



AVIZ INDEPLINIRE STANDARDE MINIMALE

In urma analizei dosarului de concurs depus de candidatul ONIGA FLORIN
pentru postul **Profesor 13** din Statul de functii al Departamentului de CALCULATOARE

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

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

Comisia de verificare

Prof.dr.ing. Mihaela Dinsoreanu

Prof.dr.ing. Eva Dulf

Conf.dr.mat. Daniela Inoan

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

Candidat **Conf. Dr. Ing. Florin Oniga** H-index **Web of Science: 13**
Scopus: 16
Google Scholar: 20

Nr. C	Domeniul activ.			Subcategori		Numar	Punctaj
0	1	2	3		4		
1	Activitatea didactica si profesionala (A1)	Carti si capitole de carti de specialitate in edituri recunoscute cu ISBN	Carti, monografii, capitole ca autor	A1.1.1.	Internationale	1	1.8
		Material didactic/lucrari didactice cu ISBN	Manuale didactice	A1.1.2	nationale	2	62.50
				A1.2.1		4	43.5
Total A1						107.8	

2	Activitatea de cercetare (A2)	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings		A2.1		38	533.25
		Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)		A2.2		8	47.5
		Proprietate intelectuala, brevete de inventie, certificate ORDA		A2.3.1	Internationale	0	0
				A2.3.2	nationale	0	0
		Granturi/proiecte castigate, prin competitie, contracte cu terti, valoare minima 10.000 de dolari	Director / responsabil	A2.4.1.1	Internationale	3	40.6
				A2.4.1.2	nationale	0	0
			Membru in echipa	A2.4.2.1	Internationale	12	110
		A2.4.2.2	nationale	12	72		
Total A2						803.3	

3	Impactul activitatii (A3)	Citari in carti, reviste si volume ale unor manifestari stiintifice		A3.1.1	carti, ISI	520	1553.0
				A3.1.2	BDI	108	87.17
		Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice		A3.2	ISI	5	50
				A3.3	BDI	2	12
		Premii in domeniu		A3.4	Premii in domeniu	0	0
Total A3						1702.1	

Conditii minime A1			
Nr.	Domeniu de activitate (A)	Necesar profesor	Realizat
A1	Activitatea didactica / profesionala (A1)	100	107.8
A2	Activitatea de cercetare (A2)	600	803.3
A3	Recunoasterea impactului activitatii (A3)	150	1702.1
Total (A)		850	2613.2

Conditii minime obligatorii pe subcategori			
		Necesar profesor	Realizat
A1.1.1.-A1.1.2	Carti de specialitate	1	2
A1.2.1-A1.2.2	Material didactic / Lucrari didactice	-	4
A2.1.	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	15	38
A2.4.1	Granturi/proiecte castigate prin competitie, contracte cu terti (Director/ responsabil)	2	3
A3.1.1	Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI	25	520
	Factor de impact cumulat pentru publicatii	10	32.9

dintre care 4 Articole in jurnale ISI Q1, unul ISI Q2

Candidat
Conf. Dr. Ing. Florin Oniga

20 Iulie 2020

Anexa: datele pentru calculul indeplinirii criteriilor

A1.1.1. A1.1.2. Carti, monografii, capitole ca autor, internationale si nationale

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Punctaj
1	Sergiu Nedevschi, Radu Danescu, Tiberiu Marița, Florin Oniga, Ciprian Pocol, Silviu Bota, Cristian Vancea	A Sensor for Urban Driving Assistance Systems Based on Dense Stereovision, in "Stereo Vision", book edited by Asim Bhatti, ISBN 978-953-7619-22-0	InTech Europe, Croatia	2008	1.79
2	Sergiu Nedevschi, Radu Dănescu, Florin Oniga, Tiberiu Marița	„Tehnici de viziune artificială aplicate în conducerea automată a autovehiculelor”, ISBN 978-973-662-787-3	U.T.Press Cluj-Napoca	2013	12.5
3	Florin Oniga	„De la bit la procesor. Introducere în arhitectura calculatoarelor”, ISBN 978-606-737-366-0	U.T.Press Cluj-Napoca	2019	50

Total A1.1.1.-A1.1.2

64.29

A1.2.1. Materiale didactice

1	Sergiu Nedevschi, Tiberiu Marița, Radu Dănescu, Florin Oniga, Raluca Brehar, Ionel Giosan, Cristian Viceș	Procesarea imaginilor - Îndrumător de laborator, ISBN 978-973-662-796-5	U.T. Press Cluj-Napoca	2013	5.71
2	Mihai Negru, Florin Oniga, Sergiu Nedevschi	Computer Architecture - Laboratory Guide, ISBN 978-606-737-123-9	U.T. Press Cluj-Napoca	2015	13.33
3	Sergiu Nedevschi, Tiberiu Marița, Radu Dănescu, Florin Oniga, Raluca Brehar, Ionel Giosan, Silviu Bota, Anca Clurte, Andrei Vatavu	Image Processing - Laboratory Guide, ISBN 978-606-737-137-6	U.T. Press Cluj-Napoca	2016	4.44
4	Florin Oniga, Mihai Negru	Arhitectura Calculatoarelor - Îndrumător de laborator, ISBN 978-606-737-350-9	U.T. Press Cluj-Napoca	2019	20

Total A1.2.1

43.49

107.78

A2.1. Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings

Nr.	Autori	Titlu lucrare / revista (conferinta)	Factor de impact	Nr. Autori	Punctaj
1	F. Oniga, S. Nedevschi	"Processing Dense Stereo Data Using Elevation Maps: Road Surface, Traffic Isle, and Obstacle Detection," IEEE Transactions on Vehicular Technology, Vol. 59, Issue 3, 2010, pp. 1172 – 1182, ISSN: 0018-9545.	5.379	2	93.185
2	R. Danescu, F. Oniga, S. Nedevschi	"Modelling and Tracking the Driving Environment with a Particle Based Occupancy Grid", IEEE Transactions on Intelligent Transportation Systems, vol. 12, No. 4, December 2011, pp. 1331-1342.	6.319	3	71.52333333
3	R. Danescu, F. Oniga, V. Turcu, O. Cristea	"Long Baseline Stereovision for Automatic Detection and Ranging of Moving Objects in the Night Sky", Sensors, vol. 12, No. 10, October 2012, pp. 12940-12963.	3.275	4	30.8125
4	S. Nedevschi, V. Popescu, R. Danescu, T. Marița, F. Oniga	"Accurate Ego-Vehicle Global Localization at Intersections Through Alignment of Visual Data With Digital Map", IEEE Transactions on Intelligent Transportation Systems, vol. 14, No. 2, June 2013, pp.673 - 687.	6.319	5	42.914
5	Danescu, R., Pantile, C., Oniga, F., Nedevschi, S.	"Particle grid tracking system stereovision based obstacle perception in driving environments," IEEE Intelligent Transportation Systems Magazine 4 (1), 2012, art. no. 6138940, pp. 6-20	3.363	4	31.4725
6	S. Capolnăean, F. Oniga, R. Danescu	"Obstacle Detection Using a Voxel Octree Representation." In 2019 IEEE 15th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, pp. 3-9. IEEE, September 2019.	0.25	3	10.83333333
7	F. Oniga, S. Nedevschi	"A Fast Ransac Based Approach for Computing the Orientation of Obstacles in Traffic Scenes", 2018 IEEE Intelligent Computer Communication and Processing (ICCP), pp. 209 - 214, Cluj-Napoca, September, 2018. [IEEE/Scopus]	0.25	2	16.25
8	R Brehar, C Vancea, F Oniga, M Negru, S Nedevschi	"A study of the impact of HOG and LBP based temporal association on far infrared pedestrian detection", Intelligent Computer Communication and Processing (ICCP), 2016 IEEE 12th International Conference on pp. 263-268, Cluj-Napoca, September 2016	0.25	5	6.5
9	F. Oniga, S. Prodan, S. Nedevschi	"Traffic light detection on mobile devices," 2015 IEEE Intelligent Computer Communication and Processing, pp. 287-292, Cluj-Napoca, September, 2015.	0.25	3	10.83333333
10	F. Oniga, E. Sarkozi, S. Nedevschi	"Fast obstacle detection using U disparity maps with stereo vision," 2015 IEEE Intelligent Computer Communication and Processing, pp. 203-207, Cluj-Napoca, September, 2015.	0.25	3	10.83333333
11	Radu Danescu, Anca Clurte, Florin Oniga, Octavian Cristea, Paul Dolea, Vlad Dascal, Vlad Turcu, Liviu Mircea, Dan Moldovan	"Surveillance of Medium and High Earth Orbits Using Large Baseline Stereovision", in TIM 2013 PHYSICS CONFERENCE, vol. 1634, pp. 144-150, 2014.	0.25	9	3.611111111
12	A Petrovai, A. Costea, F. Oniga, S. Nedevschi	"Obstacle detection using stereovision for Android based mobile devices," 2014 IEEE Intelligent Computer Communication and Processing, Cluj-Napoca, September 2014.	0.25	4	8.125

13	F. Oniga, A. Trif, S. Nedevschi,	"Stereovision for Obstacle Detection on Smart Mobile Devices: First Results," IEEE Intelligent Transportation Systems Conference 2013 (ITSC 2013), pp. 342-347, Netherlands, 6-9 October 2013.	0.25	3	10.83333333
14	F. Oniga, S. Nedevschi	"Curb Detection for Driving Assistance Systems: A Cubic Spline-Based Approach," Proc. of IEEE Intelligent Vehicles Symposium (IV), 5-9 June 2011, Baden-Baden, Germany, pp. 945-950.	0.25	2	16.25
15	I. Haller, C. Pantilie, F. Oniga, and S. Nedevschi	"Real-time semi global dense stereo solution with improved sub-pixel accuracy," Proc. of IEEE Intelligent Vehicles Symposium (IV), San Diego, CA, 2010, pp. 369-376, ISBN: 978-1-4244-7868-2.	0.25	4	8.125
16	Danescu, R., Oniga, F., Nedevschi, S.	"Particle grid tracking system for stereovision based environment perception", IEEE Intelligent Vehicles Symposium, Proceedings, 2010, San Diego, US, art. no. 5548076, pp. 987-992	0.25	3	10.83333333
17	Sergiu Nedevschi, Radu Danescu, Tiberiu Marita, Florin Oniga, Ciprian Pocol, Silviu Bota, Marc Michael Meinecke, Marian Andrzej Obojski	"On-board 6d visual sensor for intersection driving assistance." Advanced Microsystems for Automotive Applications 2010. Springer, Berlin, Heidelberg, 2010. 253-264.	0.25	8	4.0625
18	F. Oniga, S. Nedevschi, R. Danescu, M. M. Meinecke	"Global map building based on occupancy grids detected from dense stereo in urban environments", IEEE 5th International Conference on Intelligent Computer Communication and Processing Location: Cluj Napoca, ROMANIA Date: AUG 27-29, 2009	0.25	4	8.125
19	Danescu, R.; Lebu, D.; Oniga, F.; Nedevschi, S.; Meinecke, M.-M.	"A Flexible Solution for Detection and Tracking of Multiple Objects " IEEE 5th International Conference on Intelligent Computer Communication and Processing Location: Cluj Napoca, ROMANIA Date: AUG 27-29, 2009	0.25	5	6.5
20	Nedevschi, S.; Marita, T.; Danescu, R.; Oniga, F.; Bota, S.	"On-board Stereo Sensor for Intersection Driving Assistance. Architecture and Specification ", IEEE 5th International Conference on Intelligent Computer Communication and Processing Location: Cluj Napoca, ROMANIA Date: AUG 27-29, 2009	0.25	5	6.5
21	Danescu, R., Oniga, F., Nedevschi, S.; Meinecke, M. M.	"Tracking Multiple Objects Using Particle Filters and Digital Elevation Maps ", IEEE Intelligent Vehicles Symposium Location: Xian, PEOPLES R CHINA Date: JUN 03-05, 2009	0.25	4	8.125
22	Sergiu Nedevschi, Radu Danescu, Tiberiu Marita, Florin Oniga, Ciprian Pocol, Silviu Bota, Marc Michael Meinecke, Marian Andrzej Obojski	Stereovision Based Sensor for Intersection Assistance, In "Advanced Microsystems for Automotive Applications: Smart Systems for Safety, Sustainability, and Comfort", book edited by G. Meyer, J. Valldorf, W. Gessner, ISBN 978-3-642-00744-6	0.25	8	4.0625
23	A. Vatavu, S. Nedevschi, F. Oniga	"Real Time Object Delimiters Extraction for Environment Representation in Driving Scenarios," ICINCO 2009: Proceedings of The 6th International Conference on Informatics In Control, Automation and Robotics, Vol 2: Robotics And Automation, Milan, Italy, pp. 86-93.	0.25	3	10.83333333
24	S. Nedevschi, A. Vatavu, F. Oniga, M-M. Meinecke	"Forward Collision Detection using a Stereo Vision System," Proceedings of 4th International IEEE Conference on Intelligent Computer Communication and Processing, 28-30 Aug. 2008, Cluj-Napoca, Romania, pp 115-122, ISBN 978-1-4244-2673-7.	0.25	4	8.125
25	F. Oniga, S. Nedevschi, M-M. Meinecke	"Curb Segments Detection with Temporal Filtering for Urban Driving," Proceedings of 4th International IEEE Conference on Intelligent Computer Communication and Processing, 28-30 Aug. 2008, Cluj-Napoca, Romania, pp.291-294, ISBN 978-1-4244-2673-7.	0.25	3	10.83333333
26	F. Oniga, S. Nedevschi, M-M. Meinecke	"Curb Detection Based on a Multi-Frame Persistence Map for Urban Driving Scenarios," Proceedings of the 11th International IEEE Conference on Intelligent Transportation Systems, 13-15 Oct. 2008, Beijing, China, pp. 67-72.	0.25	3	10.83333333
27	F. Oniga, S. Nedevschi, M-M. Meinecke, T-B. To	"Road Surface and Obstacle Detection Based on Elevation Maps from Dense Stereo," Proceedings of the 10th International IEEE Conference on Intelligent Transportation Systems, Sept. 30 - Oct. 3, 2007, Seattle, Washington, USA, ISBN: 978-1-4244-1396-6.	0.25	4	8.125
28	S. Nedevschi, R. Danescu, T. Marita, F. Oniga, C. Pocol, S. Sobol, C. Tomiuc, C. Vancea, M.M. Meinecke, T. Graf, T. B. To, M.A. Obojski	"A Sensor for Urban Driving Assistance Systems Based on Dense Stereovision," Proceedings of 2007 IEEE Intelligent Vehicles Symposium, (IV2007), Istanbul, Turkey, June 13-15. 2006, pp 276-283, ISBN 1-4244-1068-1/07.	0.25	12	2.708333333
29	T. Marita, F. Oniga, S. Nedevschi, T. Graf	"Calibration Accuracy Assessment Methods for Stereovision Sensors Used in Vehicles," Proceedings of 3rd International IEEE Conference on Intelligent Computer Communication and Processing, 6-8 Sept. 2007, Cluj Napoca, Romania, pp. 111-118, ISBN 1-4244-149-1.	0.25	4	8.125
30	F. Oniga, S. Nedevschi, M-M. Meinecke	"Curb Detect on Based on Elevation Maps from Dense Stereo," Proceedings of 3rd International IEEE Conference on Intelligent Computer Communication and Processing, pp.119-125, 6-8 Sept. 2007, Cluj-Napoca, Romania, ISBN 1-4244-149-1	0.25	3	10.83333333
31	S. Nedevschi, F. Oniga, R. Danescu, T. Graf, R. Schmidt	"Increased Accuracy Stereo Approach for 3D Lane Detection," Proceedings of IEEE Intelligent Vehicles Symposium, (IV2006), June 13-15, 2006, Tokyo, Japan, pp. 42-49, ISBN 4-901122-86-X.	0.25	5	6.5
32	T. Marita, F. Oniga, S. Nedevschi, T. Graf, R. Schmidt	"Camera Calibration Method for Far Range Stereovision Sensors Used in Vehicles," Proceedings of IEEE Intelligent Vehicles Symposium, (IV2006), June 13-15, 2006, Tokyo, Japan, pp. 356-363, ISBN 4-901122-86-X.	0.25	5	6.5

33	S. Nedevschi, S. Bota, T. Marita, F. Oniga, C. Pocol	"Real-Time 3D Environment Reconstruction Using High Precision Trinocular Stereovision," 2006 IEEE-TTTC International Conference on Automation, Quality&Testing, Robotics AQTR 2006 (THETA 15), May 25-28 2006 Cluj-Napoca, Romania, ISBN 1-4244-0361-8/06.	0.25	5	6.5
34	S. Nedevschi, R. Danescu, T. Marita, F. Oniga, C. Pocol, S. Soboi, T. Graf, R. Schmidt	"Driving Environment Perception Using Stereovision," Proceedings of IEEE Intelligent Vehicles Symposium, (IV2005), June 2005, Las Vegas, USA, pp.331-336., ISBN 0-7803-8961-1/05.	0.25	8	4.0625
35	Nedevschi, S.; Schmidt, R.; Graf, T.; Danescu, R.; Frentiu, D.; Marita, T.; Oniga, F.; Pocol, C.	"3D lane detection system based on stereovision ", 7th IEEE International Conference on Intelligent Transportation Systems Location: Washington, DC Date: 2004	0.25	8	4.0625
36	Nedevschi, S.; Danescu, R.; Frentiu, D.; Marita, T.; Oniga, F.; Pocol, C.; Schmidt, R.; Graf, T.	"High accuracy stereo vision system for far distance obstacle detection", IEEE Intelligent Vehicles Symposium, Parma, ITALY, 2004.	0.25	8	4.0625
37	S. Nedevschi, R. Danescu, D. Frentiu, T. Marita, F. Oniga, C. Pocol	Online detection of dynamic traffic description using stereo sensor, GPS and wireless communication equipped vehicles, in International Conference on Computing, Communications and Control Technologies, Vol 4, Proceedings, pp. 410-415, 2004.	0.25	6	5.416666667
38	S. Nedevschi, R. Danescu, D. Frentiu, T. Marita, F. Oniga, C. Pocol	Real-time extraction of 3D dynamic environment description using multiple stereovision sensors, in CCCT 2003, VOL 3, PROCEEDINGS, pp. 520-524, 2003.	0.25	6	5.416666667

Factor Impact cumulativ

32.905

Total punctaj A2.1.

533.25

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

Nr.	Autori	Titlu lucrare / revista (conferinta)	Baza de date	Nr. Autori	Punctaj
1	A. Trif, F. Oniga, S. Nedevschi	"Stereovision on Mobile Devices for Obstacle Detection in Low Speed Traffic Scenarios," 2013 IEEE Intelligent Computer Communication and Processing, pp. 169 - 174 , Cluj-Napoca, September 5-7, 2013.	IEEE, Scopus	3	6.666666667
2	F. Oniga, M. Miron, R. Danescu, S. Nedevschi	"Automatic recognition of low earth orbit objects from image sequences," 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011 , art. no. 6047892 , pp. 335-338	IEEE, Scopus	4	5
3	Vatau A., Nedevschi S., Oniga F.	Real Time Environment Representation in Driving Scenarios Based on Object Delimiters Extraction. In: Cetto J.A., Filipe J., Ferrier J.L. (eds) Informatics in Control Automation and Robotics. Lecture Notes in Electrical Engineering, vol 85. Springer, Berlin, Heidelberg, 2011	Springerlink	3	6.666666667
4	F. Oniga, S. Nedevschi	"Polynomial Curb Detection Based on Dense Stereovision for Driving Assistance," Proc. of the 13th International IEEE Conference on Intelligent Transportation Systems, 20-22 Sept. 2010, Madeira, Portugal, ISBN:978-1-4244-7657-2.	IEEE, Scopus	2	10
5	F. Oniga, R. Danescu, S. Nedevschi	"Mixed road surface model for driving assistance systems," Proceedings - 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing, ICCP10 , art. no. 5606440 , pp. 185-190	IEEE, Scopus	3	6.666666667
6	A. Vatau, S. Nedevschi, F. Oniga	"Real-time environment representation based on Occupancy Grid temporal analysis using a Dense Stereo-Vision System," Proc. of the IEEE International Conference on Intelligent Computer Communication and Processing, 26-28 aug. 2010 Cluj-Napoca, Romania, pp. 203 - 209, ISBN:978-1-4244-8229-0.	IEEE, Scopus	3	6.666666667
7	S. Nedevschi, R. Danescu, D. Frentiu, T. Marita, F. Oniga, C. Pocol	"Spatial grouping of 3D points from multiple stereovision sensors," Conference Proceeding - IEEE International Conference on Networking, Sensing and Control 2004 , pp. 874-879	IEEE, Scopus	6	3.333333333
8	S. Nedevschi, R. Danescu, D. Frentiu, T. Marita, F. Oniga, C. Pocol, T. Graf, R. Schmidt,	"Stereovision Approach For Obstacle Detection On Non-Planar Roads," IEEE and IFAC International Conference on Informatics in Control, Automation and Robotics, August 2004, Setubal, Portugal, pp. 11-18, ISBN 072-8865-12-0, http://dblp.org/db/conf/icinco/icinco2004.html	DBLP	8	2.5

Total punctaj A2.2.

47.5

A2.4.1. Granturi/proiecte castigate prin competitii: director/responsabil de proiect

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	International	"Measurement of Road Surface Using Stereo", contractor Robert Bosch GmbH, Germania, valoare 63415 Euro	06.2013 - 01.2014	0.7	14
2	International	"Identification of 3D lane boundaries based on road limiting infrastructure and surface discontinuities using stereo measurement", contractor Robert Bosch GmbH, Germania, 71598 Euro	05.2014-02.2015	0.83	16.6
3	International	"Measurement of road surface conditions using stereo", contractor Robert Bosch GmbH, Germania, 79087 Euro	06.2015-12.2015	0.5	10

Total punctaj A2.4.1

40.6

A2.4.2. Granturi/proiecte castigate prin competitii: membru in echipa

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	International	"Autonomous parking and driving UP-DRIVE, Horizon 2020 project (2016-2019).	2016-2019	4	16
2	International	CoMoSeF (2012-2015), "Co-operative Mobility Services of the Future", Eureka European project	2012-2015	3	12
3	International	INTERSAFE-2 (2008-2011), "Cooperative Intersection Safety", European FP7 project	2008-2011	3	12
4	International	PAN ROBOTS (2012-2015), "Plug and Navigate ROBOTS for smart factories", European FP7 project	2012-2015	3	12

5	International	"INSEMTIVES - Incentives for Semantics", FP7 project (2010 – 2012)	2010-2012	1.5	6		
6	International	SCABOR - Stereo Camera-Based Object Recognition, proiect finantat de Volkswagen AG, Germania	2001-2004	4	16		
7	International	DESBOR - Dense Stereo Camera-Based Object Recognition, proiect finantat de Volkswagen AG, Germania	2005-2007	3	12		
8	International	Dense Stereo-Based Object Detection, Tracking and Pedestrian Classification in Traffic environments – DESPED, Volkswagen AG, Germania	2006-2007	2	8		
9	International	STEREOSENS - Stereo Sensor for City Automatic Cruise Control research project funded by Volkswagen AG, Germany, 2007	2007	1	4		
10	International	"Stereo System Modular Design – MODULAR", research project funded by Volkswagen AG, Germany	2008-2009	1	4		
11	International	"Stereo Sensor for Highways – HISENSE, beneficiar Volkswagen AG, Germania	2007	1	4	Total Internationale	
12	International	"Dense STEREO-Based Object Tracking and CLASSification for Pre-Crash-Applications – STEREOCLASS", research project funded by Volkswagen AG, Germany	2008	1	4	110	
13	National	"Perceptie vizuala semantica si control integrat pentru sisteme autonome - SEPICA", PNIII-P4-PCCF	2018-2022	4	8		
14	National	AMHEOS - Automatic Medium and High Earth Orbit Observation System Based on Stereovision, PN II PCCA	2012-2016	4	8		
15	National	LEOSCOOP - "Experimental Low Earth Orbit Surveillance Stereoscope", proiect de tip parteneriat	2008-2011	3	6		
16	National	PERSENS - "Sensorial perception, modelling and representation of the world model for driving assistance systems", PNII-Ideii	2008-2011	3	6		
17	National	SMARTCODRIVE - "Cooperative Advanced Driving Assistance System Based on Smart Mobile Platforms and Road Side Units", PN II PCCA	2012-2016	4	8		
18	National	MULTISENS - "Multi-scale multi-modal perception of dynamic 3D environments based on the fusion of dense stereo, dense optical flow and visual odometry information", PNII-Ideii fundamental research project	2012-2016	4	8		
19	National	"Method and system for real time high-resolution 3D images acquisition based on trinocular stereovision", grant CNCIS	2004-2006	3	6		
20	National	"Telesistența Ultrasonografică în Screeningul și Monitorizarea Hepatocarcinomului – TELEHEPASCAN", Program CEEEX, Contract nr. 3/2005	2005-2008	3	6		
21	National	"Studiul calitativ si cantitativ al elastografiei ultrasonore si angioelastografiei tridimensionale native in depistarea, diagnosticul si monitorizarea prin tehnici neinvazive a cancerului mamar - ELASTOBREAST ", Program CEEEX, Contract nr. 149/2006.	2006-2008	2	4		
22	National	"Tratamentul tumorilor renale prin cirochirurgie laparoscopica, individualizat prin simulare pe model tridimensional reconstituit – CRIOLAPSIM", Program CEEEX, Contract nr. 121/2006.	2006-2008	2	4		
23	National	"Ficatul gras nealcoolic, hepatita virală C și litiaza biliară - Componente ale sindromului metabolic. Epidemiologie clinică, aspecte patogenetice, mijloace neinvazive de diagnostic – FINALISM", Program CEEEX, Contract nr. 94/2006	2006-2008	2	4		
24	National	"Sistem Inteligent de Detectare și Evaluare Neinvazivă a Fibrozei, Restructurării și a Nodurilor Displaziei al Ficatului cu ajutorul Ultrasonografiei 2D/3D și a Markerilor Moleculari – SİDEF", Program CEEEX, Contract nr. 71/2006	2006-2008	2	4	Total Nationale	
Total punctaj A2.4.1					182	72	

A3.1.1. Citari in carti, reviste si volume ale unor manifestari stiintifice (carti, ISI)

Nr.	Articol citat	Articol care citeaza	Numer autori art.citat	Punctaj	Multiplificare Q1/Q2
1	F. Oniga, S. Nedevschi, "Processing Dense Stereo Data Using Elevation Maps: Road Surface, Traffic Isle, and Obstacle Detection," IEEE Transactions on Vehicular Technology, Vol. 59, Issue 3, 2010, pp. 1172 – 1182, ISSN: 0018-9545.	Prakash, C.D., Akhbari, F. and Karam, L.J., 2019. Robust obstacle detection for advanced driver assistance systems using distortions of inverse perspective mapping of a monocular camera. Robotics and Autonomous Systems, 114, pp.172-186.	2	8	2
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187		<p>Low-Obstacle Detection Using Stereo Vision By: Bichsel, Robert; Borges, Paulo V. K. Book Group Author(s): IEEE Conference: IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) Location: Daejeon, SOUTH KOREA Date: OCT 09-14, 2016 Sponsor(s): IEEE; RSJ 2016 IEEE/RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS (IROS 2016) Pages: 4054-4061 Published: 2016</p>	3	2.666666667	1
188		<p>Velodyne-based Curb Detection Up to 50 Meters Away By: Chen, Tongtong; Dai, Bin; Liu, Daxue; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Seoul, SOUTH KOREA Date: JUN 28-JUL 01, 2015 2015 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 241-248 Published: 2015</p>	3	2.666666667	1
189		<p>General-Purpose Road Boundary Detection with Stereo Camera By: Nanri, Takuya; Khlat, Abdelaziz; Furusho, Hiroyuki Book Group Author(s): IEEE Conference: 14th IAPR International Conference on Machine Vision Applications (MVA) Location: Tokyo, JAPAN Date: MAY 18-22, 2015 Sponsor(s): MVA Organisation; IAPR TC-8; National Institute of Advanced Industrial Science and Technology (AIST); The Telecommunications Advancement Foundation; KDDI Foundation 2015 14th IAPR International Conference on Machine Vision Applications (MVA) Pages: 361-364 Published: 2015</p>	3	2.666666667	1

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194	<p> Visual lane analysis and higher-order tasks: a concise review By: Shin, Bok-Suk; Xu, Zezhong; Klette, Reinhard MACHINE VISION AND APPLICATIONS Volume: 25 Issue: 6 Pages: 1519-1547 Published: AUG 2014 </p>	3	5.333333333	2
195	<p> Robust Curb Detection with Fusion of 3D-Lidar and Camera Data By: Tan, Jun; Li, Jian; An, Xiangjing; et al. SENSORS Volume: 14 Issue: 5 Pages: 9046-9073 Published: MAY 2014 </p>	3	5.333333333	2
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207		Gaussian process regression-based robust free space detection for autonomous vehicle by 3-D point cloud and 2-D appearance information fusion By: Xiao, Zhipeng; Dai, Bin; Li, Hongdong; et al. INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS Volume: 14 Issue: 4 Article Number: 1729881417717058 Published: AUG 4 2017	3	2.666666667	1
208		CRF based method for Curb Detection using semantic cues and stereo depth By: Sodhi, Danish; Upadhyay, Sarthak; Bhatt, Dhairat; et al. Book Group Author(s): ACM Conference: 10th Indian Conference on Computer Vision, Graphics and Image Processing (ICVGIP) Location: Indian Inst Technol, Guwahati, INDIA Date: DEC 18-22, 2016 Sponsor(s): Microsoft Res; Google; Qualcomm; NVIDIA; MathWorks; Tata Consultancy Serv TENTH INDIAN CONFERENCE ON COMPUTER VISION, GRAPHICS AND IMAGE PROCESSING (ICVGIP 2016) Published: 2016	3	2.666666667	1
209		Towards Multi-Cue Urban Curb Recognition By: Enzweiler, Markus; Greiner, Pierre; Knoeppel, Carsten; et al. 2013 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 902-907 Published: 2013	3	2.666666667	1
210		Nanri, Takuya, Abdelaziz Khiet, and Hiroyuki Furusho. "General-purpose road boundary detection with stereo camera." In Machine Vision Applications (MVA), 2015 14th IAPR International Conference on, pp. 361-364. IEEE, 2015.	3	2.666666667	1
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216		<p>A System Design for Automotive Augmented Reality Using Stereo Night Vision</p> <p>By: Hosseini, Amin; Bacara, Daniele; Lienkamp, Markus</p> <p>Book Group Author(s): IEEE</p> <p>Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Dearborn, MI Date: JUN 08-11, 2014</p> <p>Sponsor(s): IEEE; IEEE Intelligent Transportat Syst Soc</p> <p>2014 IEEE INTELLIGENT VEHICLES SYMPOSIUM PROCEEDINGS Book Series: IEEE Intelligent Vehicles Symposium Pages: 127-133 Published: 2014</p>	5	1.6	1
217		<p>Continuous Pose Estimation for Stereo Vision based on UV Disparity Applied to Visual Odometry in Urban Environments</p> <p>By: Musleh, Basam; Martin, David; Maria Armingol, Jose; et al.</p> <p>Book Group Author(s): IEEE</p> <p>Conference: IEEE International Conference on Robotics and Automation (ICRA) Location: Hong Kong, PEOPLES R CHINA Date: MAY 31-JUN 07, 2014</p> <p>Sponsor(s): IEEE</p> <p>2014 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (ICRA) Book Series: IEEE International Conference on Robotics and Automation (ICRA) Pages: 3983-3988 Published: 2014</p>	5	1.6	1
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219		<p>Optimization methods to calibrate a stereo rig with increased accuracy for vehicular applications</p> <p>By: Bodis-Szomoru, Andras; Daboczi, Tamas</p> <p>Book Group Author(s): IEEE</p> <p>Conference: 29th Annual IEEE International Instrumentation and Measurement Technology Conference (I2MTC) Location: Graz, AUSTRIA Date: MAY 13-16, 2012</p> <p>Sponsor(s): IEEE; IEEE Instrumentat & Measurement Soc; IEEE Austria Sect; TU Graz; Virtual Vehicle Competence Ctr; Obuda Univ; European Acad Sci & Arts; Austrian Acad Sci; Int Soc Petr Engineers, Drilling Syst Automat Tech Sect; Arbeitskreis Hochschullehrer Messtechnik e.V. (AHMT); Joanneum Res; Austrian Ctr Competence Mechatron (ACCM); Platform Artemis Austria</p> <p>2012 IEEE INTERNATIONAL INSTRUMENTATION AND MEASUREMENT TECHNOLOGY CONFERENCE (I2MTC) Book Series: IEEE Instrumentation and Measurement Technology Conference Pages: 973-978 Published: 2012</p>	5	1.6	1
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240		Keeping the Vehicle on the Road - A Survey on On-Road Lane Detection Systems By: Yenikaya, Sibel; Yenikaya, Gokhan; Duven, Ekrem ACM COMPUTING SURVEYS Volume: 46 Issue: 1 Article Number: 2 Published: OCT 2013	5	3.2	2
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398	<p>A Modified Sequential Monte Carlo Bayesian Occupancy Filter using Linear Opinion Pool for Grid Mapping</p> <p>By: Oh, Sang-Il; Kang, Hang-Bong</p> <p>Book Group Author(s): IEEE</p> <p>Conference: IEEE International Conference on Computer Vision Workshops Location: santigo, CHILE Date: DEC 11-18, 2015</p> <p>Sponsor(s): CPS; IEEE Comp Soc; amazon; Microsoft; SENSETIME; Baidu; Intel; facebook; Adobe; Panasonic; Google; OMRON; blippar; IRobot; HISCENE; nVIDIA; Viscqvery; AICUre; M/Tec</p> <p>2015 IEEE INTERNATIONAL CONFERENCE ON COMPUTER VISION WORKSHOP (ICCVW) Pages: 192-198 Published: 2015</p>	3	2.666666667	1
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400	<p>Person Tracking with Partial Occlusion Handling</p> <p>By: Lu, Xiaofeng; Zhang, Junhao; Song, Li; et al.</p> <p>Book Group Author(s): IEEE</p> <p>Conference: IEEE International Workshop on Signal Processing Systems (SIPS) Location: Hangzhou, PEOPLES R CHINA Date: OCT 14-16, 2015</p> <p>Sponsor(s): IEEE</p> <p>2015 IEEE INTERNATIONAL WORKSHOP ON SIGNAL PROCESSING SYSTEMS (SIPS 2015) Published: 2015</p>	3	2.666666667	1
401	<p>Merging Driver Assistance Decision System Using Occupancy Grid-based Traffic Situation Representation</p> <p>By: Mu, Kenan; Hui, Fei; Zhao, Xiangmo</p> <p>Book Group Author(s): IEEE</p> <p>Conference: 18th IEEE International Conference on Intelligent Transportation Systems Location: SPAIN Date: SEP 15-18, 2015</p> <p>Sponsor(s): IEEE; Int Transportat Syst Soc; CVCEI; Univ Las Palmas Gran Canaria; Ayuntamiento Las Palmas Gran Canaria; LPA; IEEE Comp Soc; Univ Las Palmas Gran Canaria, Inst Univ Ciencias Tecnologias Ciberneticas</p> <p>2015 IEEE 18TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS Book Series: IEEE International Conference on Intelligent Transportation Systems-ITSC Pages: 231-237 Published: 2015</p>	3	2.666666667	1
402	<p>Conditional Monte Carlo Dense Occupancy Tracker</p> <p>By: Rummelhard, Lukas; Negre, Amaury; Laugier, Christian</p> <p>Book Group Author(s): IEEE</p> <p>Conference: 18th IEEE International Conference on Intelligent Transportation Systems Location: SPAIN Date: SEP 15-18, 2015</p> <p>Sponsor(s): IEEE; Int Transportat Syst Soc; CVCEI; Univ Las Palmas Gran Canaria; Ayuntamiento Las Palmas Gran Canaria; LPA; IEEE Comp Soc; Univ Las Palmas Gran Canaria, Inst Univ Ciencias Tecnologias Ciberneticas</p> <p>2015 IEEE 18TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS Book Series: IEEE International Conference on Intelligent Transportation Systems ITSC Pages: 2485-2490 Published: 2015</p>	3	2.666666667	1
403	<p>Continuous Time Estimation for Dynamic Obstacle Tracking</p> <p>By: Ushani, Arash K.; Carievris-Bianco, Nicholas; Cunningham, Alexander G.; et al.</p> <p>Book Group Author(s): IEEE</p> <p>Conference: IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) Location: Hamburg, GERMANY Date: SEP 28-OCT 02, 2015</p> <p>Sponsor(s): IEEE; RSJ; Univ Hamburg; DFG; RA; New Technol Fdn; SICE; KUKA; DJI; Rethink Robot; BOSCH; Chinese Acad Sci, SIAT; Boozhong; Adept; Automatica; HIT; Association of Robotic Companies of China; PCT Robot; P4; Fuyi; Daisheng; Robot; FIA</p>	3	2.666666667	1
404	<p>Theme Classification and Analysis of Core Articles Published in IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS From 2010 to 2013</p> <p>By: Tang, Shaohu; Li, Zhengxi; Chen, Dewang; et al.</p> <p>IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 15 Issue: 6 Pages: 2710-2719 Published: DEC 2014</p>	3	5.333333333	2
405	<p>Dynamic Probabilistic Drivability Maps for Lane Change and Merge Driver Assistance</p> <p>By: Sivaraman, Sayanan; Trivedi, Mohan Manubhai</p> <p>IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 15 Issue: 5 Pages: 2063-2073 Published: OCT 2014</p>	3	5.333333333	2

406		A Robust Motion Detection Technique for Dynamic Environment Monitoring A Framework for Grid-Based Monitoring of the Dynamic Environment By: Baig, Qadeer; Perrollaz, Mathias; Laugier, Christian IEEE ROBOTICS & AUTOMATION MAGAZINE Volume: 21 Issue: 1 Pages: 40-48 Published: MAR 2014	3	5.333333333	2
407		Night-vision Stereo Grid Mapping for Digital Map Localization By: Schuele, Florian; Kraemer, Marc Steven; Schweiger, Roland; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Dearborn, MI Date: JUN 08-11, 2014 Sponsor(s): IEEE; IEEE Intelligent Transportat Syst Soc 2014 IEEE INTELLIGENT VEHICLES SYMPOSIUM PROCEEDINGS Book Series: IEEE Intelligent Vehicles Symposium Pages: 743-749 Published: 2014	3	2.666666667	1
408		Hybrid Sampling Bayesian Occupancy Filter By: Negre, Amaury; Rummelhard, Lukas; Laugier, Christian Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Dearborn, MI Date: JUN 08-11, 2014 Sponsor(s): IEEE; IEEE Intelligent Transportat Syst Soc 2014 IEEE INTELLIGENT VEHICLES SYMPOSIUM PROCEEDINGS Book Series: IEEE Intelligent Vehicles Symposium Pages: 1307-1312 Published: 2014	3	2.666666667	1
409		Road intersection detection and classification using hierarchical SVM classifier By: Rebal, Karima; Achour, Nouara; Azouabou, Ouahiba ADVANCED ROBOTICS Volume: 28 Issue: 14 Pages: 929-941 Published: 2014	3	2.666666667	1
410		Grid-based Mapping and Tracking in Dynamic Environments using a Uniform Evidential Environment Representation By: Tanzmeister, Georg; Thomas, Julian; Wollherr, Dirk; et al. Book Group Author(s): IEEE Conference: IEEE International Conference on Robotics and Automation (ICRA) Location: Hong Kong, PEOPLES R CHINA Date: MAY 31 JUN 07, 2014	3	2.666666667	1
411		Vehicle Detection by Independent Parts for Urban Driver Assistance By: Sivaraman, Sayanan; Trivedi, Mohan Manubhai IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 14 Issue: 4 Pages: 1597-1608 Published: DEC 2013	3	5.333333333	2
412		Looking at Vehicles on the Road: A Survey of Vision-Based Vehicle Detection, Tracking, and Behavior Analysis By: Sivaraman, Sayanan; Trivedi, Mohan Manubhai IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 14 Issue: 4 Pages: 1773-1795 Published: DEC 2013	3	5.333333333	2
413		A Fast Evolutionary Algorithm for Real-Time Vehicle Detection By: Vinh Dinh Nguyen; Thuy Tuong Nguyen; Dung Duc Nguyen; et al. IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY Volume: 62 Issue: 6 Pages: 2453-2468 Published: JUL 2013	3	5.333333333	2
414		Simultaneous Tracking and Shape Estimation with Laser Scanners By: Schuetz, Markus; Appenrodt, Nils; Dickmann, Juergen; et al. Book Group Author(s): IEEE Conference: 16th International Conference on Information Fusion (FUSION) Location: Istanbul, TURKEY Date: JUL 09-12, 2013	3	2.666666667	1
415		A Review of Recent Developments in Vision-Based Vehicle Detection By: Sivaraman, Sayanan; Trivedi, Mohan M. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Gold Coast, AUSTRALIA Date: JUN 23-26, 2013	3	2.666666667	1
416		Merge Recommendations for Driver Assistance: A Cross-Modal, Cost-Sensitive Approach By: Sivaraman, Sayanan; Trivedi, Mohan M.; Toppelhofer, Mario; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Gold Coast, AUSTRALIA Date: JUN 23-26, 2013	3	2.666666667	1
417		Road Course Estimation in Unknown, Structured Environments By: Tanzmeister, Georg; Friedl, Martin; Lawitzky, Andreas; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Gold Coast, AUSTRALIA Date: JUN 23-26, 2013	3	2.666666667	1

418		Hierarchical SVM Classifier for Road Intersection Detection and Recognition By: Rebal, K.; Achour, N.; Azouaoui, D. Book Group Author(s): IEEE Conference: IEEE Conference on Open Systems (ICOS) Location: Kuching, MALAYSIA Date: DEC 02-04, 2013	3	2.666666667	1
419		A Visibility-Based Approach for Occupancy Grid Computation In Disparity Space By: Perrollaz, Mathias; Yoder, John-David; Negre, Amaury; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 13 Issue: 3 Special Issue: SI Pages: 1383-1393 Published: SEP 2012	3	5.333333333	2
420		Taking Mobile Multi-object Tracking to the Next Level: People, Unknown Objects, and Carried Items By: Mitzel, Dennis; Leibe, Bastian Edited by: Fitzgibbon, A.; Lazebnik, S.; Perona, P.; et al. Conference: 12th European Conference on Computer Vision (ECCV) Location: Florence, ITALY Date: OCT 07-13, 2012	3	2.666666667	1
421		Extended occupation grids for non-rigid moving objects tracking By: Lefaudaux, Benjamin; Gate, Gwennael; Nashashibi, Fawzi Book Group Author(s): IEEE Conference: 14th International IEEE Conference on Intelligent Transportation Systems (ITSC) Location: Campus George Washington Univ (GWU), Washington, DC Date: OCT 05-07, 2011	3	2.666666667	1
422	S. Nedevschi, R. Danescu, T. Marita, F. Oniga, C. Pocol, S. Sobol, C. Tomiuç, C. Vancea, M.M. Meinecke, T. Graf, T. B. To, M.A. Obojski, "A Sensor for Urban Driving Assistance Systems Based on Dense Stereovision," Proceedings of 2007 IEEE Intelligent Vehicles Symposium, (IV2007), Istanbul, Turkey, June 13-15, 2006, pp 276-283, ISBN 1-4244-1058-1/07.	Embedded implementation of a Real-Time Motion Estimation Method in Video Sequences By: Bako, Laszlo; Hajdu, Szabolcs; Brassai, Sandor-Tihomer; et al. Edited by: Moldovan, L. Conference: 9th International Conference on Interdisciplinarity in Engineering (INTER-ENG) Location: Univ Tirgu Mure, Fac Engr, Tirgu Mures, ROMANIA Date: OCT 08-09, 2015	12	0.666666667	1
423		Embedded Implementation of a Resource-Efficient Optical Flow Extraction Method By: Bako, Laszlo; Brassai, Sandor-Tihomer; Enachescu, Cailin Edited by: David, L. Conference: 5th International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics (MACRO) Location: Sapientia Univ, Fac Tech & Human Sci, Tirgu Mures, ROMANIA Date: MAR 06-07, 2015	12	0.666666667	1
424		Accurate 3D-vision-based obstacle detection for an autonomous train By: Weichselbaum, Johann; Zinner, Christian; Gebauer, Oliver; et al. COMPUTERS IN INDUSTRY Volume: 64 Issue: 9 Special Issue: SI Pages: 1209-1220 Published: DEC 2013	12	0.666666667	1
425		A 2D/3D Vision Based Approach Applied to Road Detection in Urban Environments By: Vitor, Giovanni B.; Lima, Danilo A.; Victorino, Alessandro C.; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Gold Coast, AUSTRALIA Date: JUN 23-26, 2013, Pages: 952-957	12	0.666666667	1
426		Designing an integrated driver assistance system using image sensors By: Akhlag, M.; Sheitami, Tarek R.; Helgeson, Bo; et al. JOURNAL OF INTELLIGENT MANUFACTURING Volume: 23 Issue: 6 Special Issue: SI Pages: 2109-2132 Published: DEC 2012	12	0.666666667	1
427		Stereo-Camera-Based Urban Environment Perception Using Occupancy Grid and Object Tracking By: Thien-Nghia Nguyen; Michaelis, Bernd; Al-Hamadi, Ayoub; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 13 Issue: 1 Pages: 154-165 Published: MAR 2012	12	1.333333333	2
428		A Real-Time Lane Detection Algorithm Based on Intelligent CCD Parameters Regulation By: Ge, Ping-shu; Guo, Lie; Xu, Guo-kai; et al. DISCRETE DYNAMICS IN NATURE AND SOCIETY Article Number: 273164 Published: 2012	12	0.666666667	1

429	Moving Objects Detection and Recognition using Sparse Spatial Information in Urban Environments By: Li, You; Ruichek, Yassine Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Alcalá de Henares, SPAIN Date: JUN 03-07, 2012 Sponsor(s): IEEE 2012 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Pages: 1060-1065 Published: 2012	12	0.666666667	1
430	Sparse Scene Flow Segmentation for Moving Object Detection in Urban Environments By: Lenz, Philipp; Ziegler, Julius; Geiger, Andreas; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Baden-Baden, GERMANY Date: JUN 05-09, 2011, Pages: 926-932	12	0.666666667	1
431	A real-time versatile roadway path extraction and tracking on an FPGA platform By: Marzotto, Roberto; Zoratti, Paul; Bagni, Daniele; et al. COMPUTER VISION AND IMAGE UNDERSTANDING Volume: 114 Issue: 11 Pages: 1164-1179 Published: NOV 2010	12	1.333333333	2
432	3D Pose Estimation of Vehicles Using a Stereo Camera By: Barrois, Björn; Hristova, Stela; Woehler, Christian; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Xian, PEOPLES R CHINA Date: JUN 03-05, 2009, Pages: 267-272	12	0.666666667	1
433	Optimized Grid-Based Environment Perception in Advanced Driver Assistance Systems By: Nguyen, T.-N.; Meinecke, M.-M.; Tarnow, M.; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Xian, PEOPLES R CHINA Date: JUN 03-05, 2009, Pages: 425-430	12	0.666666667	1
434	Stereo-based free space computation in complex traffic scenarios By: Badino, Hernan; Mester, Rudolf; Vaudrey, Toby; et al. Book Group Author(s): IEEE Conference: IEEE Southwest Symposium on Image Analysis and Interpretation Location: Santa Fe, NM Date: MAR 24-26, 2008, Pages: 189-192	12	0.666666667	1
435	I. Haller, C. Pantile, F. Oniga, and S. Nedevski, "Real-time semi-global dense stereo solution with improved sub-pixel accuracy," Proc. of IEEE Intelligent Vehicles Symposium (IV), San Diego, CA, 2010, pp. 369-376, ISBN: 978-1-4244-7868-2. An efficient hardware-oriented stereo matching algorithm By: Cocorullo, Giuseppe; Consonello, Pasquale; Frustaci, Fabio; et al. MICROPROCESSORS AND MICROSYSTEMS Volume: 46 Pages: 21-33 Part: A Published: OCT 2016	4	2	1
436	An Improved 2D Cost Aggregation Method for Advanced Driver Assistance Systems By: Ha, JeongMok; Jeon, Byeongchan; Jun, WooYeol; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Seoul, SOUTH KOREA Date: JUN 28-JUL 01, 2015	4	2	1
437	Dynamic objects detection through visual odometry and stereo-vision: a study of inaccuracy and improvement sources By: Bak, Adrien; Bouchafa, Samia; Aubert, Didier MACHINE VISION AND APPLICATIONS Volume: 25 Issue: 3 Special Issue: SI Pages: 681-697 Published: APR 2014	4	4	2
438	3DV-An Embedded Dense Stereovision-based Depth Mapping System By: Camellini, Gabriele; Felisa, Mirko; Medici, Paolo; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Dearborn, MI Date: JUN 08-11, 2014	4	2	1
439	A fast and accurate calibration method for the structured light system based on trapezoidal phase-shifting pattern By: Ke, Fengkai; Xie, Jingming; Chen, Youping; et al. OPTIK Volume: 125 Issue: 18 Pages: 5249-5253 Published: 2014	4	2	1
440	Wide Range Depth Estimation from Two Blurred Images with Tilted Lens Optics By: Okuwaki, Maiki; Ikeoka, Hiroshi; Hamamoto, Takayuki Book Group Author(s): IEEE Conference: International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS) Location: Sawarak, MALAYSIA Date: DEC 01-04, 2014	4	2	1
441	Looking at Vehicles on the Road: A Survey of Vision-Based Vehicle Detection, Tracking, and Behavior Analysis By: Sivaraman, Sayanan; Trivedi, Mohan Manubhai IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 14 Issue: 4 Pages: 1773-1795 Published: DEC 2013	4	4	2

442		SGM-based dense disparity estimation using adaptive Census transform By: Lohman, Maziar; Kim, Joohee Book Group Author(s): IEEE Conference: 2nd International Conference on Connected Vehicles and Expo (ICCVE) Location: Las Vegas, NV Date: DEC 02-06, 2013	4	2	1
443		Adaptive Census Transform: A novel hardware-oriented stereovision algorithm By: Perri, Stefania; Corsonello, Pasquale; Cocorullo, Giuseppe COMPUTER VISION AND IMAGE UNDERSTANDING Volume: 117 Issue: 1 Pages: 29-41 Published: JAN 2013	4	4	2
444		Evaluation of a New Coarse-to-Fine Strategy for Fast Semi-Global Stereo Matching By: Hermann, Simon; Klette, Reinhard Edited by: Ho, YS Conference: 5th Pacific Rim Symposium on Video and Image Technology Location: Gwangju, SOUTH KOREA Date: NOV 20-23, 2011	4	2	1
445		Half Resolution Semi-Global Stereo Matching By: Hermann, Simon; Morales, Sandino; Klette, Reinhard Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Baden-Baden, GERMANY Date: JUN 05-09, 2011	4	2	1
446		Stereo obstacle detection in challenging environments: the VIAC experience By: Broggi, Alberto; Buzzoni, Michele; Felisa, Mirko; et al. Book Group Author(s): IEEE Conference: IEEE/RSJ International Conference on Intelligent Robots and Systems Location: San Francisco, CA Date: SEP 25-30, 2011	4	2	1
447		Mid level Segmentation and Segment Tracking for Long Range Stereo Analysis By: Hermann, Simon; Boerner, Anko; Klette, Reinhard Edited by: Ho, YS Conference: 5th Pacific Rim Symposium on Video and Image Technology Location: Gwangju, SOUTH KOREA Date: NOV 20-23, 2011	4	2	1
448	Sergiu Nedevschi, Radu Danescu, Tiberiu Marita, Florin Oniga, Ciprian Pocol, Silviu Bota, Marc Michael Meinecke, Marian Andzej Obojski, Stereovision-Based Sensor for Intersection Assistance, in "Advanced Microsystems for Automotive Applications: Smart Systems for Safety, Sustainability, and Comfort", book edited by G. Meyer, J. Valldorf, W. Gessner. ISBN 978-3-642-00744-6	Fusion Between Laser and Stereo Vision Data For Moving Objects Tracking in Intersection Like Scenario By: Belg, Qadeer; Aycard, Olivier; Vu, Trung Dung; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Baden Baden, GERMANY Date: JUN 05-09, 2011 Sponsor(s): IEEE 2011 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 362-367	8	1	1
449		Online Localization and Mapping with Moving Objects Detection in Dynamic Outdoor Environments By: Belg, Qadeer; Vu, Trung Dung; Aycard, Olivier Edited by: Letia, IA Conference: IEEE 5th International Conference on Intelligent Computer Communication and Processing Location: Cluj Napoca, ROMANIA Date: AUG 27-29, 2009 Sponsor(s): IEEE 2009 IEEE 5TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS Book Series: International Conference on Intelligent Computer Communication and Processing ICCP Pages: 401-408	8	1	1
450	S. Nedevschi, V. Popescu, R. Danescu, T. Marita, F. Oniga, "Accurate Ego-Vehicle Global Localization at Intersections Through Alignment of Visual Data With Digital Map", IEEE Transactions on Intelligent Transportation Systems, vol. 14, No. 2, June 2013, pp.673-687.	3D LIDAR-Based Precision Vehicle Localization with Movable Region Constraints By: Hsu, Chih-Ming; Shiu, Chung-Wel SENSORS Volume: 19 Issue: 4 Article Number: 942 Published: FEB 2 2019	5	3.2	2

451		Estimation of the Lateral Distance between Vehicle and Lanes Using Convolutional Neural Network and Vehicle Dynamics By: Zhang, Xiang; Yang, Wei; Tang, Xiaolin; et al. APPLIED SCIENCES-BASEL Volume: 8 Issue: 12 Article Number: 2508 Published: DEC 2018	5	1.6	1
452		Lane Endpoint Detection and Position Accuracy Evaluation for Sensor Fusion-Based Vehicle Localization on Highways By: Jang, Eun Seok; Suhr, Jae Kyu; Jung, Ho Gi SENSORS Volume: 18 Issue: 12 Article Number: 4389 Published: DEC 2018	5	3.2	2
453		A High-Definition Road-Network Model for Self-Driving Vehicles By: Zheng, Ling; Li, Bijun; Zhang, Hongquan; et al. ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION Volume: 7 Issue: 11 Article Number: 417 Published: NOV 2018	5	1.6	1
454		FAST Pre-Filtering-Based Real Time Road Sign Detection for Low-Cost Vehicle Localization By: Choi, Kyoungtaek; Suhr, Jae Kyu; Jung, Ho Gi SENSORS Volume: 18 Issue: 10 Article Number: 3590 Published: OCT 2018	5	3.2	2
455		Multiscale Site Matching for Vision-Only Self-Localization of Intelligent Vehicles By: Li, Yicheng; Hu, Zhaozheng; Li, Zhixiong; et al. IEEE INTELLIGENT TRANSPORTATION SYSTEMS MAGAZINE Volume: 10 Issue: 3 Pages: 170-183 Published: FAL 2018	5	3.2	2
456		A two-wheeled vehicle oriented lane detection algorithm By: Nava, Darlo; Penzani, Giulio; Zamperi, Pierluigi; et al. Conference: 21st IEEE International Conference on Intelligent Transportation Systems (ITSC) Location: Maui, HI Date: NOV 04-07, 2018 Sponsor(s): IEEE; IEEE Intelligent Transportat Syst Soc 2018 21ST INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS (ITSC) Book Series: IEEE International Conference on Intelligent Transportation Systems-ITSC Pages: 423-428 Published: 2018	5	1.6	1
457		Lane Detection Based Camera to Map Alignment Using Open-Source Map Data By: Flada, Benedict; Nieto, Marcos; Velez, Gorka; et al. Conference: 21st IEEE International Conference on Intelligent Transportation Systems (ITSC) Location: Maui, HI Date: NOV 04-07, 2018 Sponsor(s): IEEE; IEEE Intelligent Transportat Syst Soc 2018 21ST INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS (ITSC) Book Series: IEEE International Conference on Intelligent Transportation Systems-ITSC Pages: 890-897 Published: 2018	5	1.6	1
458		Exploitation of road signalling for localization refinement of autonomous vehicles By: D'Orazio, Leandro; Conci, Nicole; Stoffella, Filippo Conference: International Conference of Electrical and Electronic Technologies for Automotive Location: Milan, ITALY Date: JUL 09-11, 2018 Sponsor(s): AEIT; Int Microelectron & Packaging Soc Italian Chapter; Politecnico; Fondazione Politecnico Milano; Politecnico Torino; Citta Metropolitana Milano; Assolombarda; Societa Italiana Elettronica; IEEE; Ies 2018 INTERNATIONAL CONFERENCE OF ELECTRICAL AND ELECTRONIC TECHNOLOGIES FOR AUTOMOTIVE Published: 2018	5	1.6	1
459		Data-Driven Approach to Using Uniform Experimental Design to Optimize System Compensation Parameters for an Auto-Alignment Machine By: Tsai, Jinn-Tsong; Yang, Po-Yuan; Chou, Jyh-Horng IEEE ACCESS Volume: 6 Pages: 40365-40378 Published: 2018	5	3.2	2
460		Estimation of Vehicle Pose and Position with Monocular Camera at Urban Road Intersections By: Yuan, Jin Zhao; Chen, Hui; Zhao, Bin; et al. JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY Volume: 32 Issue: 6 Pages: 1150-1161 Published: NOV 2017	5	1.6	1
461		Sensor Fusion-Based Low-Cost Vehicle Localization System for Complex Urban Environments By: Suhr, Jae Kyu; Jang, Jeungin; Min, Daehong; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 18 Issue: 5 Pages: 1078-1086 Published: MAY 2017	5	3.2	2
462		Facades Structure Detection by Geometric Moment By: Jiang, Diqiong; Chen, Hui; Song, Rui; et al. Edited by: Jiang, X; Arai, M; Chen, G Conference: 2nd International Workshop on Pattern Recognition Location: Singapore, SINGAPORE Date: MAY 01-03, 2017	5	1.6	1
463		Optimization of 3D building models by GPS measurements By: Wada, Yutaru; Hsu, Li-Ta; Gu, Yanlei; et al. GPS SOLUTIONS Volume: 21 Issue: 1 Pages: 65-78 Published: JAN 2017	5	1.6	1

464	Lane-precise Localization of Intelligent Vehicles Using the Surrounding Object Constellation By: Kuhn, Florian; Orf, Stefan; Klemm, Sebastian; et al. Book Group Author(s): IEEE Conference: 19th IEEE International Conference on Intelligent Transportation Systems (ITSC) Location: Rio de Janeiro, BRAZIL Date: NOV 01-04, 2016	5	1.6	1
465	SLAM with 3Dimensional-GNSS By: Gu, Yanlei; Wada, Yutaro; Hsu, Li-Ta; et al. Book Group Author(s): IEEE Conference: IEEE/ION Position, Location and Navigation Symposium (PLANS) Location: Savannah, GA Date: APR 11-14, 2016	5	1.6	1
466	Accurate lateral positioning from map data and road marking detection By: Gruyer, Dominique; Belaroussi, Rachid; Revilloud, Marc EXPERT SYSTEMS WITH APPLICATIONS Volume: 43 Pages: 1-8 Published: JAN 2016	5	1.6	1
467	Passive Sensor Integration for Vehicle Self-Localization in Urban Traffic Environment By: Gu, Yanlei; Hsu, Li-Ta; Kamijo, Shunsuke SENSORS Volume: 15 Issue: 12 Pages: 30199-30220 Published: DEC 2015	5	3.2	2
468	Automatic Detection and Classification of Road Lane Markings Using Onboard Vehicular Cameras By: de Paula, Mauricio Braga; Jung, Claudio Rosito IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 16 Issue: 6 Published: DEC 2015	5	3.2	2
469	On Enhancing Lane Estimation Using Contextual Cues By: Setzoda, Ravi Kumar; Trivedi, Mohan Manubhai IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY Volume: 25 Issue: 11 Pages: 1870-1881 Published: NOV 2015	5	3.2	2
470	Multispectral Stereo Odometry By: Moust, Tarek; Aouf, Nabil; Domingo Seppa, Angel; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 16 Issue: 3 Pages: 1210-1224 Published: JUN 2015	5	3.2	2
471	Drive Analysis Using Vehicle Dynamics and Vision-Based Lane Semantics By: Setzoda, Ravi Kumar; Trivedi, Mohan Manubhai IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 16 Issue: 1 Pages: 9-18 Published: FEB 2015	5	3.2	2
472	Rectification of 3D Building Models Based on GPS Signal Collected by Vehicle By: Hsu, Li-Ta; Wada, Yutaro; Gu, Yanlei; et al. Book Group Author(s): IEEE Conference: IEEE International Conference on Vehicular Electronics and Safety (ICVES) Location: Yokohama, JAPAN Date: NOV 05-07, 2015	5	1.6	1
473	Correction of Vehicle Positioning Error Using 3D-map-GNSS and Vision-based Road Marking Detection By: Gu, Yanlei; Hsu, Li-Ta; Kamijo, Shunsuke Book Group Author(s): IEEE Conference: IEEE International Conference on Vehicular Electronics and Safety (ICVES) Location: Yokohama, JAPAN Date: NOV 05-07, 2015	5	1.6	1
474	Fast Symbolic Road Marking and Stop-line Detection for Vehicle Localization By: Suhr, Jae Kyu; Jung, Ho Gi Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Seoul, SOUTH KOREA Date: JUN 28-JUL 01, 2015	5	1.6	1
475	Accurate Ego-Lane Recognition utilizing Multiple Road Characteristics in a Bayesian Network Framework By: Lee, Soomok; Kim, Seong-Woo; Seo, Seung-Woo Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Seoul, SOUTH KOREA Date: JUN 28-JUL 01, 2015	5	1.6	1
476	GNSS/INS/On-Board Camera Integration for Vehicle Self-Localization in Urban Canyon By: Kamijo, Shunsuke; Gu, Yanlei; Hsu, Li-Ta Book Group Author(s): IEEE Conference: 18th IEEE International Conference on Intelligent Transportation Systems Location: SPAIN Date: SEP 15-18, 2015	5	1.6	1

477		Vision-Based Vehicle Localization Using a Visual Street Map with Embedded SURF Scale By: Wong, David; Deguchi, Daisuke; Ide, Ichiro; et al. Edited by: Agapito, L; Bronstein, MM; Rother, C Conference: 13th European Conference on Computer Vision (ECCV) Location: Zurich, SWITZERLAND Date: SEP 06-12, 2014	5	1.6	1
478		Vision-Based Lane Analysis: Exploration of Issues and Approaches for Embedded Realization By: Setzode, Ravi Kumar; Trivedi, Mohan M. Edited by: Kiseanin, B; Gelautz, M ADVANCES IN EMBEDDED COMPUTER VISION Book Series: Advances in Computer Vision and Pattern Recognition Pages: 217-235 Published: 2014	5	1.6	1
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482		Single Camera Vehicle Localization using SURF Scale and Dynamic Time Warping By: Wong, David; Deguchi, Daisuke; Ide, Ichiro; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Dearborn, MI Date: JUN 08-11, 2014	5	1.6	1
483		Lane-level Localization Based on Situational Awareness on Highway By: Kim, Heong-tee; Song, Bongsob; Kang, Yeonsik Book Group Author(s): IEEE Conference: 6th International Conference on Ubiquitous and Future Networks (ICUFN) Location: Shanghai, PEOPLES R CHINA Date: JUL 08-11, 2014	5	1.6	1
484		Time Sequence based Lane-marking Identification By: Li JJun-Hung; Huo, Chih-Li; Yu, Yu-Hsiang; et al. Edited by: Szekal, A Conference: IEEE International Conference on System Science and Engineering (ICSSSE) Location: Budapest, HUNGARY Date: JUL 04-06, 2013	5	1.6	1
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Total punctaj A3.1.1.

1552.96

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

Nr.	Articol citat	Articol care citeaza	Numar autori art.citat	Punctaj
1	F. Oniga, S. Nedevschi, "Processing Dense Stereo Data Using Elevation Maps: Road Surface, Traffic Isle, and Obstacle Detection," IEEE Transactions on Vehicular Technology, Vol. 59, Issue 3, 2010, pp. 1172 – 1182, ISSN: 0018-9545.	Sandhu M, Upadhyay S, Krishna M, Medasani S. Motion Segmentation Using Spectral Clustering on Indian Road Scenes. In Proceedings of the European Conference on Computer Vision (ECCV) 2018 (pp. 0-0).	2	2
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Total punctaj A3.1.2.

87.17

A3.3. Membru in colectivele de redactie

Nr.	Nume jurnal/conferinta	URL	Tip (ISI/BDI)	Punctaj
1	IEEE 15th International Conference on Intelligent Computer Communication and Processing September 6-8, 2018, Cluj-Napoca, Romania	www.iccp.ro	ISI	10
2	IEEE 14th International Conference on Intelligent Computer Communication and Processing September 6-8, 2018, Cluj-Napoca, Romania	www.iccp.ro	ISI	10
3	IEEE 13th International Conference on Intelligent Computer Communication and Processing September 7-9, 2017, Cluj-Napoca, Romania	www.iccp.ro	BDI	6
4	IEEE 12th International Conference on Intelligent Computer Communication and Processing September 8-10, 2016, Cluj-Napoca, Romania	www.iccp.ro	ISI	10
5	IEEE 11th International Conference on Intelligent Computer Communication and Processing September 3-5, 2015, Cluj-Napoca, Romania	www.iccp.ro	ISI	10
6	IEEE 10th International Conference on Intelligent Computer Communication and Processing September 4-6, 2014, Cluj-Napoca, Romania	www.iccp.ro	ISI	10

7	IEEE 9th International Conference on Intelligent Computer Communication and Processing September 5-7, 2013, Cluj- Napoca, Romania	http://www.iccp.ro/iccp2013/	BDI	6
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Total puncte A3.1.2.

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