



AVIZ INDEPLINIRE STANDARDE MINIMALE

In urma analizei dosarului de concurs depus de candidatul GIOSAN ION AUGUSTIN pentru postul **Conferentiar 39** 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 Duřf

Conf.dr.mat. Daniela Inoan



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

Candidat **Ș.I. dr. ing. Ion-Augustin Giosan**
Domeniul **Calculatoare si Tehnologia Informatiei**

Nr. Crt	Domeniul activ.	Categoriile si restrictiile	Subcategoriile	Indicatorii (kpi)	Numar	Punctaj
0		2	3	5	6	7
1	Activitatea didactica si profesionala (A1)	Carti de autor sau capitole [1] de specialitate in edituri cu ISBN Material didactic / lucrari didactice publicate la edituri cu ISBN	A1.1.1 internationale A1.1.2 nationale A1.2.1	50 sau 100 / nr. autori 50 / nr. autori 40 / nr. autori	0 1 2	0 50 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 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI) [4] Proprietate intelectuala, brevete de inventie, certificate ORDA Granturi/proiecte de cercetare castigate prin competitie [6] sau contracte cu agenti economici in valoare de minim 10.000 dolari USA echivalent incasati [6]	A2.1 A2.2 A2.3.1 internationale A2.3.2 nationale A2.4.1.1 internationale A2.4.1.2 nationale A2.4.2.1 internationale A2.4.2.2 nationale	(25+30 * factor impact[3]) / nr. de autori 20 / nr. de autori 35 / nr. de autori 25 / nr. de autori 20 * ani de desfasurare 10 * ani de desfasurare 4 * ani de desfasurare 2 * ani de desfasurare	14 7 0 0 0 1 10 4	187.03 50.67 0.00 0.00 0.00 10.00 88.00 22.00
Total punctaj (A2)						357.70

3	Recunoasterea si impactul activitatii (A3)	Cikari [7] in carti, reviste si volume ale unor manifestari stiintifice 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 indexate ISI [9] Membru in colectivele de redactie sau comitetele stiintifice ale revistelor indexate BDI, chair, co-chair sau membru in comitetele de organizare ale manifestarilor stiintifice internationale indexate BDI [4] Premii in domeniul conferite de Academia Romana, ASTR, AOSR, sau premii internationale de prestigiu	A3.1.1 carti, ISI [8] A3.1.2 BDI [4] A.3.2 A3.3 A3.4	8 / nr aut art. citat 4 / nr aut art. citat 10 6 15	35 22 4 3 1	113.41 26.89 40.00 18.00 15.00
Total punctaj (A3)						213.30

Conditii minimele A1			
Nr.	Domeniul de activitate (A)	Necesar Conferentiar	Realizat
A1	Activitatea didactica / profesionala (A1)	50	60.15
A2	Activitatea de cercetare (A2)	300	357.70
A3	Recunoasterea impactului activitatii (A3)	50	213.30
Total (A)		400	631.15

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 cota Q1 sau Q2 [11])	14
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	35
	Factor de impact ISI cumulat pentru publicatii [13]	4	6.281

(1 art. ISI Q1)

Baza de date	H-Index
Web of Science	3
Scopus	4
Google Scholar	6
Scor H-Index	3.9

Candidat

Ș.l. dr. ing. Ion-Augustin Giosan



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, capitolul ca autor - internationale

Nr.	Autori	Nr. Autori	Titlu capitol / carte	Editura	Anul	Punctaj
1						0
2						0
3						0
4						0
Total carti internationale					0	0

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

Nr.	Autori	Nr. Autori	Titlu capitol / carte	Editura	Anul	Punctaj
1	I. Giosan	1	Metode traditionale de percepție a scenelor de trafic, ISBN 978-606-737-460-5, https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/460-5.pdf	UTPRESS	2020	50
2						0
3						0
4						0
Total carti nationale					1	50

A1.2.1. Manuale didactice

Nr.	Autori	Nr. Autori	Titlu	Editura	Anul	Punctaj
1	S. Nedevschi, T. Marița, 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. Marița, 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
						0
						0
Total materiale didactice					2	10.15

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

A2.1 Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings 25 + 30* factor impact / nr. Autori

Nr.	Autori	Titlu lucrare / revista (conferinta)	Factor de Impact	Nr. Autori	Punctaj
1	Ion Glosan, Sergiu Nedevschi	Superpixel-based Obstacle Segmentation from Dense Stereo Urban Traffic Scenarios Using Intensity, Depth and Optical Flow Information, in 2014 IEEE 17TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS (ITSC), pp. 1662-1668, 2014.	0.25	2	16.25
2	Alexandru Iloie, Ion Glosan, Sergiu Nedevschi	UV disparity based obstacle detection and pedestrian classification in urban traffic scenarios, in 2014 IEEE INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING (ICCP), pp. 119-125, 2014.	0.25	3	10.83
3	Glosan, I., Nedevschi, S.	Multi-feature real time pedestrian detection from dense stereo SORT-5GM reconstructed urban traffic scenarios, in VISAPP 2014 - Proceedings of the 9th International Conference on Computer Vision Theory and Applications, vol. 2, pp. 131-142, 2014.	0.25	2	16.25
4	Ion Glosan, Sergiu Nedevschi, Silviu Bota	Real Time Stereo Vision Based Pedestrian Detection Using Full Body Contours, in 2009 IEEE 5TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS, pp. 79-86, 2009.	0.25	3	10.83
5	Patras, L., Glosan, I., Nedevschi, S.	Body gesture validation using multi-dimensional dynamic time warping on Kinect data, in Proceedings - 2015 IEEE 11th International Conference on Intelligent Computer Communication and Processing, ICCP 2015, pp. 301-307, 2015.	0.25	3	10.83
6	Barbu, M.-I., Glosan, I., Marita, T.	Height restriction barriers detection from traffic scenarios using stereo-vision, in Proceedings - 2015 IEEE 11th International Conference on Intelligent Computer Communication and Processing, ICCP 2015, pp. 209-215, 2015.	0.25	3	10.83
7	Brebar, R., Vancea, C., Marita, T., Glosan, I., Nedevschi, S.	Pedestrian detection in the context of multiple sensor data alignment for far-infrared and stereo vision sensors. In Proceedings - 2015 IEEE 11th International Conference on Intelligent Computer Communication and Processing, ICCP 2015, pp. 385-392, 2015.	0.25	5	6.5
8	Glosan, I., Nedevschi, S., Pocol, C.	Shape improvement of traffic pedestrian hypotheses by means of stereo-vision and superpixels, in Proceedings - 2015 IEEE 11th International Conference on Intelligent Computer Communication and Processing, ICCP 2015, pp. 217-222, 2015.	0.25	3	10.83
9	Ion Glosan, Sergiu Nedevschi	Building Pedestrian Contour Hierarchies for Improving Detection in Traffic Scenes, in COMPUTER VISION AND GRAPHICS, vol. 5337, pp. 154-163, 2009.	0.25	2	16.25
10	Robert Varga, Arthur Costea, Horatiu Florea, Ion Glosan, Sergiu Nedevschi	Super-sensor for 360-degree Environment Perception: Point Cloud Segmentation Using Image Features, in 20th IEEE International Conference on Intelligent Transportation Systems (ITSC), pp. 1-8, 2017.	0.25	5	6.5
11	Gyorgy Jasko, Ion Glosan, Sergiu Nedevschi	Animal Detection from Traffic Scenarios Based on Monocular Color Vision in 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), pp. 363-368, 2017.	0.25	3	10.83
12	Mircea Paul Muresan, Ion Glosan, Sergiu Nedevschi	Real-Time Object Detection Using a Sparse 4-Layer LIDAR in 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), pp. 363-368, 2017.	0.25	3	10.83
13	Selma Deac, Ion Glosan, Sergiu Nedevschi	Curb detection in urban traffic scenarios using LIDARs point cloud and semantically segmented color images, in 2019 IEEE Intelligent Transportation Systems Conference, ITSC 2019, pp.3433-3440	0.25	3	10.83
14	Mircea Paul Muresan, Ion Glosan, Sergiu Nedevschi	Stabilization and Validation of 3D Object Position Using Multimodal Sensor Fusion and Semantic Segmentation, Sensors 2020, 20(4), 1110.	3.031	3	38.64
15					
			6.281	14	187.03
			Factor impact cumulat		
			Total punctaj A2.1		

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	Glosan, I., Nedevschi, S.	Superpixels in Pedestrian Detection from Stereo Images in Urban Traffic Scenarios, Proceedings of the 11th Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, 2016, Rome, Italy, pp. 501-508	Google Scholar	2	10
2	Florian, F., Glosan, I., Nedevschi, S.	Pedestrian detection from traffic scenes based on probabilistic models of the contour fragments, in Proceedings - 2013 IEEE 9th International Conference on Intelligent Computer Communication and Processing, ICCP 2013, pp. 95-102, 2013.	Scopus	3	6.666666667

3	Giosan, I., Costea Daniel, A., Nedevschi, S.	Urban traffic dense-stereo obstacle classification using boosting over visual codebook features, in Proceedings - 2013 IEEE 9th International Conference on Intelligent Computer Communication and Processing, ICCP 2013, pp. 111-116, 2013.	Scopus	3	6.666666667
4	Giosan, I., Nedevschi, S.	A solution for probabilistic inference and tracking of obstacles classification in urban traffic scenarios, in Proceedings - 2012 IEEE 8th International Conference on Intelligent Computer Communication and Processing, ICCP 2012, pp. 221-227, 2012.	Scopus	2	10
5	Brehar, R., Giosan, I., Vatavu, A., Negru, M., Nedevschi, S.	Modeling the behavior of large scale reasoning systems using clustering and regression, in Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, pp. 163-169, 2011.	Scopus	5	4
6	Ion Giosan, Emoke Olti, Sergiu Nedevschi	Traffic road obstacles detection based on analysis of relative motion vectors, in ACAM: Automation, Computers, Applied Mathematics, vol. 22, no. 2, pp. 217-224, 2013.	Google Scholar	3	6.666666667
7	Ciprian Pocol, Sergiu Nedevschi, Ion Giosan	Obstacle Detection Based on Single Frame Stereo Vision, in ACAM: Automation, Computers, Applied Mathematics, vol. 22, no. 2, pp. 247-256, 2013.	Google Scholar	3	6.666666667
8					
9					
10					
11					0
Total punctaj A2.2				7	50.66666667

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

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

Nr.	Tip	Denumire	Anul	Nr. Autori	Punctaj
1					0
2					0
3					0
4					0
Total punctaj A2.3.1					0

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

Nr.	Tip	Denumire	Anul	Nr. Autori	Punctaj
1					0
2					0
3					0
4					0
Total punctaj A2.3.2					0

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
1				0	0
2				0	0
3				0	0
4				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	Image Processing based on Stereo and Mono Cameras for Driver Assistance Systems – Individual Development Order no.1: Video-based landmarks for localization, proiect finantat de Robert Bosch SRL - valoarea proiect 24975 EURO	2018	1	10
2					0
3					0
4					0
5				0	0
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	STEROPED – Dense Stereo-Based Object Tracking and Pedestrian Recognition For Pre-Crash Applications, research project funded by Volkswagen AG, Germany	2007	1	4
3	International	STEREOCLASS – Dense STEREO-Based Object Tracking and Classification for Pre-Crash-Applications, research project funded by Volkswagen AG, Germany	2008	1	4
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	Drive-C2X – Accelerate cooperative mobility – European FP7 project	2011-2014	3	12
7	International	Pan-Robots, "Plug and Navigate ROBOTS for smart factories", European FP7 project	2012-2015	3	12

4 * Nr. Ani

8	International	Sensorial Perception, Modeling and Representation of the World Model for Driving Assistance Systems - PERSENS	2009-2010	2	8
9	International	RS-COP (Reconfigurable ROS-based Resilient Reasoning Robotic Cooperating Systems - EU ARTEMIS Project)	2014-2017	3	12
10	International	UP-Drive (Automated Urban Parking and Driving – H2020 EU funded project)	2016-2020	4	16
11					0
12					0
13					0
14					0
15					0
16					0
Total punctaj A2.4.2.1					88

10

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

Nr.	Tip: nat / Internat.	Denumire proiect	Perioada	Nr. Ani	2* 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 Inteligent de Detectare și Evaluare Neinvazivă a Fibrozei, Restructurării și a Nodurilor Displazice ai Ficatului cu ajutorul Ultrasonografiei 2D/3D și a Markerilor Moleculari – SIDEF", Program CEEEX, Contract nr. 71/2006	2007-2008	1		2
3	National	"Algoritm de diagnostic stadial și de predicție a evoluției fibrozei hepatice folosind tehnici ultrasonografice non-invazive, optimizat prin analiza stocastică și de imagini – SONOFIBROCAST", PNII - Program 4, Contract 41-071/2007	2007-2010	3		6
4	National	Multi-scale multi-modal perception of dynamic 3D environments based on the fusion of dense stereo, dense optical flow and visual odometry information - MULTISENS	2012-2016	4		8
5						0
6						0
7						0
8						0
9						0
10						0
11						0
Total punctaj A2.4.2.2					4	22

Anexa: datele pentru calculul indeplinirii criteriilor A3.1.1, A3.1.2

A3.1.1.Citrii in carti, reviste si volume ale unor manifestari stiintifice - Carti, ISI

Nr.	Articol citat	Articol care citeaza	Nr. autori art.citat	Punctaj	2*Punctaj [8]
1	Ion Giosan, Sergiu Nedevschi - Building Pedestrian Contour Hierarchies for Improving Detection in Traffic Scenes. In COMPUTER VISION AND GRAPHICS, vol. 5337, pp. 154-165, 2009.	M Stommel, M Beetz, W Xu - Model-Free Detection, Encoding, Retrieval, and Visualization of Human Poses From Kinect Data in IEEE/ASME Transactions on Mechatronics, vol.20 , nr. 2, pp. 865-875, 2015	2	8	Q1
2	Ion Giosan, Sergiu Nedevschi, Silviu Bota - Real Time Stereo Vision Based Pedestrian Detection Using Full Body Contours, in 2009 IEEE 5TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS, pp. 79-86, 2009	M. Bernini, L. Bombini, M. Buzzoni, P. Cerri - An embedded system for counting passengers in public transportation vehicles in 10th International Conference on Mechatronic and Embedded Systems and Applications (MESA), pp. 1-6, 2014 Liu, Y, Liang, Z, Wang, X Chen - A Framework for Applying Point Clouds Grabbed by Multi-Beam LIDAR in Perceiving the Driving Environment, Sensors, vol. 15, nr. 9, pp. 21931-21956, 2015 J. Wang ; H. Li ; D. Chen ; F. Zou ; H. Zhao - Reconstruction error based pedestrian detection in infrared videos in 2015 8th International Congress on Image and Signal Processing (CISP), pp. 686 - 690, 2015 Teng, Tso-Liang; Liang, Cho-Chung; Yuan-Anh Wu - Bumper shape design for pedestrian safety, JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY Volume: 30 Issue: 7, Pages: 3243-3253 Published: JUL 2016	3	2.67	Q1
3	I. Giosan, S. Nedevschi -Superpixel-based Obstacle Segmentation from Dense Stereo Urban Traffic Scenarios Using Intensity, Depth and Optical Flow Information, in 2014 IEEE 17TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS (ITSC), pp. 1662-1668, 2014.	Di Kim, J Choi, H Yoo, U Yang, K Sohn - Rear obstacle detection system with fisheye stereo camera using HCT, EXPERT SYSTEMS WITH APPLICATIONS, vol.42, nr.17:1-18, pp. 6295-6305, 2015 Xiang Xuzhen; Ali, Syed Masroor; Zhai, Mingliang; et al. - Scene Flow Estimation methodologies and applications-A review, 29TH CHINESE CONTROL AND DECISION CONFERENCE (CCDC), pp. 5424-5429, 2017	2	8	Q1
	Alexandru Iliu, Ion Giosan, Sergiu Nedevschi - UV disparity based obstacle detection and pedestrian classification in urban traffic scenarios, in 2014 IEEE INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING (ICCP), pp. 119-125, 2014.	Dooraki, Amir Ramezani; Hooshyar, Danial; Yousefi, Mostafa - Innovative Algorithm for Easing VIP's Navigation by Avoiding Obstacles and Finding Safe Routes, 2015 International Conference on Science in Information Technology (ICST) Location: Yogyakarta, INDONESIA Dates: OCT 27-28, 2015 Pena, Dextonit; Sitcherand, Alistair - Fast Obstacle Detection Using Sparse Edge-Based Disparity Maps, 4th IEEE International Conference on 3D Vision (3DV) Location: Stanford Univ, Stanford, CA Date: OCT 25-28, 2016 Saleem, Noor Haltham; Chien, Hsiang-Jen; Klette, Reinhard - Sixel Optimization: Representing Challenging On-Road Scenes, International Conference on Image and Vision Computing New Zealand, 2017	2	4	
4		Skulimowski, Piotr; Owczarek, Mateusz; Strumillo, Pawel - Ground plane detection in 3D scenes for an arbitrary camera roll rotation through "V-disparity" representation, IEEE PROCEEDINGS OF THE 2017 FEDERATED CONFERENCE ON COMPUTER SCIENCE AND INFORMATION SYSTEMS (FEDCSIS), pp. 669-674, 2017 Saleem, Noor Haltham; Rezaei, Mahdi; Klette, Reinhard - Extending the Sixel World Using Polynomial Ground Manifold Approximation, 24TH INTERNATIONAL CONFERENCE ON MECHATRONICS AND MACHINE VISION IN PRACTICE (M2VIP), pp. 531-5, 2017 Saleem, Noor Haltham; Chien, Hsiang-Jen; Rezaei, Mahdi; et al. - Improved Sixel Estimation Based on Transitivity Analysis in Disparity Space, 17th International Conference on Computer Analysis of Images and Patterns (CAIP), pp. 28-40, 2017 Xu, Bin; Wang, Xiaonian; Song, Mengquan - Extending the Dynamic Sixel World with B-spline based Road Estimation for Obstacle Detection, Chinese Automation Congress (CAC), pp. 2973-2978, 2018. Yigang Zhang ; Yingna Su ; Jian Yang ; Jian Ponce ; Hui Kong - When Diljstra Meets Vanishing Point: A Stereo Vision Approach for Road Detection, IEEE Transactions on Image Processing, pp. 2176-2188, 2018 Noor Haltham Saleem ; Hsiang-Jen Chien ; Mahdi Rezaei ; Reinhard Klette - Effects of Ground Manifold Modeling on the Accuracy of Sixel Calculations, IEEE Transactions on Intelligent Transportation Systems, pp. 1-13, 2018	3	2.67	Q1
	Giosan, I., Costea Daniel, A., Nedevschi, S. - Urban traffic dense-stereo obstacle classification using boosting over visual codebook features, in IET Intelligent Transport Systems., vol. 10, nr. 3, pp. 197-205, 2016	Saleem, Noor Haltham; Chien, Hsiang-Jen; Klette, Reinhard - Sixel Optimization: Representing Challenging On-Road Scenes, International Conference on Image and Vision Computing New Zealand, 2017	3	2.67	
		Y Huang, S Liu - Multi-class obstacle detection and classification using stereo vision and improved active contour models, IET Intelligent Transport Systems., vol. 10, nr. 3, pp. 197-205, 2016	3	5.34	Q1
			3	5.34	Q1
				0	
			3	2.67	

5	<p>Proceedings - 2013 IEEE 9th International Conference on Intelligent Computer Communication and Processing, ICCP 2013, pp. 111-116, 2013.</p> <p>Robert Varga, Arthur Costea, Horatiu Florea, Ion Glosan, Sergiu Nedevschi - Super-sensor for 360-degree Environment Perception: Point Cloud Segmentation Using Image Features, in 20th IEEE International Conference on Intelligent Transportation Systems (ITSC), pp. 1-8, 2017.</p>	<p>Andrei Vatavu ; Nils Retin ; Simon Appel ; Tobias Berling, et. Al - Environment Estimation with Dynamic Grid Maps and Self-Localizing Tracklets, 21st International Conference on Intelligent Transportation Systems (ITSC) 2018</p> <p>Selma Evelyn Catalina Goga ; Sergiu Nedevschi - Fusing semantic labeled camera images and 3D LIDAR data for the detection of urban curbs, IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP) 2018</p> <p>Horatiu FLOREA ; Robert VARGA ; Sergiu NEDEVESCHI - Environment Perception Architecture using Images and 3D Data, IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP) 2018</p> <p>Kailong Zhang, et. Al - Service-Oriented Cooperation Policies for Intelligent Ground Vehicles Approaching Intersections, in Applied Sciences Journal, 2018</p> <p>Florin Oniga ; Sergiu Nedevschi - A Fast Ransac Based Approach for Computing the Orientation of Obstacles in Traffic Scenes, IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP) 2018</p> <p>Liyuan Deng ; Ming Yang ; Hao Li ; Tianyi Li ; Bing Hu ; Chunxiang Wang - Restricted Deformable Convolution-Based Road Scene Semantic Segmentation Using Surround View Cameras, IEEE Transactions on Intelligent Transportation Systems, September 2019.</p> <p>Wei Zhou ; Alex Zyner ; Stewart Worrall ; Eduardo Nebot - Adapting Semantic Segmentation Models for Changes in Illumination and Camera Perspective, IEEE Robotics and Automation Letters, Volume: 4, Issue: 2, April 2019</p> <p>Alvaro Sáez, Luis M. Bergasa, Elena López-Guillén, Eduardo Romera, Miguel Tradedete, Carlos Gómez-Huelamo and Javier del Ejido - Real-Time Semantic Segmentation for Fisheye Urban Driving Images Based on ERFNet, SENSORS, 2019</p> <p>Kailun Yang ; Xinxin Hu ; Luis M. Bergasa ; Eduardo Romera ; Kaiwei Wang - PASS: Panoramic Annular Semantic Segmentation, IEEE Transactions on Intelligent Transportation Systems, September 2019.</p> <p>Wei Zhou ; Julie Stephany Berrío ; Stewart Worrall ; Eduardo Nebot - Automated Evaluation of Semantic Segmentation Robustness for Autonomous Driving, IEEE Transactions on Intelligent Transportation Systems, April 2019.</p> <p>Yuanyou Xu, Kaiwei Wang, Kailun Yang, Dongming Sun, and Jia Fu "Semantic segmentation of panoramic images using a synthetic dataset", Proc. SPIE 11169, Artificial Intelligence and Machine Learning in Defense Applications, 111690R (19 September 2019)</p> <p>Wu, Jian; Jiao, Jianbo; Yang, Qinglong, et al. - Ground-Aware Point Cloud Semantic Segmentation for Autonomous Driving, 27th ACM International Conference on Multimedia (MM), 2019.</p> <p>Charifa De Alvis ; Mao Shan ; Stewart Worrall ; Eduardo Nebot - Uncertainty Estimation for Projecting Lidar Points onto Camera Images for Moving Platforms, International Conference on Robotics and Automation (ICRA) 2019.</p>	<p>0</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p>	<p>1.6</p> <p>1.6</p> <p>1.6</p> <p>3.2</p> <p>1.6</p> <p>3.2</p> <p>1.6</p> <p>3.2</p> <p>3.2</p> <p>1.6</p> <p>1.6</p> <p>1.6</p> <p>1.6</p> <p>0</p> <p>1.6</p> <p>1.6</p> <p>0</p>	<p></p> <p></p> <p></p> <p>Q2</p> <p></p> <p></p> <p>Q1</p> <p></p> <p></p> <p></p> <p>Q1</p> <p></p> <p>Q1</p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p>
6					
7	<p>Brehar, R., Vancea, C., Marita, T., Glosan, I., Nedevschi, S. - Pedestrian detection in the context of multiple-sensor data alignment for far-infrared and stereo vision sensors, in Proceedings - 2015 IEEE 11th International Conference on Intelligent Computer Communication and Processing, ICCP 2015, pp. 385-392, 2015.</p>		<p>5</p> <p>5</p>	<p>1.6</p> <p>1.6</p>	

8	Mircea Paul Miuresan, Ion Glosan, Sergiu Nedevschi - Real-Time Object Detection Using a Sparse 4-Layer U-DAR in 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), pp. 363-368, 2017.	Yeqlang Qian ; John M. Dolan ; Ming Yang - DLT-Net: Joint Detection of Drivable Areas, Lane Lines, and Traffic Objects, IEEE Transactions on Intelligent Transportation Systems, December 2019.	3	5.34	Q1
9	Gyongyi Jasko, Ion Glosan, Sergiu Nedevschi - Animal Detection from Traffic Scenarios Based on Monocular Color Vision in 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), pp. 363-368, 2017.	T Zhang, L Liu, K Zhao, A Willem, G Henson, et al - Omni-supervised joint detection and pose estimation for wild animals, in Pattern Recognition Letters, 2018	3	5.34	Q2
10	Mircea Paul Miuresan, Ion Glosan, Sergiu Nedevschi - Real-Time Object Detection Using a Sparse 4-Layer U-DAR in 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), pp. 363-368, 2017.	Mircea Paul Miuresan, Ion Glosan, Sergiu Nedevschi - Stabilization and Validation of 3D Object Position Using Multimodal Sensor Fusion and Semantic Segmentation, Sensors 2020, 20(4), 1110.	3	5.34	Q1
				0	

35 113.41

A3.1.2 Citari in carti, reviste si volume ale unor manifestari stiintifice - BDI

Nr.	Articol citat	Articol care citeaza	Nr. autori art.citat	Punctaj
1	Alexandru Ilole, Ion Glosan, Sergiu Nedevschi - UV disparity based obstacle detection and pedestrian classification in urban traffic scenarios, in 2014 IEEE INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING (ICCP), pp. 119-125, 2014.	Noor Hathim Saleem ; Reinhard Klette - Accuracy of free-space detection: Monocular versus binocular vision, International Conference on Image and Vision Computing New Zealand (IVCNZ), 2016 Amir Ramezani Dooraki - A survey on computer vision technology in camera based ETA devices, International Journal of Advances in Intelligent Informatics, pp. 115-124, 2015 Yingqiang Zhang, Jian Yang, Jean Ponce, Hui Kong, et al - Dijkstra Model for Stereo-Vision Based Road Detection: A Non-Parametric Method, IEEE International Conference on Robotics and Automation (ICRA), 2018 Mi Thi-Tra Nguyen ; Vinh Dinh Nguyen ; Jae Wook Jeon, et al - Real-time pedestrian detection using a support vector machine and stikel information, 17th International Conference on Control, Automation and Systems (ICCAS), 2017 Jianping Chen, Husheng Liao, Lihua Fu - Abnormal Motion Areas Detection for Advanced Driver Assistance System, Proceedings of the International Conference on Mechanical, Electrical, Electronic Engineering & Science, 2018. Jie Li ; Huan Liu ; Zhenglong Sun ; Rui Huang - Real Time Obstacle Estimation Based on Dense Stereo Vision for Robotic Lawn Mowers, IEEE International Conference on Robotics and Biomimetics (ROBIO) 2019.	3 3 3 3 3 3 3 3 3	1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33
2	Glosan, I., Costea Daniel, A., Nedevschi, S. - Urban traffic dense-stereo obstacle classification using boosting over visual codebook features, in Proceedings - 2013 IEEE 9th International Conference on Intelligent Computer Communication and Processing, ICCP 2013, pp. 111-116, 2013.	R MOCAN, L DIOŞAN - OBSTACLE RECOGNITION IN TRAFFIC BY ADAPTING THE HOG DESCRIPTOR AND LEARNING IN LAYERS, Studia Universitatis Babeş-Bolyai, Informatica, Vol. 60 Issue 2, pp. 47-54, 2015	3	1.33
3	Robert Varga, Arthur Coztea, Horatiu Florea, Ion Glosan, Sergiu Nedevschi - Super-sensor for 360-degree Environment Perception: Point Cloud Segmentation Using Image Features, in 20th IEEE International Conference on Intelligent Transportation Systems (ITSC), pp. 1-9, 2017.	Florian Plewak, P Pinggera, M Schäfer, D Peter, et al. - Boosting LIDAR-Based Semantic Labeling by Cross-modal Training Data Generation, ECCV Workshops, Lecture Notes in Computer Science, vol 11134, Springer, Cham, 2018. Dongming Sun, Xiao Huang, and Kailun Yang "A multimodal vision sensor for autonomous driving", Proc. SPIE 11166, Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies III, 111660L (7 October 2019) Florian Plewak ; Peter Pinggera ; Marius Zöllner - Analyzing the Cross-Sensor Portability of Neural Network Architectures for LIDAR-based Semantic Labeling, IEEE Intelligent Transportation Systems Conference (ITSC), 2019. Selma Evelyn Catalina Deac ; Ion Glosan ; Sergiu Nedevschi - Curb detection in urban traffic scenarios using LIDARs point cloud and semantically segmented color images, IEEE Intelligent Transportation Systems Conference (ITSC) 2019.	5 5 5 5	0.8 0.8 0.8 0.8

4	Giosan, I., Nedevschi, S. - A solution for probabilistic inference and tracking of obstacles classification in urban traffic scenarios, in Proceedings - 2012 IEEE 8th International Conference on Intelligent Computer Communication and Processing, ICCP 2012, pp. 221-227, 2012.				2	2	Y. Tian, W. Song, S. Fong, S. Zou, et al. - A 3D Obstacle Classification Method in Point Clouds Using K-NN, Proceedings of the 2018 2nd International Conference on Big Data and Internet of Things, pp. 76-79, 2018
5	Brehar, R., Vancea, C., Marita, T., Giosan, I., Nedevschi, S. - Pedestrian detection in the context of multiple-sensor data alignment for far-infrared and stereo vision sensors, in Proceedings - 2015 IEEE 11th International Conference on Intelligent Computer Communication and Processing, ICCP 2015, pp. 385-392, 2015.				5	0.8	AM Selver, E. Ataç, B. Belenlioglu, S. Dogan, et al. - Visual and LIDAR Data Processing and Fusion as an Element of Real Time Big Data Analysis for Rail Vehicle Driver Support Systems, Innovative Applications of Big Data in the Railway Industry, 2018
6	Patras, L., Giosan, I., Nedevschi, S. - Body gesture validation using multi-dimensional dynamic time warping on Kinect data, in Proceedings - 2015 IEEE 11th International Conference on Intelligent Computer Communication and Processing, ICCP 2015, pp. 301-307, 2015.				3	1.33	Zhilu Chen ; Xinming Huang - Pedestrian Detection for Autonomous Vehicle Using Multi-Spectral Cameras, IEEE Transactions on Intelligent Vehicles (Volume: 4 , Issue: 2 , June 2019)
7	Giosan, I., Nedevschi, S., Pocol, C. - Shape improvement of traffic pedestrian hypotheses by means of stereo-vision and superpixels, in Proceedings - 2015 IEEE 11th International Conference on Intelligent Computer Communication and Processing, ICCP 2015, pp. 217-222, 2015.				3	0	Raluca Brehar ; Flaviu Vancea ; Tiberiu Marita ; Cristian Vancea ; Sergiu Nedevschi - Object Detection in Monocular Infrared Images Using Classification - Regression Deep Learning Architectures, IEEE 15th International Conference on Intelligent Computer Communication and Processing (ICCP) 2019
8	I. Giosan, S. Nedevschi - Superpixel-based Obstacle Segmentation from Dense Stereo Urban Traffic Scenarios Using Intensity, Depth and Optical Flow Information, in 2014 IEEE 17TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS (ITSC), pp. 1662-1668, 2014.				2	2	Mattia Guidolin, Marco Carraro, Stefano Ghidoni, and Emanuele Menegatti - A Umb-based Approach for Body Pose Recognition Using a Predefined Set of Poses, Workshop on Robot Perception of Humans Baden-Baden, Germany, 2018 Ambrozak, A., Rodak, M., Chojacki, A., Borkowski, P. - The RGB and DGB cameras for intuitive smart home control, Scientific Papers of the Faculty of Electrical and Control Engineering at the Gdansk University of Technology, vol. 61, pp. 9-14, 2018
9	Mircea Paul Muresan, Ion Giosan, Sergiu Nedevschi - Real-Time Object Detection Using a Sparse 4-Layer LIDAR in 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), pp. 363-368, 2017.				3	1.33	Takuma Sasaki, Hiroshi Hanatsumi - Stereo Camera-based Pre-Focusing Method and Its Application to Detection of Pedestrians Entering The Street, Journal of the Institute of Industrial Applications Engineers, 2017
10	Gyongyi Jasko, Ion Giosan, Sergiu Nedevschi - Animal Detection from Traffic Scenarios Based on Monocular Color Vision in 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), pp. 363-368, 2017.				3	1.33	Chintaha Premachandran ; Ryo Gohara ; Takao Ninomiya ; Kyotaka Kato - Smooth Automatic Stopping for Ultra-Compact Vehicles, IEEE Transactions on Intelligent Vehicles, Volume: 4 , Issue: 4 , Dec. 2019
					3	0	P. Azevedo et al., "Bio-Inspired Foveated Technique for Augmented-Range Vehicle Detection Using Deep Neural Networks," 2019 International Joint Conference on Neural Networks (IJCNN), Budapest, Hungary, 2019, pp. 1-8.
					3	1.33	Ole Schumann ; Jakob Lombacher ; Markus Hahn ; Christian Wohler ; Jurgen Dickmann - Scene Understanding with Automotive Radar, IEEE Transactions on Intelligent Vehicles, November 2019.
					3	0	Sonain Jamil et al. "Deep Learning and Computer Vision-based a Novel Framework for Himalayan Bear, Marco Polo Sheep and Snow Leopard Detection", International Conference on Information Science and Communication Technology (ICISCT) 2020
					0	0	
					0	0	

Total punctaj / A3.1.2

22

26.89

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, chari, 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, co-chair	http://www.iccp.ro/iccp2015/	2015
2	IEEE Intelligent Computer Communication and Processing - Program Committee, co-chair	http://www.iccp.ro/iccp2016/	2016
3	IEEE Intelligent Computer Communication and Processing - Program Committee, co-chair	http://www.iccp.ro/iccp2017/	2017
4	IEEE Intelligent Computer Communication and Processing - Program Committee	http://www.iccp.ro/iccp2018/	2018
5			
6			

Total Punctaj A3.2 4

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	International Conference on Computer Vision Theory and Applications (VISAPP) - chair	http://www.visapp.vsigtrapp.org/?v=2016	2016
2	IEEE Intelligent Computer Communication and Processing - Program Committee, co-chair	http://www.iccp.ro/iccp2019/	2019
3	IEEE Intelligent Transportation Systems Conference - ITSC 2019, chair, co-chair	https://www.itsc2019.org/	2019
4			

Total Punctaj A3.3 3

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

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

Nr.	Anul	Descriere premiu
1	2018	Best Paper Award 2017 pentru articolul "Super-sensor for 360-degree Environment Perception: Point Cloud Segmentation Using Image Features" la conferinta ITSC 2017
2		
3		
4		

Total Punctaj A3.4 **1**

A3.4.2 Premii nationale in domeniul

Nr.	Anul	Descriere premiu
1		
2		
3		
4		

Total Punctaj A3.4.1 **0**