no. 6229228, pp. 533-538.	3	2.67
		Mohammed, R.A., Nabi, R.M., Mahmood, S.M.-R., Nabi, R.M. State-of-the-art in handwritten signature verification system (2016) Proceedings - 2015 International Conference on Computational Science and Computational Intelligence, CSCI 2015, art. no. 7428147, pp. 517-525.	3	2.67
15		Jaiswal, S.G., Kasetwar, A.R. Off-line signature verification using global & local features with neural networks (2015) Proceedings of 2014 IEEE International Conference on Advanced Communication, Control and Computing Technologies, ICACCC 2014, art. no. 7019361, pp. 1525-1531.	3	2.67
		Potolea, R., Bărbăntan, I., Lemmaru, C. A hierarchical approach for the offline handwritten signature recognition (2011) Lecture Notes in Business Information Processing, 73 LNBIIP, pp. 264-279.	3	2.67
		Bărbăntan, I., Lemmaru, C., Potolea, R. A hierarchical handwritten offline signature recognition system (2010) ICESIS 2010 - Proceedings of the 12th International Conference on Enterprise Information Systems, 2 AIDSS, pp. 139-147.	3	2.67
				0

Total punctaj A3.1.1

62 223.59

A3.1.2 Citari în carti, reviste si volume ale unor manifestari stiintifice - BDJ

Nr.	Articol citat	Articol care citeaza	Nr. autori art.citat	Punctaj
1	R. Brehar, C. Vancea, F. Oniga, M. Negru and S. Nedevschi, "A study of the impact of HOG and LBP based temporal association on far infrared pedestrian detection", 2016 IEEE 12th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, 2016, pp. 263-268, doi: 10.1109/ICCP.2016.7737157.	Y. He, T. Yang, Y. Lu, M. Liu and X. Zhai, "Specific Shape Feature for Fast Pedestrian Detection in Cascade Way," 2018 2nd IEEE Advanced Information Management, Communicates, Electronic and Automation Control Conference (IMCEC), Xi'an, 2018, pp. 335-339, doi: 10.1109/IMCEC.2018.8469565.	5	0.8
2	R. Brehar, C. Vancea, T. Manța, I. Glosan and S. Nedevschi, "Pedestrian detection in the context of multiple-sensor data alignment for far-infrared and stereo vision sensors", 2015 IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, 2015, pp. 385-392, doi: 10.1109/ICCP.2015.7312690.	Hanan Anzid, Gaetan Le Goic, Aissam Bekkari, Alamin Mansouri, Driss Mammass, "Multimodal Images Classification using Dense SURF, Spectral Information and Support Vector Machine", Procedia Computer Science, Volume 148, 2019, Pages 107-115, ISSN 1877-0509.	5	0.8
3	Brehar, Raluca; Nedevschi, Sergiu, "Pedestrian detection in infrared images using HOG, LBP, gradient magnitude and intensity feature channels", 17th International IEEE Conference on Intelligent Transportation Systems (ITSC), Qingdao, 2014, pp. 1669-1674, doi: 10.1109/ITSC.2014.6957933.	A. Masalov, J. Oka, H. Corbet, E. Lee and A. Pelley, "CYDET: Improving Camera-based Cyclist Recognition Accuracy with Known Cycling Jersey Patterns", 2018 IEEE Intelligent Vehicles Symposium (IV), Changshu, 2018, pp. 2143-2149, doi: 10.1109/IVS.2018.8500668.	2	2
		Kim, T., Kim, S. "Multi-modal region proposal and CNN-SVM based remote far infrared pedestrian detection at night-time", Journal of Institute of Control, Robotics and Systems Volume 25, Issue 8, 2019, Pages 713-721	2	2
				0
	Brehar, Raluca; Vancea, Cristiana; Nedevschi, Sergiu: "Pedestrian detection in infrared images using Aggregated Channel Features", 2014 IEEE 10th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj Napoca, 2014, pp. 127-132, doi: 10.1109/ICCP.2014.6936964.	Paul Blondel, Alex Potelle, Claude Pézard, Rogelio Lozano, David Lara, "Dynamic collaboration of far-infrared and visible spectrum for human detection", Pattern Recognition (ICPR) 2016 23rd International Conference on, pp. 698-703, 2016.	3	1.33
4		Patrick Humey, Peter Waldron, Fearghal Moyeen, Edward Jones, Martin Glavin, "Review of pedestrian detection techniques in automotive far-infrared video", Intelligent Transport Systems IET, vol. 9, no. 8, pp. 824-832, 2015	3	1.33
		Zhilong Wang, Linglong Lin, Yuxin Li, "Multi-feature fusion based region of interest generation method for far-infrared pedestrian detection system", Intelligent Vehicles Symposium (IV) 2018 IEEE, pp. 1257-1264, 2018.	3	1.33
		Paul Blondel, Alex Potelle, Claude Pézard, Rogelio Lozano, "Collaborative training of far infrared and visible models for human detection", International Journal for Simulation and Multidisciplinary Design Optimization, vol. 10, pp. A15, 2019.	3	1.33
		Rikin Basu, D. S. Rao, Debi Prasad Das, "Detection of Economic Minerals in Beach Placer Samples by Machine Learning-Based Microscopic Image Processing", Emerging Trends in Information Technology and Engineering (ic-ETITE) 2020 International Conference on, pp. 1-4, 2020	3	1.33
5	R. Brehar and S. Nedevschi, "Scan window based pedestrian recognition methods improvement by search space and scale reduction", 2014 IEEE Intelligent Vehicles Symposium Proceedings, Dearborn, MI, 2014, pp. 529-534, doi: 10.1109/IVS.2014.6856571.	Luca Castangia, Paolo Grisleri, Paolo Medici, Antonio Prioletti, Andrea Signifredi, "A coarse-to-fine vehicle detector running in real-time", Intelligent Transportation Systems (ITSC) 2014 IEEE 17th International Conference on, pp. 691-696, 2014.	2	2
		Massimo Bertozzi, Luca Castangia, Stefano Cattani, Antonio Prioletti, Pietro Versari, "360° Detection and tracking algorithm of both pedestrian and vehicle using fisheye images", Intelligent Vehicles Symposium (IV) 2015 IEEE, pp. 132-137, 2015	2	2
		Marco Alibodi, Luca Castangia, Alessandro Cionini, Francesco Valenti, "Monocular parking slots and obstacles detection and tracking", Intelligent Vehicles Symposium (IV) 2016 IEEE, pp. 179-185, 2016.	2	2
		Darren M. Chan, Angeliq Taylor, Laurel D. Riek, "Faster robot perception using Salient Depth Partitioning", Intelligent Robots and Systems (IROS) 2017 IEEE/RSJ International Conference on, pp. 4152-4158, 2017.	2	2

Anexa: datele pentru calculul indeplinirii criteriilor A3.3.1, A3.3.2, A3.3.3

A3.2 Membru in colectivele de redactie sau comitetele stiintifice ale revistelor indexate ISI, chair, co-chair sau membru in comitetele de organizare ale manifestarilor stiintifice internationale [9]

Nr.	Nume Jurnal	URL	Anul
1	IEEE Intelligent Computer Communication and Processing - Program Committee	http://www.iccp.ro/iccp2018/index.php/program-committee.html	2018
2	IEEE Intelligent Computer Communication and Processing - Program Committee	http://www.iccp.ro/iccp2019/index.php/program-committee.html	2019
3	IEEE Intelligent Computer Communication and Processing - co-chair	http://www.iccp.ro/iccp2015/index.php/technical-program.html	2015
4	IEEE Intelligent Computer Communication and Processing - co-chair	http://www.iccp.ro/iccp2016/index.php/technical-program.html	2016
5	IEEE Intelligent Computer Communication and Processing - co-chair	http://www.iccp.ro/iccp2017/index.php/technical-program.html	2017
Total Punctaj A3.2			5

A3.3 Membru in colectivele de redactie sau comitetele stiintifice ale revistelor indexate BDI, chari, co-chair sau membru in comitetele de organizare ale manifestarilor stiintifice internationale Indexate Bdi [4]

Nr.	Nume Jurnal	URL	Anul
1			
2			
Total Punctaj A3.3			0

Anexa: date pentru calculul indeplinirii criteriilor A3.4.1, A3.4.2

A3.4 Premii in domeniu conferite de Academia Romana, ASTR, AOSR, sau premii internationale de prestigiu

Nr.	Anul	Descriere premiu
1		

Total Punctaj A3.4

0

A3.4.2 Premii nationale in domeniu

Nr.	Anul	Descriere premiu
1		

Total Punctaj A3.4.1

0

