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

Candidat   **Conf. Dr. Ing. Florin Oniga**

H-index Web of Science: 13
Scopus: 16
Google Scholar: 19

Nr. Cr	Domeniul activ.				Subcategorii		Numar	Punctaj
0	1	2		3		4		
	Activitatea	Carti si capitole de carti de	Carti, monografii,	A1.1.1.		Internationale	1	1.8
1	**didactica si**	specialitate in edituri recunoscute cu ISBN	capitole ca autor	A1.1.2		nationale	2	64.29
	profesionala (A1)	Material didactic/lucrari didactice cu ISBN	Manuale didactice	A1.2.1			4	43.5
							Total A1	**109.6**
		Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings		A2.1			36	447.09
		Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)		A2.2			8	47.5
2	**Activitatea de cercetare (A2)**	Proprietate intelectuala, brevete de		A2.3.1		Internationale	0	0
		inventie, certificate ORDA		A2.3.2		nationale	0	0
			Director / responsabil	A2.4.1.1		Internationale	3	40.6
		Granturi/proiecte castigate, prin competitie, contracte cu terti, valoare minima 10.000 de dolari		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	**717.2**
		Citari in carti, reviste si volume ale unor		A3.1.1		carti, ISI	451	1198.36
		manifestari stiintifice		A3.1.2		BDI	127	100.37
	Impactul activitatii	Membru in colectivele de redactie sau comitete stiintifice		A3.2		ISI	3	30
3	**(A3)**	ale revistelor, organizator de manifestari stiintifice		A3.3		BDI	2	12
		Premii in domeniu		A3.4		Premii in domeniu	0	0
							Total A3	**1340.7**

Conditii minimale Ai			
Nr.	**Domeniu de activitate (A)**	**Necesar profesor**	**Realizat**
A1	**Activitatea didactica / profesionala (A1)**	100	**109.6**
A2	**Activitatea de cercetare (A2)**	600	**717.2**
A3	**Recunoasterea impactului activitatii (A3)**	150	**1340.7**
Total (A)		850	**2167.48**

Conditii minimale obligatorii pe subcategorii		**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	**36**	**dintre care 4 Articole in jurnale ISI Q1, unul ISI Q2**
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	**451**	
	Factor de impact cumulat pentru publicatii	10	**25.78**	

Candidat

Conf. Dr. Ing. Florin Oniga   5 Mai 2019

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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 Marita, 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

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Punctaj
1	Sergiu Nedevschi, Tiberiu Marița, Radu Dănescu, Florin Oniga, Raluca Brehar, Ionel Giosan, Cristian Vicaş	Procesarea imaginilor - indrumator 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 Ciurte, 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 in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings

Nr.	Autori	Titlu lucrare / revista (conferinta)	Factor de impact	Nr. Autori	Punctaj
1	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.	4.432	2	78.98
2	R. Danescu, F. Oniga, S. Nedevschi	"Modeling 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.	4.051	3	48.84333333
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.	2.475	4	24.8125
4	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 .	4.051	5	29.306
5	Danescu, R., Pantilie, 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	3.019	4	28.8925
6	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", ntelligent Computer Communication and Processing (ICCP), 2016 IEEE 12th International Conference on pp. 263-268, Cluj-Napoca, September 2016	0.25	5	6.5
7	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
8	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
9	Radu Danescu, Anca Ciurte, 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
10	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
11	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
12	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
13	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

14	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
15	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
16	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
17	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
18	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
19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	F. Oniga, S. Nedevschi, M-M. Meinecke	"Curb Detection 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
29	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
30	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
31	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
32	S. Nedevschi, R. Danescu, T. Marita, F. Oniga, C. Pocol, S. Sobol, 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
33	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
34	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

35	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
36	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 cumulat	25.778	
	Total punctaj A2.1.		447.09

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	Vatavu A., Nedevschi S., Oniga F.	Real Time Environment Representation in Driving Scenarios Based on Object Delimiters Extraction. In: Cetto J.A., Filipe J., Ferrier JL. (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. Vatavu, 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 competitie: 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 competitie: membru in echipa

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj	
1	International	"Autonomous parkingand 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,Germany	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 - SEPCA", 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	LEOSCOP - "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-Idei	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-Idei 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 CNCSIS	2004-2006	3	6	
20	National	"Teleasistenţa Ultrasonografică în Screeningul şi Monitorizarea Hepatocarcinomului – TELEHEPASCAN", Program CEEX, Contract nr. 3/2005	2005-2008	3	6	
21	National	"Studiul calitativ si cantitativ al elastografiei ultrasonore si angioultrasonografiei tridimensionale native in depistarea, diagnosticul si monitorizarea prin tehnici neinvazive a cancerului mamar - ELASTOBREAST ", Program CEEX, Contract nr. 149/2006.	2006-2008	2	4	
22	National	"Tratamentul tumorilor renale prin criochirurgie laparoscopica, individualizat prin simulare pe model tridimensional reconstituit – CRIOLAPSIM", Program CEEX, Contract nr. 121/2006.	2006-2008	2	4	
23	National	"Ficatul gras nealcoolic, hepatita virală C şi litiaza biliară - Componente ale sindromului metabolic. Epidemiologie clinică, aspecte patogenetice, mijloace neinvazive de diagnostic – FINALISM", Program CEEX, Contract nr. 94/2006	2006-2008	2	4	**Total Nationale**
24	National	"Sistem Inteligent de Detectare şi Evaluare Neinvazivă a Fibrozei, Restructurării şi a Nodulilor Displazici ai Ficatului cu ajutorul Ultrasonografiei 2D/3D şi a Markerilor Moleculari – SIDEF", Program CEEX, Contract nr. 71/2006	2006-2008	2	4	**72**
		Total punctaj A2.4.1			**182**	

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

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.	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	2	4	1
2		Sequential Monocular Road Detection by Fusing Appearance and Geometric Information By: Jia, Bingxi; Chen, Jian; Zhang, Kaixiang; et al. IEEE-ASME TRANSACTIONS ON MECHATRONICS Volume: 24 Issue: 2 Pages: 633-643 Published: APR 2019	2	8	2
3		Robust obstacle detection for advanced driver assistance systems using distortions of inverse perspective mapping of a monocular camera By: Prakash, Charan D.; Akhbari, Farshad; Karam, Lina J. ROBOTICS AND AUTONOMOUS SYSTEMS Volume: 114 Pages: 172-186 Published: APR 2019	2	4	1
4		Traffic scene awareness for intelligent vehicles using ConvNets and stereo vision By: Guindel, Carlos; Martin, David; Maria Armingol, Jose ROBOTICS AND AUTONOMOUS SYSTEMS Volume: 112 Pages: 109-122 Published: FEB 2019	2	8	2
5		Development of Preview Active Suspension Control System and Performance Limit Analysis by Trajectory Optimization By: Soh, Minwoo; Jang, Hyeongjun; Park, Jaehyung; et al. INTERNATIONAL JOURNAL OF AUTOMOTIVE TECHNOLOGY Volume: 19 Issue: 6 Pages: 1001-1012 Published: DEC 2018	2	4	1
6		Combining 2D and 3D features to improve road detection based on stereo cameras By: Cai, Guorong; Su, Songzhi; He, Wenli; et al. IET COMPUTER VISION Volume: 12 Issue: 6 Pages: 834-843 Published: SEP 2018	2	4	1

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7		Temporally Consistent Road Surface Profile Estimation Using Stereo Vision By: Lee, Jeong-Kyun; Yoon, Kuk-Jin IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 19 Issue: 5 Pages: 1618-1628 Published: MAY 2018	2	8
8		Environment representations for automated on-road vehicles By: Schreier, Matthias AT-AUTOMATISIERUNGSTECHNIK Volume: 66 Issue: 2 Special Issue: SI Pages: 107-118 Published: FEB 2018	2	4
9		Self-Localization Based on Visual Lane Marking Maps: An Accurate Low-Cost Approach for Autonomous Driving By: Derenzi Vivacqua, Rafael Peixoto; Bertozzi, Massimo; Cerri, Pietro; et al. Conference: Symposium of Mechatronic and Embedded Technologies in Intelligent Transporation Systems at the 12th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications (MESA) Location: Auckland, NEW ZEALAND Date: AUG 29-31, 2016 Sponsor(s): IEEE; IEEE Intelligent Transportat Syst Soc; ASME, Div Design Engn; Univ Auckland IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 19 Issue: 2 Pages: 582-597 Published: FEB 2018	2	8
10		User-Centered Development of a Pedestrian Assistance System Using End-to-End Learning By: Qureshi, Hasham Shahid; Glasmachers, Tobias; Wiczorek, Rebecca Conference: 17th IEEE International Conference on Machine Learning and Applications (IEEE ICMLA) Location: Orlando, FL Date: DEC 17-20, 2018 Sponsor(s): IEEE; Assoc Machine Learning & Applicat 2018 17TH IEEE INTERNATIONAL CONFERENCE ON MACHINE LEARNING AND APPLICATIONS (ICMLA) Pages: 808-813 Published: 2018	2	4
11		Extending the Dynamic Stixel World with B-spline based Road Estimation for Obstacle Detection By: Xu, Bin; Wang, Xiaonian; Song, Mengxuan Conference: Chinese Automation Congress (CAC) Location: Xian, PEOPLES R CHINA Date: NOV 30-DEC 02, 2018 Sponsor(s): CAA; IEEE; IEEE Syst Man & Cybernet Soc 2018 CHINESE AUTOMATION CONGRESS (CAC) Pages: 2973-2978 Published: 2018	2	4
12		Oncoming Vehicle Detection with Variable-Focus Liquid Lens By: Tiong, Adrian Soon Bee; Tee, Kian Sek; Awad, Mohammed Ibrahim M. H.; et al. INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING Volume: 10 Issue: 8 Pages: 127-130 Published: 2018	2	4
13		Literature survey for autonomous vehicles: sensor fusion, computer vision, system identification and fault tolerance By: Mohamed, Amr; Ren, Jing; El-Gindy, Moustafa; et al. INTERNATIONAL JOURNAL OF AUTOMATION AND CONTROL Volume: 12 Issue: 4 Pages: 555-581 Published: 2018	2	4
14		Accurate Plane Estimation Based on the Error Model of Time-of-Flight Camera By: Konno, Yosuke; Tanaka, Masayuki; Okutomi, Masatoshi; et al. Conference: 2nd IEEE International Conference on Robotic Computing (IRC) Location: Laguna Hills, CA Date: JAN 31-FEB 02, 2018 Sponsor(s): IEEE; IEEE Comp Soc 2018 SECOND IEEE INTERNATIONAL CONFERENCE ON ROBOTIC COMPUTING (IRC) Pages: 304-307 Published: 2018	2	4
15		MergeNet: A Deep Net Architecture for Small Obstacle Discovery By: Gupta, Krishnam; Javed, Syed Ashar; Gandhi, Vineet; et al. Conference: IEEE International Conference on Robotics and Automation (ICRA) Location: Brisbane, AUSTRALIA Date: MAY 21-25, 2018 Sponsor(s): IEEE; CSIRO; Australian Govt, Dept Def Sci & Technol; DJI; Queensland Univ Technol; Woodside; Baidu; Bosch; Houston Mechatron; Kinova Robot; KUKA; Hit Robot Grp; Honda Res Inst; iRobot; Mathworks; NuTonomy; Ouster; Uber 2018 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (ICRA) Book Series: IEEE International Conference on Robotics and Automation ICRA Pages: 5856-5862 Published: 2018	2	4
16		Recursive drivable road detection with shadows based on two-camera systems By: Jia, Bingxi; Chen, Jian; Zhang, Kaixiang MACHINE VISION AND APPLICATIONS Volume: 28 Issue: 5-6 Pages: 509-523 Published: AUG 2017	2	8

17		Drivable Road Reconstruction for Intelligent Vehicles Based on Two-View Geometry By: Jia, Bingxi; Chen, Jian; Zhang, Kaixiang IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS Volume: 64 Issue: 5 Pages: 3696-3706 Published: MAY 2017	2	4
18		Perception, Planning, Control, and Coordination for Autonomous Vehicles By: Pendleton, Scott Drew; Andersen, Hans; Du, Xinxin; et al. MACHINES Volume: 5 Issue: 1 Article Number: 6 Published: MAR 2017	2	4
19		Multiple Lane Detection Algorithm Based on Novel Dense Vanishing Point Estimation By: Ozgunalp, Umar; Fan, Rui; Ai, Xiao; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 18 Issue: 3 Pages: 621-632 Published: MAR 2017	2	4
20		Fall Prevention Shoes Using Camera-Based Line-Laser Obstacle Detection System By: Lin, Tzung-Han; Yang, Chi-Yun; Shih, Wen-Pin JOURNAL OF HEALTHCARE ENGINEERING Article Number: 8264071 Published: 2017	2	4
21		Fast algorithm for real-time ground extraction from unorganized stereo point clouds By: Marcon dos Santos, Gilberto Antonio; Ferrao, Victor Terra; Noronha Vinhal, Cassio Dener; et al. PATTERN RECOGNITION LETTERS Volume: 84 Pages: 192-198 Published: DEC 2016	2	4
22		3D Lidar-based static and moving obstacle detection in driving environments: An approach based on voxels and multi-region ground planes By: Asvadi, Alireza; Premebida, Cristiano; Peixoto, Paulo; et al. ROBOTICS AND AUTONOMOUS SYSTEMS Volume: 83 Pages: 299-311 Published: SEP 2016	2	4
23		Incremental scenario representations for autonomous driving using geometric polygonal primitives By: Oliveira, Miguel; Santos, Vitor; Sappa, Angel D.; et al. ROBOTICS AND AUTONOMOUS SYSTEMS Volume: 83 Pages: 312-325 Published: SEP 2016	2	4
24		Stereo vision-based road estimation assisted by efficient planar patch calculation By: Ozgunalp, U.; Ai, X.; Dahnoun, N. SIGNAL IMAGE AND VIDEO PROCESSING Volume: 10 Issue: 6 Pages: 1127-1134 Published: SEP 2016	2	4
25		Real-time rear obstacle detection using reliable disparity for driver assistance By: Yoo, Hunjae; Son, Jongin; Ham, Bumsub; et al. EXPERT SYSTEMS WITH APPLICATIONS Volume: 56 Pages: 186-196 Published: SEP 1 2016	2	8
26		Compact Representation of Dynamic Driving Environments for ADAS by Parametric Free Space and Dynamic Object Maps By: Schreier, Matthias; Willert, Volker; Adamy, Juergen IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 17 Issue: 2 Pages: 367-384 Published: FEB 2016	2	4
27		CRF based method for Curb Detection using semantic cues and stereo depth By: Sodhi, Danish; Upadhyay, Sarthak; Bhatt, Dhaivat; 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	2	4

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28		Lost and Found: Detecting Small Road Hazards for Self-Driving Vehicles By: Pinggera, Peter; Ramos, Sebastian; Gehrig, Stefan; et al. 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: 1099-1106 Published: 2016	2	4
29		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	2	4
30		Local Elevation Mapping Based on Low Mounted Lidar Sensors with Narrow Vertical Field of View By: Stiens, Kai; Tanzmeister, Georg; Wollherr, Dirk 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 Sponsor(s): IEEE 2016 IEEE 19TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS (ITSC) Pages: 616-621 Published: 2016	2	4
31		Object Detection Using Binocular Vision By: Neethu, S.; Vinuchackravarthy, S. Edited by: Wu, J; Perez, GM; Thampi, SM; et al. Conference: International Conference on Advances in Computing, Communications and Informatics (ICACCI) Location: Jaipur, INDIA Date: SEP 21-24, 2016 Sponsor(s): LNM Inst Informat Technol; IEEE Commun Soc; IEEE Syst Man & Cybernet Soc 2016 INTERNATIONAL CONFERENCE ON ADVANCES IN COMPUTING, COMMUNICATIONS AND INFORMATICS (ICACCI) Pages: 1558-1564 Published: 2016	2	4
32		Machine learning in tracking associations with stereo vision and lidar observations for an autonomous vehicle. By: Allodi, Marco; Broggi, Alberto; Giaquinto, Domenico; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Gothenburg, SWEDEN Date: JUN 19-22, 2016 Sponsor(s): IEEE 2016 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 648-653 Published: 2016	2	4
33		A Ground Truth Building Approach for Evaluation of Grid Based Discretization Techniques in Automotive Scenarios By: Valenti, Francesco; Ghidini, Francesca; Patander, Marco; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Gothenburg, SWEDEN Date: JUN 19-22, 2016 Sponsor(s): IEEE 2016 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 960-965 Published: 2016	2	4
34		A Survey of Obstacle Detection using Vision Sensor for Autonomous Vehicles By: Park, Jicheol; Lee, Jin-Hee; Son, Sang Hyuk Book Group Author(s): IEEE Conference: 22nd IEEE International Conference on Embedded and Real-Time Computing Systems and Applications (RTSCA) Location: Daegu, SOUTH KOREA Date: AUG 17-19, 2016 Sponsor(s): IEEE; Daegu Gyeongbuk Inst Sci & Technol; IEEE Comp Soc Tech Comm Real Time Syst; Cyber Phys Syst Global Ctr; IEEE Comp Soc 2016 IEEE 22ND INTERNATIONAL CONFERENCE ON EMBEDDED AND REAL-TIME COMPUTING SYSTEMS AND APPLICATIONS (RTCSA) Book Series: IEEE International Conference on Embedded and Real-Time Computing Systems and Applications Pages: 264-264 Published: 2016	2	4

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35		Estimation of Road Surface Height for Preview System using Ultrasonic Sensor By: Kim, Min-Hyun; Choi, Seibum B. Book Group Author(s): IEEE Conference: 13th IEEE International Conference on Networking, Sensing, and Control (ICNSC) Location: Mexico City, MEXICO Date: APR 28-30, 2016 Sponsor(s): Consejo Nacl Ciencia Tecnologia; Cinvestav; IEEE Advancing Technol Human; IEEE Syst Man & Cybernet Soc; IEEE 2016 IEEE 13TH INTERNATIONAL CONFERENCE ON NETWORKING, SENSING, AND CONTROL (ICNSC) Book Series: IEEE International Conference on Networking Sensing and Control Published: 2016	2	4
36		Vehicle detection method based on mean shift clustering By: Li, Linhui; Huang, Haiyang; Qian, Bo; et al. JOURNAL OF INTELLIGENT & FUZZY SYSTEMS Volume: 31 Issue: 3 Pages: 1355-1363 Published: 2016	2	4
37		A Stereo Vision Based Obstacle Detection System for Agricultural Applications By: Fleischmann, Patrick; Berns, Karsten Edited by: Wettergreen, DS; Barfoot, TD Conference: 10th International Conference on Field and Service Robotics (FSR) Location: Toronto, CANADA Date: JUN 23-26, 2015 Sponsor(s): Clearpath Robot; Univ Toronto, Inst Aerosp Studies, Fac Appl Sci & Engn FIELD AND SERVICE ROBOTICS: RESULTS OF THE 10TH INTERNATIONAL CONFERENCE Book Series: Springer Tracts in Advanced Robotics Volume: 113 Pages: 217-231 Published: 2016	2	4
38		Scene Representations for Autonomous Driving: An Approach Based on Polygonal Primitives By: Oliveira, Miguel; Santos, Vicor; Sappa, Angel D.; et al. Edited by: Reis, LP; Moreira, AP; Lima, PU; et al. Conference: 2nd Iberian Robotics Conference (ROBOT) Location: Lisbon, PORTUGAL Date: NOV 19-21, 2015 Sponsor(s): Portuguese Soc Robot; Spanish Soc Res & Dev Robot; CEA, Robot Themat Grp ROBOT 2015: SECOND IBERIAN ROBOTICS CONFERENCE: ADVANCES IN ROBOTICS, VOL 1 Book Series: Advances in Intelligent Systems and Computing Volume: 417 Pages: 503-515 Published: 2016	2	4
39		Pro-active optimal control for semi-active vehicle suspension based on sensitivity updates By: Michael, Johannes; Gerdts, Matthias VEHICLE SYSTEM DYNAMICS Volume: 53 Issue: 12 Pages: 1721-1741 Published: DEC 2 2015	2	4
40		Dense Stereo-Based Robust Vertical Road Profile Estimation Using Hough Transform and Dynamic Programming By: Suhr, Jae Kyu; Jung, Ho Gi IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 16 Issue: 3 Pages: 1528-1536 Published: JUN 2015	2	4
41		Nonparametric Technique Based High-Speed Road Surface Detection By: Wu, Meiqing; Lam, Siew-Kei; Srikanthan, Thambipillai IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 16 Issue: 2 Pages: 874-884 Published: APR 2015	2	4
42		STEREO VISION ENABLING FAST ESTIMATION OF FREE SPACE ON TRAFFIC ROADS FOR AUTONOMOUS NAVIGATION By: Lee, K. Y.; Song, G. Y.; Park, J. M.; et al. INTERNATIONAL JOURNAL OF AUTOMOTIVE TECHNOLOGY Volume: 16 Issue: 1 Pages: 107-115 Published: FEB 2015	2	4
43		Effective Height-Grid Map Building using Inverse Perspective Image By: Han, Seung-Jun; Kim, Juwan; Choi, Jeongdan 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: 549-554 Published: 2015	2	4

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44		Road Detection with Thermal Cameras through 3D Information By: Pelaez, G. A.; Bacara, D.; de la Escalera, A.; 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: 255-260 Published: 2015	2	4	1
45		Stereo Vision-based Subpixel Level Free Space Boundary Detection Using Modified u-disparity and Preview Dynamic Programming By: Jung, Ho Gi; Suhr, Jae Kyu 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: 449-454 Published: 2015	2	4	1
46		Multi-Cue, Model-based Detection and Mapping of Road Curb Features using Stereo Vision By: Kellner, Martin; Hofmann, Ulrich; Bouzouraa, Mohamed Essayed; et al. Book Group Author(s): IEEE Conference: 18th IEEE International Conference on Intelligent Transportation Systems Location: SPAIN Date: SEP 15-18, 2015 Sponsor(s): IEEE; Int Transportat Syst Soc; CVCEI; Univ Las Palmas Gran Canaria; Ayuntamentiao Las Palmas Gran Canaria; LPA; IEEE Comp Soc; Univ Las Palmas Gran Canaria, Inst Univ Ciencias Tecnologias Ciberneticas 2015 IEEE 18TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS Book Series: IEEE International Conference on Intelligent Transportation Systems-ITSC Pages: 1221-1228 Published: 2015	2	4	1
47		Free Space Detection A Corner Stone of Automated Driving By: Neumann, Leo; Vanholme, Benoit; Gressmann, Markus; et al. Book Group Author(s): IEEE Conference: 18th IEEE International Conference on Intelligent Transportation Systems Location: SPAIN Date: SEP 15-18, 2015 Sponsor(s): IEEE; Int Transportat Syst Soc; CVCEI; Univ Las Palmas Gran Canaria; Ayuntamentiao Las Palmas Gran Canaria; LPA; IEEE Comp Soc; Univ Las Palmas Gran Canaria, Inst Univ Ciencias Tecnologias Ciberneticas 2015 IEEE 18TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS Book Series: IEEE International Conference on Intelligent Transportation Systems-ITSC Pages: 1280-1285 Published: 2015	2	4	1
48		Discrete-Continuous Clustering for Obstacle Detection Using Stereo Vision By: Bichsel, Robert; Borges, Paulo Vinicius Koerich Book Group Author(s): IEEE Conference: IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) Location: Hamburg, GERMANY Date: SEP 28-OCT 02, 2015 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; Ascending Technol; OPTOFORCE; DST Robot; BA Syst; Rainbow Robot; SIA; CLEARPATH Robot; Swiss Natl Ctr Competence Res Robot; SINEVA; Dyson; SICK; Robocept; Force Dimension; Open Unit Robot; Luoyang Natl Univ Sci Park; Fuzhou Univ; Synapticon; Google; Technishce Univ Munchen; iRobot; Echord++; Khalifa Univ; Pan Robot; FESTO; Kinova Robot; SCHUNK; ies 2015 IEEE/RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS (IROS) Book Series: IEEE International Conference on Intelligent Robots and Systems Pages: 538-545 Published: 2015	2	4	1
49		High-Performance Long Range Obstacle Detection Using Stereo Vision By: Pinggera, Peter; Franke, Uwe; Mester, Rudolf Book Group Author(s): IEEE Conference: IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) Location: Hamburg, GERMANY Date: SEP 28-OCT 02, 2015 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; Ascending Technol; OPTOFORCE; DST Robot; BA Syst; Rainbow Robot; SIA; CLEARPATH Robot; Swiss Natl Ctr Competence Res Robot; SINEVA; Dyson; SICK; Robocept; Force Dimension; Open Unit Robot; Luoyang Natl Univ Sci Park; Fuzhou Univ; Synapticon; Google; Technishce Univ Munchen; iRobot; Echord++; Khalifa Univ; Pan Robot; FESTO; Kinova Robot; SCHUNK; ies 2015 IEEE/RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS (IROS) Book Series: IEEE International Conference on Intelligent Robots and Systems Pages: 1308-1313 Published: 2015	2	4	1

50		Obstacle Detection for Self-Driving Cars Using Only Monocular Cameras and Wheel Odometry By: Haene, Christian; Sattler, Torsten; Pollefeys, Marc Book Group Author(s): IEEE Conference: IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) Location: Hamburg, GERMANY Date: SEP 28-OCT 02, 2015 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; Ascending Technol; OPTOFORCE; DST Robot; BA Syst; Rainbow Robot; SIA; CLEARPATH Robot; Swiss Natl Ctr Competence Res Robot; SINEVA; Dyson; SICK; Robocept; Force Dimension; Open Unit Robot; Luoyang Natl Univ Sci Park; Fuzhou Univ; Synapticon; Google; Technishce Univ Munchen; iRobot; Echord++; Khalifa Univ; Pan Robot; FESTO; Kinova Robot; SCHUNK; ies 2015 IEEE/RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS (IROS) Book Series: IEEE International Conference on Intelligent Robots and Systems Pages: 5101-5108 Published: 2015	2	4	1
51		Reactive Avoidance Using Embedded Stereo Vision for MAV Flight By: Oleynikova, Helen; Honegger, Dominik; Pollefeys, Marc Book Group Author(s): IEEE Conference: IEEE International Conference on Robotics and Automation (ICRA) Location: Seattle, WA Date: MAY 26-30, 2015 Sponsor(s): IEEE 2015 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (ICRA) Book Series: IEEE International Conference on Robotics and Automation ICRA Pages: 50-56 Published: 2015	2	4	1
52		Ground or Obstacles? Detecting Clear Paths in Vehicle Navigation By: Aeschimann, Ralph; Borges, Paulo Vinicius Koerich Book Group Author(s): IEEE Conference: IEEE International Conference on Robotics and Automation (ICRA) Location: Seattle, WA Date: MAY 26-30, 2015 Sponsor(s): IEEE 2015 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (ICRA) Book Series: IEEE International Conference on Robotics and Automation ICRA Pages: 3927-3934 Published: 2015	2	4	1
53		Dynamic Probabilistic Drivability Maps for Lane Change and Merge Driver Assistance By: Sivaraman, Sayanan; Trivedi, Mohan Manubhai IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 15 Issue: 5 Pages: 2063-2073 Published: OCT 2014	2	8	2
54		Estimation of longitudinal profile of road surface from stereo disparity using Dijkstra algorithm By: Lee, Ki-Yong; Park, Jeong-Min; Lee, Joon-Woong INTERNATIONAL JOURNAL OF CONTROL AUTOMATION AND SYSTEMS Volume: 12 Issue: 4 Pages: 895-903 Published: AUG 2014	2	4	1
55		Real-Time Obstacle Detection using Stereo Vision for Autonomous Ground Vehicles: A Survey By: Bernini, Nicola; Bertozzi, Massimo; Castangia, Luca; et al. Book Group Author(s): IEEE Conference: IEEE 17th International Conference on Intelligent Transportation Systems (ITSC) Location: Qingdao, PEOPLES R CHINA Date: OCT 08-11, 2014 Sponsor(s): IEEE 2014 IEEE 17TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS (ITSC) Pages: 873-878 Published: 2014	2	4	1
56		Stereo Vision Based Road Surface Preview By: Shen, Truman; Schamp, Gregory; Haddad, Mario Book Group Author(s): IEEE Conference: IEEE 17th International Conference on Intelligent Transportation Systems (ITSC) Location: Qingdao, PEOPLES R CHINA Date: OCT 08-11, 2014 Sponsor(s): IEEE 2014 IEEE 17TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS (ITSC) Pages: 1843-1849 Published: 2014	2	4	1
57		Road curb and lanes detection for autonomous driving on urban scenarios By: Fernandez, C.; Izquierdo, R.; Llorca, D. F.; et al. Book Group Author(s): IEEE Conference: IEEE 17th International Conference on Intelligent Transportation Systems (ITSC) Location: Qingdao, PEOPLES R CHINA Date: OCT 08-11, 2014 Sponsor(s): IEEE 2014 IEEE 17TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS (ITSC) Pages: 1964-1969 Published: 2014	2	4	1

58		Laserscanner based Road Curb Feature Detection and efficient Mapping using Local Curb Descriptions By: Kellner, Martin; Hofmann, Ulrich; Bouzouraa, Mohamed Essayed; et al. Book Group Author(s): IEEE Conference: IEEE 17th International Conference on Intelligent Transportation Systems (ITSC) Location: Qingdao, PEOPLES R CHINA Date: OCT 08-11, 2014 Sponsor(s): IEEE 2014 IEEE 17TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS (ITSC) Pages: 2602-2609 Published: 2014	2	4	1
59		Free Road Space Estimation Based on Surface Normal Analysis in Organized Point Cloud By: Kurnianggoro, Laksono; Jo, Kang-Hyun Book Group Author(s): IEEE Conference: IEEE International Conference on Industrial Technology (ICIT) Location: Busan, SOUTH KOREA Date: FEB 26-MAR 01, 2014 Sponsor(s): IEEE 2014 IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL TECHNOLOGY (ICIT) Pages: 609-613 Published: 2014	2	4	1
60		Estimation of a Speed Hump Profile Using Quarter Car Model By: Kanjanavapastit, Apichan; Thitinaruemit, Aphirak Edited by: Chatsupakul, K; Kamwachirapitak, R Conference: 4th International Science, Social Science, Engineering and Energy Conference (I-SEEC) Location: Cha Am, THAILAND Date: DEC 11-14, 2012 Sponsor(s): Kasem Bundit Univ; Udon Thani Rajabhat Univ SOCIAL AND BEHAVIORAL SCIENCES SYMPOSIUM Book Series: Procedia Social and Behavioral Sciences Volume: 88 Pages: 265-273 Published: 2014	2	4	1
61		Road Curb Detection Based on Different Elevation Mapping Techniques By: Kellner, Martin; Bouzouraa, Mohamed Essayed; Hofmann, Ulrich 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: 1217-1224 Published: 2014	2	4	1
62		HISTOGRAMS OF ORIENTED GRADIENTS FOR FAST ON-BOARD VEHICLE VERIFICATION By: Ballesteros, Gonzalo; Salgado, Luis Book Group Author(s): IEEE Conference: IEEE International Conference on Image Processing (ICIP) Location: Paris, FRANCE Date: OCT 27-30, 2014 Sponsor(s): IEEE 2014 IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP) Book Series: IEEE International Conference on Image Processing ICIP Pages: 1638-1642 Published: 2014	2	4	1
63		OPTIMIZED HOG FOR ON-ROAD VIDEO BASED VEHICLE VERIFICATION By: Ballesteros, Gonzalo; Salgado, Luis Book Group Author(s): IEEE Conference: 22nd European Signal Processing Conference (EUSIPCO) Location: Lisbon, PORTUGAL Date: SEP 01-05, 2014 2014 PROCEEDINGS OF THE 22ND EUROPEAN SIGNAL PROCESSING CONFERENCE (EUSIPCO) Book Series: European Signal Processing Conference Pages: 805-809 Published: 2014	2	4	1
64		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	2	8	2
65		Image-based on-road vehicle detection using cost-effective Histograms of Oriented Gradients By: Arrospide, Jon; Salgado, Luis; Camplani, Massimo JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION Volume: 24 Issue: 7 Pages: 1182-1190 Published: OCT 2013	2	8	2
66		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	2	8	2
67		Terrain Mapping for Off-road Autonomous Ground Vehicles Using Rational B-Spline Surfaces and Stereo Vision By: Broggi, Alberto; Cardarelli, Elena; Cattani, Stefano; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Gold Coast, AUSTRALIA Date: JUN 23-26, 2013 Sponsor(s): IEEE; IEEE, Intelligent Transportat Syst Soc; Gold Coast Tourism; Griffith Univ; NAVTEQ; Australian Dedicated Short Range Commun; Griffith Univ Intelligent Control Syst Lab; Intelligent Transport Syst Australia 2013 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 648-653 Published: 2013	2	4	1

68		Road Side Detection and Reconstruction Using LIDAR Sensor By: Hervieu, Alexandre; Soheilian, Bahman Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Gold Coast, AUSTRALIA Date: JUN 23-26, 2013 Sponsor(s): IEEE; IEEE, Intelligent Transportat Syst Soc; Gold Coast Tourism; Griffith Univ; NAVTEQ; Australian Dedicated Short Range Commun; Griffith Univ Intelligent Control Syst Lab; Intelligent Transport Syst Australia 2013 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 1247-1252 Published: 2013	2	4	1
69		Road Area Detection based on Image Segmentation and Contour Feature By: Hung, Chun-Wen; Huo, Chih-Li; Yu, Yu-Hsiang; et al. Edited by: Szakal, A Conference: IEEE International Conference on System Science and Engineering (ICSSE) Location: Budapest, HUNGARY Date: JUL 04-06, 2013 Sponsor(s): IEEE IEEE INTERNATIONAL CONFERENCE ON SYSTEM SCIENCE AND ENGINEERING (ICSSE 2013) Book Series: International Conference on System Science and Engineering Pages: 147-151 Published: 2013	2	4	1
70		A full-3D Voxel-based Dynamic Obstacle Detection for Urban Scenario using Stereo Vision By: Broggi, Alberto; Cattani, Stefano; Patander, Marco; et al. Book Group Author(s): IEEE Conference: 16th International IEEE Conference on Intelligent Transportation Systems (ITSC) Location: The Hague, NETHERLANDS Date: OCT 06-09, 2013 Sponsor(s): IEEE 2013 16TH INTERNATIONAL IEEE CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS - (ITSC) Book Series: IEEE International Conference on Intelligent Transportation Systems-ITSC Pages: 71-76 Published: 2013	2	4	1
71		SEMI-AUTOMATIC ROAD/PAVEMENT MODELING USING MOBILE LASER SCANNING By: Hervieu, Alexandre; Soheilian, Bahman Edited by: Rottensteiner, F; Stilla, U; Hinz, S Conference: Joint Workshop on Object Extraction for 3D City Models, Road Databases and Traffic Monitoring - Concepts, Algorithms and Evaluation (CMRT) Location: Antalya, TURKEY Date: NOV 12-13, 2013 Sponsor(s): Int Soc Photogrammetry & Remote Sensing Working Grp III / 4 & III / VII CMRT13 - CITY MODELS, ROADS AND TRAFFIC 2013 Book Series: International Archives of the Photogrammetry Remote Sensing and Spatial Information Sciences Volume: II-3/W3 Pages: 31-36 Published: 2013	2	4	1
72		Stereo regions-of-interest selection for pedestrian protection: A survey By: Llorca, D. F.; Sotelo, M. A.; Hellin, A. M.; et al. TRANSPORTATION RESEARCH PART C-EMERGING TECHNOLOGIES Volume: 25 Pages: 226-237 Published: DEC 2012	2	8	2
73		WIDE BASELINE STEREO OBJECT MATCHING USING MINIMAL COST FLOW ALGORITHM By: Zeng, Shuqing Book Group Author(s): IEEE Conference: 19th IEEE International Conference on Image Processing (ICIP) Location: Lake Buena Vista, FL Date: SEP 30-OCT 03, 2012 Sponsor(s): Inst Elect & Elect Engineers (IEEE); IEEE Signal Proc Soc 2012 IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP 2012) Book Series: IEEE International Conference on Image Processing ICIP Pages: 2161-2164 Published: 2012	2	4	1
74		Object and ground classification for a mobile robot in urban environment By: Ha, Jeong Hyo; Kim, Sijong; Chung, Myung Jin Book Group Author(s): IEEE Conference: 12th International Conference on Control, Automation and Systems (ICCAS) Location: ICC, Jeju, SOUTH KOREA Date: OCT 17-21, 2012 Sponsor(s): IES; RA; CSS; SICE; ACA; AAI; CAA; ISA; CAC 2012 12TH INTERNATIONAL CONFERENCE ON CONTROL, AUTOMATION AND SYSTEMS (ICCAS) Pages: 2068-2070 Published: 2012	2	4	1
75		Comparison of Markov Chain Abstraction and Monte Carlo Simulation for the Safety Assessment of Autonomous Cars By: Althoff, Matthias; Mergel, Alexander IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 12 Issue: 4 Pages: 1237-1247 Published: DEC 2011	2	8	2

#					
76		Active vision in robotic systems: A survey of recent developments By: Chen, Shengyong; Li, Youfu; Kwok, Ngai Ming INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH Volume: 30 Issue: 11 Special Issue: SI Pages: 1343-1377 Part: 2 Published: SEP 2011	2	8	2
77	Nedevschi S., Schmidt R., Graf T., Danescu R., Frentiu D., Marita T., Oniga F., Pocol C. "3D lane detection system based on stereovision", (2004) IEEE Conference on Intelligent Transportation Systems, Proceedings, pp. 161-166.	Perception, Planning, Control, and Coordination for Autonomous Vehicles By: Pendleton, Scott Drew; Andersen, Hans; Du, Xinxin; et al. MACHINES Volume: 5 Issue: 1 Article Number: 6 Published: MAR 2017	8	1	1
78		Robust Multirate On-Road Vehicle Localization for Autonomous Highway Driving Vehicles By: Lee, Seung-Hi; Chung, Chung Choo IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY Volume: 25 Issue: 2 Pages: 577-589 Published: MAR 2017	8	2	2
79		Multiple Lane Detection Algorithm Based on Novel Dense Vanishing Point Estimation By: Ozgunalp, Umar; Fan, Rui; Ai, Xiao; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 18 Issue: 3 Pages: 621-632 Published: MAR 2017	8	2	2
80		Stereo vision-based road estimation assisted by efficient planar patch calculation By: Ozgunalp, U.; Ai, X.; Dahnoun, N. SIGNAL IMAGE AND VIDEO PROCESSING Volume: 10 Issue: 6 Pages: 1127-1134 Published: SEP 2016	8	1	1
81		MONOCULAR IMAGE-BASED LOCAL COLLISION-FREE PATH PLANNING FOR AUTONOMOUS ROBOTS By: Li, I-Hsum; Chen, Ming-Chang; Wang, Wei-Yen; et al. JOURNAL OF MARINE SCIENCE AND TECHNOLOGY-TAIWAN Volume: 24 Issue: 4 Pages: 759-770 Published: AUG 2016	8	1	1
82		Lane departure warning for mobile devices based on a fuzzy representation of images By: Madrid, Nicolas; Hurtik, Petr Conference: 12th International Conference on Fuzzy Set Theory and Applications (FSTA) Location: Liptovsky Jan, SLOVAKIA Date: JAN 27-31, 2014 FUZZY SETS AND SYSTEMS Volume: 291 Special Issue: SI Pages: 144-159 Published: MAY 15 2016	8	1	1
83		Semiautomatic Extraction of Road Horizontal Alignment from a Mobile LiDAR System By: Holgado-Barco, Alberto; Gonzalez-Aguilera, Diego; Arias-Sanchez, Pedro; et al. COMPUTER-AIDED CIVIL AND INFRASTRUCTURE ENGINEERING Volume: 30 Issue: 3 Pages: 217-228 Published: MAR 2015	8	2	2
84		A Novel Multi-Hypothesis Tracking Framework for Lane Recognition By: Zhao, Kun; Meuter, Mirko; Mueller-Schneiders, Stefan; et al. Book Group Author(s): IEEE Conference: 17th International Conference on Information Fusion (FUSION) Location: Salamanca, SPAIN Date: JUL 07-10, 2014 Sponsor(s): ISIF; VNiVERSiDAD Salamanca; Univ Carlos Madrid; IBM; IEEE; Indra 2014 17TH INTERNATIONAL CONFERENCE ON INFORMATION FUSION (FUSION) Published: 2014	8	1	1
85		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	8	2	2
86		A MonoSLAM Approach to Lane Departure Warning System By: Ozcan, Baris; Boyraz, Pinar; Yigit, Cihat Bora Book Group Author(s): IEEE Conference: IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM) Location: Besacon, FRANCE Date: JUL 08-11, 2014	8	1	1
87		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	8	2	2
88		Robust Lane Sensing and Departure Warning under Shadows and Occlusions By: Tapia-Espinoza, Rodolfo; Torres-Torriti, Miguel SENSORS Volume: 13 Issue: 3 Pages: 3270-3298 Published: MAR 2013	8	2	2

89		Camera based detection and classification of soft shoulders, curbs and guardrails By: Seibert, Alexander; Haehnel, Michael; Tewes, Andreas; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Gold Coast, AUSTRALIA Date: JUN 23-26, 2013	8	1	1
90		Image-Based Obstacle Avoidance and Path-Planning System By: Chen, Yi-Han; Chen, Ming-Chang; Li, I-Hsum; et al. Edited by: Szakal, A Conference: IEEE International Conference on System Science and Engineering (ICSSE) Location: Budapest, HUNGARY Date: JUL 04-06, Pages: 205-209 Published: 2013	8	1	1
91		Road-line detection and 3D reconstruction using fisheye cameras By: Boutteau, R.; Savatier, X.; Bonardi, F.; et al. Book Group Author(s): IEEE Conference: 16th International IEEE Conference on Intelligent Transportation Systems (ITSC) Location: The Hague, NETHERLANDS Date: OCT 06-09, Pages: 1083-1088 Published: 2013	8	1	1
92		An Instantaneous Lane-Level Positioning Using DSRC Carrier Frequency Offset By: Alam, Nima; Balaei, Asghar Tabatabaei; Dempster, Andrew G. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 13 Issue: 4 Special Issue: SI Pages: 1566-1575 Published: DEC 2012	8	2	2
93		PSO Algorithm Particle Filters for Improving the Performance of Lane Detection and Tracking Systems in Difficult Roads By: Cheng, Wen-Chang SENSORS Volume: 12 Issue: 12 Pages: 17168-17185 Published: DEC 2012	8	2	2
94		A Learning Approach Towards Detection and Tracking of Lane Markings By: Gopalan, Raghuraman; Hong, Tsai; Shneier, Michael; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 13 Issue: 3 Special Issue: SI Pages: 1088-1098 Published: SEP 2012	8	2	2
95		A Novel Lane Detection System With Efficient Ground Truth Generation By: Borkar, Amol; Hayes, Monson; Smith, Mark T. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 13 Issue: 1 Pages: 365-374 Published: MAR 2012	8	2	2
96		Detection of Geometric Shape for Traffic Lane and Mark By: Liu, Xian; Wang, Gang; Liao, Jingsheng; et al. Book Group Author(s): IEEE Conference: IEEE International Conference on Information and Automation (ICIA) Location: Shenyang, PEOPLES R CHINA Date: JUN 06-08, 2012 Sponsor(s): IEEE PROCEEDING OF THE IEEE INTERNATIONAL CONFERENCE ON INFORMATION AND AUTOMATION Pages: 395-399	8	1	1
97		Risk indicators anticipation based on the vehicle dynamics anticipation to avoid accidents By: Ghandour, Raymond; Victorino, Alessandro; Charara, Ali; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Alcala de Henares, SPAIN Date: JUN 03-07, 2012 Sponsor(s): IEEE 2012 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Pages: 93-98	8	1	1
98		Road environment modeling using robust perspective analysis and recursive Bayesian segmentation By: Nieto, Marcos; Arrospide Laborda, Jon; Salgado, Luis MACHINE VISION AND APPLICATIONS Volume: 22 Issue: 6 Pages: 927-945 Published: NOV 2011	8	2	2
99		A Robust Lane Recognition Technique for Vision-Based Navigation with a Multiple Clue-Based Filtration Algorithm By: Suh, Seungbeum; Kang, Yeonsik INTERNATIONAL JOURNAL OF CONTROL AUTOMATION AND SYSTEMS Volume: 9 Issue: 2 Pages: 348-357 Published: APR 2011	8	1	1
100		Jointing Edge Labeling and Geometrical Constraint for Lane Detection and its Application to Suspicious Driving Behavior Analysis By: Chen, Sin-Yu; Hsieh, Jun-Wei; Chen, Duan-Yu JOURNAL OF INFORMATION SCIENCE AND ENGINEERING Volume: 27 Issue: 2 Pages: 715-732 Published: MAR 2011	8	1	1

101		A Real-time Lane Departure Warning System Based on FPGA By: Shang, Erke; Li, Jian; An, Xiangjing; et al. 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, Pages: 1243-1248	8	1	1
102		The emergency steering of a heavy truck by front-wheel braking By: Roedoenyi, Gabor; Gaspar, Peter; Bokor, Jozsef INTERNATIONAL JOURNAL OF HEAVY VEHICLE SYSTEMS Volume: 18 Issue: 2 Pages: 135-160 Published: 2011	8	1	1
103		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	8	2	2
104		Using multi-modal 3D contours and their relations for vision and robotics By: Baseski, Emre; Pugeault, Nicolas; Kalkan, Sinan; et al. JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION Volume: 21 Issue: 8 Pages: 850-864 Published: NOV 2010	8	1	1
105		3D road marking reconstruction from street-level calibrated stereo pairs By: Soheilian, Bahman; Paparoditis, Nicolas; Boldo, Didier ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING Volume: 65 Issue: 4 Pages: 347-359 Published: JUL 2010	8	2	2
106		Robust Road Marking Extraction in Urban Environments Using Stereo Images By: Sebsadji, Yazid; Tarel, Jean-Philippe; Foucher, Philippe; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Univ Calif, San Diego (UCSD), San Diego, CA Date: JUN 21-24, 2010, Pages: 394-400	8	1	1
107		A Method For Lane Detection Based on Color Clustering By: Ma, Chao; Xie, Mei Edited by: Gong, M Conference: 3rd International Conference on Knowledge Discovery and Data Mining Location: Phuket, THAILAND Date: JAN 09-10, 2010, Pages: 200-203	8	1	1
108		A geometric stochastic approach based on marked point processes for road mark detection from high resolution aerial images By: Tournaire, O.; Paparoditis, N. ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING Volume: 64 Issue: 6 Pages: 621-631 Published: NOV 2009	8	2	2
109		Cheap Joint Probabilistic Data Association filters in an Interacting Multiple Model design By: Hoffmann, Christian; Dang, Thao Conference: IEEE International Conference on Multisensor Fusion and Integration Location: Heidelberg, GERMANY Date: SEP 03-06, 2006 Sponsor(s): IEEE ROBOTICS AND AUTONOMOUS SYSTEMS Volume: 57 Issue: 3 Pages: 268-278 Published: MAR 31 2009	8	2	2
110		Kalman Particle Filter for Lane Recognition on Rural Roads By: Loose, Heidi; Franke, Uwe; Stiller, Christoph Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Xian, PEOPLES R CHINA Date: JUN 03-05, 2009 Sponsor(s): IEEE 2009 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1 AND 2 Book Series: IEEE Intelligent Vehicles Symposium Pages: 60-65 Published: 2009	8	1	1
111		Study on Lane Boundary Detection in Night Scene By: Zhang Xinyu; Shi Zhongke Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Xian, PEOPLES R CHINA Date: JUN 03-05, 2009 Sponsor(s): IEEE 2009 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1 AND 2 Book Series: IEEE Intelligent Vehicles Symposium Pages: 538-541 Published: 2009	8	1	1

112		Binocular Stereo Vision Based Obstacle Avoidance Algorithm for Autonomous Mobile Robots By: Kumar, Saurav Book Group Author(s): IEEE Conference: IEEE International Advance Computing Conference Location: Patiala, INDIA Date: MAR 06-07, 2009 Sponsor(s): IEEE 2009 IEEE INTERNATIONAL ADVANCE COMPUTING CONFERENCE, VOLS 1-3 Pages: 254-259 Published: 2009	8	1	
					1
113		Image-based Exploration Obstacle Avoidance for Mobile Robot By: Wang, Yong; Fang, Shuai; Cao, Yang; et al. Book Group Author(s): IEEE Conference: 21st Chinese Control and Decision Conference Location: Guilin, PEOPLES R CHINA Date: JUN 17-19, 2009 Sponsor(s): NE Univ; IEEE Ind Elect Singapore Chapter; Guilin Univ Elect Technol; IEEE Control Syst Soc; IEEE Ind Elect Soc CCDC 2009: 21ST CHINESE CONTROL AND DECISION CONFERENCE, VOLS 1-6, PROCEEDINGS Pages: 3019-3023 Published: 2009	8	1	
					1
114		Simultaneous Estimation of Vehicle Dynamics and Lane Features for Road Safety Applications By: Weigel, Hendrik; Wanielik, Gerd Book Group Author(s): IEEE Conference: 12th International Conference on Information Fusion Location: Seattle, WA Date: JUL 06-09, 2009, Pages: 1512-1519	8	1	
					1
115		Effective lane detection and tracking method using statistical modeling of color and lane edge-orientation By: Lee, Jin-Wook; Cho, Jae-Soo Edited by: Sohn, S; Kwack, KD; Um, K; et al. Conference: 4th International Conference on Computer Sciences and Convergence Information Technology Location: Seoul, SOUTH KOREA Date: NOV 24-26, 2009, Pages: 1586-1591	8	1	
					1
116		A Model Driven 3D Lane Detection System using Stereovision By: Benmansour, Nabil; Labayrade, Raphael; Aubert, Didier; et al. Book Group Author(s): IEEE Conference: 10th International Conference on Control, Automation, Robotics and Vision Location: Hanoi, VIETNAM Date: DEC 17-20, 2008, Pages: 1277-1282	8	1	
					1
117		Lane Detection Using Directional Random Walks By: Tsai, Luo-Wei; Hsieh, Jun-Wei; Chuang, Chi-Hung; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Eindhoven, NETHERLANDS Date: JUN 04-06, 2008 Sponsor(s): IEEE 2008 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1-3 Book Series: IEEE Intelligent Vehicles Symposium Pages: 880-883	8	1	
					1
118		Stereo Vision Based Pedestrian Detection Using B-Spline Modeling By: Abbas, Ammar; Hoefler, Sven; Fardi, Basel; et al. Book Group Author(s): IEEE Conference: IEEE International Conference on Vehicular Electronics and Safety Location: Columbus, OH Date: SEP 22-24, 2008, Pages: 118-123	8	1	
					1
119		Lane Marking Detection by Side Fisheye Camera By: Li, Shigang; Shimomura, Yuta Edited by: Chatila, R; Kelly, A; Merlet, JP Conference: IEEE/RSJ International Conference on Intelligent Robots and Systems Location: Nice, FRANCE Date: SEP 22-26, 2008, Pages: 606-611	8	1	
					1
120		Stereovision-based 3D lane detection system: a model driven approach By: Benmansour, Nabil; Labayrade, Raphael; Aubert, Didier; et al. Book Group Author(s): IEEE Conference: 11th IEEE International Conference on Intelligent Transportation Systems (ITSC 2008) Location: Beijing, PEOPLES R CHINA Date: OCT 12-15, 2008, Pages: 182-188	8	1	
					1
121		Localization of objects an automotive scenes with spatial and temporal information By: Legrand, Capucine; Fremont, Vincent; Large, Frederic Book Group Author(s): IEEE Conference: 11th IEEE International Conference on Intelligent Transportation Systems (ITSC 2008) Location: Beijing, PEOPLES R CHINA Date: OCT 12-15, 2008, Pages: 791-796	8	1	
					1
122		A far-range off-line camera calibiration method for stereo lane detection systems By: Bodis-Szomoru, Andras; Daboczi, Tamas; Fazekas, Zoltan Book Group Author(s): IEEE Conference: 24th IEEE Instrumentation and Measurement Technology Conference Location: Warsaw, POLAND Date: MAY 01-03, 2007, Pages: 1940-1945	8	1	
					1

123		Recognition of road contours based on extraction of 3D positions of deleneators By: Shimizu, Shoichi; Fujiyoshi, Hironobu; Sakai, Hiroshi; et al. Book Group Author(s): IEEE Conference: 10th International IEEE Conference on Intelligent Transportation Systems Location: Bellevue, WA Date: SEP 30-OCT 03, 2007, Pages: 742-747	8	1
124		Estimation of driver attention using Visually Evoked Potentials By: Reddy, B. Srinath; Basir, Otman A.; Leat, Susan J. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Istanbul, TURKEY Date: JUN 13-15, 2007, Pages: 187-192	8	1
125		Lane detection for driver assistance and intelligent vehicle applications By: D'Cruz, Craig; Zou, Ju Jia Book Group Author(s): IEEE Conference: International Symposium on Communication and Information Technologies Location: Sydney, AUSTRALIA Date: OCT 17-19, 2007, Pages: 1291-1296	8	1
126		Edge-based lane change detection and its application to suspicious driving behavior analysis By: Chen, Sin-Yu; Hsieh, Jun-Wei Edited by: Liao, BY; Pan, JS; Jain, LE; et al. Conference: 3rd International Conference on Intelligent Information Hiding and Multimedia Signal Processing Location: Kaohsiung, TAIWAN Date: NOV 26-28, 2007, Pages: 415-418	8	1
127		An integrated approach to recognition of lane marking and road boundary By: Lu, Weina; Zheng, Yucai; Ma, YuQuan; et al. Edited by: Luo, Q; Gong, M; Xiong, F; et al. Conference: 1st International Workshop on Knowledge Discovery and Data Mining Location: Adelaide, AUSTRALIA Date: JAN 23-24, 2008, Pages: 649-653	8	1
128		Model-based design of an embedded vision application: A field report By: Kogler, Juergen; Hemetsberger, Hannes; Kubinger, Wilfried; et al. Edited by: Sablatnig, R; Scherzer, O Conference: 4th IASTED International Conference on Signal Processing, Pattern Recognition and Applications Location: Innsbruck, AUSTRIA Date: FEB 14-16, 2007, Pages: 233-238	8	1
129		A synchronous detection of the road boundary and lane marking for intelligent vehicles By: Lu, Weina; Wang, Haifang; Wang, Qingzhu Edited by: Feng, WY; Gao, F Conference: 8th ACIS International Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing/3rd ACIS International Workshop on Self-Assembling Wireless Networks Location: Qungdao, PEOPLES R CHINA Date: JUL 30-AUG 01, 2007, Pages: 741-745	8	1
130		Video-based lane estimation and tracking for driver assistance: Survey, system, and evaluation By: McCall, JC; Trivedi, MM IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 7 Issue: 1 Pages: 20-37 Published: MAR 2006	8	2
131		Embedded stereo vision system for intelligent autonomous vehicles By: Kogler, J.; Hemetsberger, H.; Alefs, B.; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Meguroku, JAPAN Date: JUN 13-15, 2006 Sponsor(s): IEEE 2006 IEEE INTELLIGENT VEHICLES SYMPOSIUM Pages: 64-69 Published: 2006	8	1
132		Single camera 3D lane detection and tracking based on EKF for urban intelligent vehicle By: Tian, Min; Liu, Fuqiang; Hu, Zhencheng Book Group Author(s): IEEE Conference: IEEE International Conference on Vehicular Electronics and Safety Location: Shanghai, PEOPLES R CHINA Date: DEC 13-15, 2006, Pages: 413-418 Published: 2006	8	1
133		Switching models for vision-based on-board road detection By: Lombardi, P; Zanin, M; Messelodi, S Book Group Author(s): IEEE Conference: 8th IEEE International Conference on Intelligent Transportation Systems (ITSC 2005) Location: Vienna, AUSTRIA Date: SEP 13-16, 2005 Sponsor(s): IEEE 2005 IEEE INTELLIGENT TRANSPORTATION SYSTEMS CONFERENCE (ITSC) Pages: 67-72 Published: 2005	8	1
134		The robust and fast approach for vision-based shadowy road boundary detection By: Tsai, SJ; Sun, TY Book Group Author(s): IEEE Conference: 8th IEEE International Conference on Intelligent Transportation Systems (ITSC 2005) Location: Vienna, AUSTRIA Date: SEP 13-16, 2005 Sponsor(s): IEEE 2005 IEEE INTELLIGENT TRANSPORTATION SYSTEMS CONFERENCE (ITSC) Pages: 79-84 Published: 2005	8	1

#	Reference	Citation			
135		Unified stereovision for ground, road, and obstacle detection By: Lombardi, P; Zanin, M; Messelodi, S Book Group Author(s): IEEE Conference: IEEE Intelligent Vechicles Symposium Location: Las Vegas, NV Date: JUN 06-08, 2005, Pages: 783-788	8	1	1
136	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.	Patch-Based Semantic Labeling of Road Scene Using Colorized Mobile LiDAR Point Clouds By: Luo, Huan; Wang, Cheng; Wen, Chenglu; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 17 Issue: 5 Pages: 1286-1297 Published: MAY 2016	2	8	2
137		Feature Detection for Vehicle Localization in Urban Environments Using a Multilayer LIDAR By: Hata, Alberto Y.; Wolf, Denis F. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 17 Issue: 2 Pages: 420-429 Published: FEB 2016	2	8	2
138		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	2	4	1
139		A Ground Truth Building Approach for Evaluation of Grid Based Discretization Techniques in Automotive Scenarios By: Valenti, Francesco; Ghidini, Francesca; Patander, Marco; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Gothenburg, SWEDEN Date: JUN 19-22, 2016 Sponsor(s): IEEE 2016 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 960-965 Published: 2016	2	4	1
140		3D ROAD CURB EXTRACTION FROM IMAGE SEQUENCE FOR AUTOMOBILE PARKING ASSIST SYSTEM By: Prinet, Veronique; Wang, JinSong; Lee, JongHo; et al. Book Group Author(s): IEEE Conference: 23rd IEEE International Conference on Image Processing (ICIP) Location: Phoenix, AZ Date: SEP 25-28, 2016 Sponsor(s): Inst Elect & Elect Engineers; Inst Elect & Elect Engineers, Signal Proc Soc 2016 IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP) Book Series: IEEE International Conference on Image Processing ICIP Pages: 3847-3851 Published: 2016	2	4	1
141		Multi-Cue, Model-based Detection and Mapping of Road Curb Features using Stereo Vision By: Kellner, Martin; Hofmann, Ulrich; Bouzouraa, Mohamed Essayed; et al. Book Group Author(s): IEEE Conference: 18th IEEE International Conference on Intelligent Transportation Systems Location: SPAIN Date: SEP 15-18, 2015 Sponsor(s): IEEE; Int Transportat Syst Soc; CVCEI; Univ Las Palmas Gran Canaria; Ayuntamentiao Las Palmas Gran Canaria; LPA; IEEE Comp Soc; Univ Las Palmas Gran Canaria, Inst Univ Ciencias Tecnologias Ciberneticas 2015 IEEE 18TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS Book Series: IEEE International Conference on Intelligent Transportation Systems-ITSC Pages: 1221-1228 Published: 2015	2	4	1
142		Stereoscopic Roadside Curb Height Measurement Using V-Disparity By: Matu, Florin Octavian; Vlaykov, Iskren; Thogersen, Mikkel; et al. Edited by: Verikas, A; Vuksanovic, B; Radeva, P; et al. Conference: 7th International Conference on Machine Vision (ICMV) Location: Milan, ITALY Date: NOV 19-21, 2014 Sponsor(s): Sci & Engn Inst; Sichuan Univ; Singapore Inst Elect; Halmstad Univ SEVENTH INTERNATIONAL CONFERENCE ON MACHINE VISION (ICMV 2014) Book Series: Proceedings of SPIE Volume: 9445 Article Number: 94450F Published: 2015	2	4	1
143		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	2	8	2

144		Road curb and lanes detection for autonomous driving on urban scenarios By: Fernandez, C.; Izquierdo, R.; Llorca, D. F.; et al. Book Group Author(s): IEEE Conference: IEEE 17th International Conference on Intelligent Transportation Systems (ITSC) Location: Qingdao, PEOPLES R CHINA Date: OCT 08-11, 2014 Sponsor(s): IEEE 2014 IEEE 17TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS (ITSC) Pages: 1964-1969 Published: 2014	2	4	1
145		Laserscanner based Road Curb Feature Detection and efficient Mapping using Local Curb Descriptions By: Kellner, Martin; Hofmann, Ulrich; Bouzouraa, Mohamed Essayed; et al. Book Group Author(s): IEEE Conference: IEEE 17th International Conference on Intelligent Transportation Systems (ITSC) Location: Qingdao, PEOPLES R CHINA Date: OCT 08-11, 2014 Sponsor(s): IEEE 2014 IEEE 17TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS (ITSC) Pages: 2602-2609 Published: 2014	2	4	1
146		Road Curb Detection Based on Different Elevation Mapping Techniques By: Kellner, Martin; Bouzouraa, Mohamed Essayed; Hofmann, Ulrich 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: 1217-1224 Published: 2014	2	4	1
147		Robust Curb Detection and Vehicle Localization in Urban Environments By: Hata, Alberto Y.; Osorio, Fernando S.; Wolf, Denis F. 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: 1264-1269 Published: 2014	2	4	1
148		Free Space and Speed Humps Detection using Lidar and Vision for Urban Autonomous Navigation By: Fernandez, C.; Gavilan, M.; Llorca, D. F.; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Alcala de Henares, SPAIN Date: JUN 03-07, 2012 Sponsor(s): IEEE 2012 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Pages: 698-703 Published: 2012	2	4	1
149		Pixels, Stixels, and Objects By: Pfeiffer, David; Erbs, Friedrich; Franke, Uwe Edited by: Fusiello, A; Murino, V; Cucchiara, R Conference: 12th European Conference on Computer Vision (ECCV) Location: Florence, ITALY Date: OCT 07-13, 2012 Sponsor(s): Google; Natl Robot Engn Ctr; Adobe; Microsoft Res; Mitsubishi Elect; Mobileye; Nvidia; Point Grey; Technicolor; Toshiba; Toyota; Datalogic; IBM Res; ST; Univ Studi Firenze; Univ Cambridge; Ente Cassa Risparmio Firenze COMPUTER VISION - ECCV 2012, PT III Book Series: Lecture Notes in Computer Science Volume: 7585 Pages: 1-10 Published: 2012	2	4	1
150		Towards a Global Optimal Multi-Layer Stixel Representation of Dense 3D Data By: Pfeiffer, David; Franke, Uwe Edited by: Hoey, J; McKenna, S; Trucco, E Conference: 22nd British Machine Vision Conference Location: Univ Dundee, Dundee, SCOTLAND Date: AUG 29-SEP 02, 2011 PROCEEDINGS OF THE BRITISH MACHINE VISION CONFERENCE 2011 Published: 2011	2	4	1
151	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.	Patch-Based Semantic Labeling of Road Scene Using Colorized Mobile LiDAR Point Clouds By: Luo, Huan; Wang, Cheng; Wen, Chenglu; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 17 Issue: 5 Pages: 1286-1297 Published: MAY 2016	3	5.333333333	2

152		CRF based method for Curb Detection using semantic cues and stereo depth By: Sodhi, Danish; Upadhyay, Sarthak; Bhatt, Dhaivat; 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
153		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	3	2.666666667	1
154		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	3	2.666666667	1
155		General-Purpose Road Boundary Detection with Stereo Camera By: Nanri, Takuya; Khiat, 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	3	2.666666667	1
156		Laser Scanner Based Heading Angle and Distance Estimation By: Hernandez, Danilo Caceres; Filonenko, Alexander; Seo, Dongwook; et al. Book Group Author(s): IEEE Conference: IEEE International Conference on Industrial Technology (ICIT) Location: Seville, SPAIN Date: MAR 17-19, 2015 Sponsor(s): IEEE 2015 IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL TECHNOLOGY (ICIT) Pages: 1718-1722 Published: 2015	3	2.666666667	1
157		3D LIDAR-based Intersection Recognition and Road Boundary Detection Method for Unmanned Ground Vehicle By: Zhang, Yihuan; Wang, Jun; Wang, Xiaonian; et al. Book Group Author(s): IEEE Conference: 18th IEEE International Conference on Intelligent Transportation Systems Location: SPAIN Date: SEP 15-18, 2015 Sponsor(s): IEEE; Int Transportat Syst Soc; CVCEI; Univ Las Palmas Gran Canaria; Ayuntamentiao Las Palmas Gran Canaria; LPA; IEEE Comp Soc; Univ Las Palmas Gran Canaria, Inst Univ Ciencias Tecnologias Ciberneticas 2015 IEEE 18TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS Book Series: IEEE International Conference on Intelligent Transportation Systems-ITSC Pages: 499-504 Published: 2015	3	2.666666667	1
158		A Real-time Curb Detection and Tracking Method for UGVs by Using a 3D-LIDAR Sensor By: Zhang, Yihuan; Wang, Jun; Wang, Xiaonian; et al. Book Group Author(s): IEEE Conference: IEEE Conference on Control and Applications (CCA) Location: Sydney, AUSTRALIA Date: SEP 21-23, 2015 Sponsor(s): IEEE; IEEE Control Syst Soc; IFAC; Univ New S Wales; Univ Melbourne; Univ Newcastle; MathWorks; IEEE CAA Journal Automatica Sinica; Univ Western Australia 2015 IEEE CONFERENCE ON CONTROL AND APPLICATIONS (CCA 2015) Book Series: IEEE International Conference on Control Applications Pages: 1020-1025 Published: 2015	3	2.666666667	1
159		Stereoscopic Roadside Curb Height Measurement Using V-Disparity By: Matu, Florin Octavian; Vlaykov, Iskren; Thogersen, Mikkel; et al. Edited by: Verikas, A; Vuksanovic, B; Radeva, P; et al. Conference: 7th International Conference on Machine Vision (ICMV) Location: Milan, ITALY Date: NOV 19-21, 2014 Sponsor(s): Sci & Engn Inst; Sichuan Univ; Singapore Inst Elect; Halmstad Univ SEVENTH INTERNATIONAL CONFERENCE ON MACHINE VISION (ICMV 2014) Book Series: Proceedings of SPIE Volume: 9445 Article Number: 94450F Published: 2015	3	2.666666667	1

160		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	3	5.333333333	2
161		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	3	5.333333333	2
162		Performance Evaluation for Curb Detection Problem By: Stainvas, Inna; Buda, Yosi 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: 25-30 Published: 2014	3	2.666666667	1
163		Lane Surface Identification Based on Reflectance using Laser Range Finder By: Hernandez, Danilo Caceres; Van-Dung Hoang; Jo, Kang-Hyun Book Group Author(s): IEEE Conference: IEEE/SICE International Symposium on System Integration (SII) Location: Korakuen Campus, Chuo Univ, Tokyo, JAPAN Date: DEC 13-15, 2014 Sponsor(s): IEEE Robot & Automat Soc; IEEE Ind Elect Soc; SICE Syst Integrat Div 2014 IEEE/SICE INTERNATIONAL SYMPOSIUM ON SYSTEM INTEGRATION (SII) Pages: 621-625 Published: 2014	3	2.666666667	1
164		Towards Multi-Cue Urban Curb Recognition By: Enzweiler, Markus; Greiner, Pierre; Knoeppel, Carsten; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Gold Coast, AUSTRALIA Date: JUN 23-26, 2013 Sponsor(s): IEEE; IEEE, Intelligent Transportat Syst Soc; Gold Coast Tourism; Griffith Univ; NAVTEQ; Australian Dedicated Short Range Commun; Griffith Univ Intelligent Control Syst Lab; Intelligent Transport Syst Australia 2013 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 902-907 Published: 2013	3	2.666666667	1
165		Road Side Detection and Reconstruction Using LIDAR Sensor By: Hervieu, Alexandre; Soheilian, Bahman Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Gold Coast, AUSTRALIA Date: JUN 23-26, 2013 Sponsor(s): IEEE; IEEE, Intelligent Transportat Syst Soc; Gold Coast Tourism; Griffith Univ; NAVTEQ; Australian Dedicated Short Range Commun; Griffith Univ Intelligent Control Syst Lab; Intelligent Transport Syst Australia 2013 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 1247-1252 Published: 2013	3	2.666666667	1
166		A New Curb Detection Method for Unmanned Ground Vehicles Using 2D Sequential Laser Data By: Liu, Zhao; Wang, Jinling; Liu, Daxue SENSORS Volume: 13 Issue: 1 Pages: 1102-1120 Published: JAN 2013	3	5.333333333	2
167		Mapping curbstones in airborne and mobile laser scanning data By: Zhou, Liang; Vosselman, George INTERNATIONAL JOURNAL OF APPLIED EARTH OBSERVATION AND GEOINFORMATION Volume: 18 Pages: 293-304 Published: AUG 2012	3	5.333333333	2
168		CURB DETECTION AND TRACKING USING 3D-LIDAR SCANNER By: Zhao, Gangqiang; Yuan, Junsong Book Group Author(s): IEEE Conference: 19th IEEE International Conference on Image Processing (ICIP) Location: Lake Buena Vista, FL Date: SEP 30-OCT 03, 2012 Sponsor(s): Inst Elect & Elect Engineers (IEEE); IEEE Signal Proc Soc 2012 IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP 2012) Book Series: IEEE International Conference on Image Processing ICIP Pages: 437-440 Published: 2012	3	2.666666667	1

169		A Temporal Filter Approach for Detection and Reconstruction of Curbs and Road Surfaces based on Conditional Random Fields By: Siegemund, Jan; Franke, Uwe; Foerstner, Wolfgang 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: 637-642 Published: 2011	3	2.666666667	1
170		Curb Reconstruction using Conditional Random Fields By: Siegemund, Jan; Pfeiffer, David; Franke, Uwe; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Univ Calif, San Diego (UCSD), San Diego, CA Date: JUN 21-24, 2010 Sponsor(s): IEEE; IEEE Intelligent Transportat Syst Soc; Calif Inst Telecommunicat & Informat Technol (Calit2) 2010 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 203-210 Published: 2010	3	2.666666667	1
171		A Self-Adaptive Approach for Curbstone/Roadside Detection based on Human-Like Signal Processing and Multi-Sensor Fusion By: Michalke, Thomas; Kastner, Robert; Fritsch, Jannik; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Univ Calif, San Diego (UCSD), San Diego, CA Date: JUN 21-24, 2010 Sponsor(s): IEEE; IEEE Intelligent Transportat Syst Soc; Calif Inst Telecommunicat & Informat Technol (Calit2) 2010 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 307-312 Published: 2010	3	2.666666667	1
172	F. Oniga, S. Nedevschi, M-M. Meinecke, "Curb Detection 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.	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
173		CRF based method for Curb Detection using semantic cues and stereo depth By: Sodhi, Danish; Upadhyay, Sarthak; Bhatt, Dhaivat; 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
174		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
175		Nanri, Takuya, Abdelaziz Khiat, 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
176		Curb Reconstruction using Conditional Random Fields By: Siegemund, Jan; Pfeiffer, David; Franke, Uwe; et al. 2010 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 203-210 Published: 2010	3	2.666666667	1
177	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.	A robust vision-based method for staircase detection and localization By: Li Maohai; Wang Han; Sun Lining; et al. COGNITIVE PROCESSING Volume: 15 Issue: 2 Pages: 173-194 Published: MAY 2014	3	2.666666667	1
178		Road Curb Detection Based on Different Elevation Mapping Techniques By: Kellner, Martin; Bouzouraa, Mohamed Essayed; Hofmann, Ulrich Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Dearborn, MI Date: JUN 08-11, 2014, Pages: 1217-1224	3	2.666666667	1

179	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.	Pose Self-Calibration of Stereo Vision Systems for Autonomous Vehicle Applications By: Musleh, Basam; Martin, David; Maria Armingol, Jose; et al. SENSORS Volume: 16 Issue: 9 Article Number: 1492 Published: SEP 2016	5	3.2	2
180		TOWARDS THE INFLUENCE OF A CAR WINDSHIELD ON DEPTH CALCULATION WITH A STEREO CAMERA SYSTEM By: Hanel, A.; Hoegner, L.; Stilla, U. Edited by: Halounova, L; Safar, V; Remondino, F; et al. Conference: 23rd Congress of the International-Society-for-Photogrammetry-and-Remote-Sensing (ISPRS) Location: Prague, CZECH REPUBLIC Date: JUL 12-19, 2016 Sponsor(s): Int Soc Photogrammetry & Remote Sensing XXIII ISPRS Congress, Commission V Book Series: International Archives of the Photogrammetry Remote Sensing and Spatial Information Sciences Volume: 41 Issue: B5 Pages: 461-468 Published: 2016	5	1.6	1
181		A System Design for Automotive Augmented Reality Using Stereo Night Vision By: Hosseini, Amin; Bacara, Daniel; Lienkamp, Markus 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: 127-133 Published: 2014	5	1.6	1
182		Continuous Pose Estimation for Stereo Vision based on UV Disparity Applied to Visual Odometry in Urban Environments By: Musleh, Basam; Martin, David; Maria Armingol, Jose; 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 Sponsor(s): IEEE 2014 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (ICRA) Book Series: IEEE International Conference on Robotics and Automation ICRA Pages: 3983-3988 Published: 2014	5	1.6	1
183		State-of-the-Art Versus Time-Triggered Object Tracking in Advanced Driver Assistance Systems By: Koplin, Moritz; Elmenreich, Wilfried INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS Volume: 10 Article Number: 196 Published: APR 15 2013	5	1.6	1
184		Optimization methods to calibrate a stereo rig with increased accuracy for vehicular applications By: Bodis-Szomoru, Andras; Daboczi, Tamas Book Group Author(s): IEEE Conference: 29th Annual IEEE International Instrumentation and Measurement Technology Conference (I2MTC) Location: Graz, AUSTRIA Date: MAY 13-16, 2012 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 2012 IEEE INTERNATIONAL INSTRUMENTATION AND MEASUREMENT TECHNOLOGY CONFERENCE (I2MTC) Book Series: IEEE Instrumentation and Measurement Technology Conference Pages: 973-978 Published: 2012	5	1.6	1
185		Improvement of stereo vision-based position and velocity estimation and tracking using a stripe-based disparity estimation and inverse perspective map-based extended Kalman filter By: Lim, Young-Chul; Lee, Minho; Lee, Chung-Hee; et al. OPTICS AND LASERS IN ENGINEERING Volume: 48 Issue: 9 Pages: 859-868 Published: SEP 2010	5	3.2	2

186		A Novel Approach for the Online Initial Calibration of Extrinsic Parameters for a Car-Mounted Camera By: Hold, Stephanie; Goermer, Steffen; Kummert, Anton; et al. Book Group Author(s): IEEE Conference: 12th International IEEE Conference on Intelligent Transportation Systems Location: St Louis, MO Date: OCT 04-07, 2009 Sponsor(s): Missouri Univ Sci & Technol Distance & Continuing Educ; Kansas City SCOUT; Missouri Dept Transportat; Kansas Dept Transport; Pinkley Sales; Traffic Control Corp; Hokuyo Automatic Co Ltd 2009 12TH INTERNATIONAL IEEE CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS (ITSC 2009) Pages: 420-+ Published: 2009	5	1.6
187		Adaptive Multi-Cue Fusion for Robust Detection of Unmarked Inner-City Streets By: Michalke, Thomas; Kastner, Robert; Herbert, Michael; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Xian, PEOPLES R CHINA Date: JUN 03-05, 2009 Sponsor(s): IEEE 2009 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1 AND 2 Book Series: IEEE Intelligent Vehicles Symposium Pages: 1-8 Published: 2009	5	1.6
188		Efficient and Robust Extrinsic Camera Calibration Procedure for Lane Departure Warning By: Hold, Stephanie; Nunn, Christian; Kummert, Anton; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Xian, PEOPLES R CHINA Date: JUN 03-05, 2009 Sponsor(s): IEEE 2009 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1 AND 2 Book Series: IEEE Intelligent Vehicles Symposium Pages: 382-387 Published: 2009	5	1.6
189		A SOFTWARE-HARDWARE COOPERATIVE IMPLEMENTATION OF BIRD'S-EYE VIEW S SYSTEM FOR CAMERA-ON-VEHICLE By: Luo, LinBo; Koh, InSung; Park, SangYoon; et al. Edited by: Guo, J Conference: IEEE International Conference on Network Infrastructure and Digital Content Location: Beijing, PEOPLES R CHINA Date: NOV 06-08, 2009 Sponsor(s): IEEE Beijing Sect; Beijing Univ, Posts & Telecommun; Tohoku Univ; Chinese Univ Hong Kong; Hanyang Univ; Natl Nat Sci Fdn China; Inst Engn & Technol; 111 Project Adv Intelligence & Network Serv 2009 IEEE INTERNATIONAL CONFERENCE ON NETWORK INFRASTRUCTURE AND DIGITAL CONTENT, PROCEEDINGS Pages: 963-967 Published: 2009	5	1.6
190		Setup considerations for calibration of a stereovision system for long range obstacle detection By: Gauci, Jason; Zarmnit-Mangion, David Book Group Author(s): IEEE Conference: 3rd IEEE International Symposium on Control, Communications and Signal Processing (ISCCSP 2008) Location: St Julians, MALTA Date: MAR 12-14, 2008 Sponsor(s): Univ Malta; IEEE 2008 3RD INTERNATIONAL SYMPOSIUM ON COMMUNICATIONS, CONTROL AND SIGNAL PROCESSING, VOLS 1-3 Pages: 1091-1095 Published: 2008	5	1.6
191		A Generic Temporal Integration Approach for Enhancing Feature-based Road-detection Systems By: Michalke, Thomas; Kastner, Robert; Fritsch, Jannik; et al. Book Group Author(s): IEEE Conference: 11th IEEE International Conference on Intelligent Transportation Systems (ITSC 2008) Location: Beijing, PEOPLES R CHINA Date: OCT 12-15, 2008 Sponsor(s): IEEE Intelligent Transportat Syst Soc; Chinese Acad Sci, Inst Automat PROCEEDINGS OF THE 11TH INTERNATIONAL IEEE CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS Pages: 657-+ Published: 2008	5	1.6
192		A far-range off-line camera calibiration method for stereo lane detection systems By: Bodis-Szomoru, Andras; Daboczi, Tamas; Fazekas, Zoltan Book Group Author(s): IEEE Conference: 24th IEEE Instrumentation and Measurement Technology Conference Location: Warsaw, POLAND Date: MAY 01-03, 2007 Sponsor(s): IEEE 2007 IEEE INSTRUMENTATION & MEASUREMENT TECHNOLOGY CONFERENCE, VOLS 1-5 Book Series: IEEE Instrumentation and Measurement Technology Conference Pages: 1940-+ Published: 2007	5	1.6

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#	Reference	Citing Article			
193	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	Global-referenced navigation grids for off-road vehicles and environments By: Rovira-Mas, Francisco ROBOTICS AND AUTONOMOUS SYSTEMS Volume: 60 Issue: 2 Pages: 278-287 Published: FEB 2012	4	4	
					2
194		Map Building using Occupancy Grids with Differentiated Occupancy States By: Heinemann, Anna; Velten, Joerg; Kummert, Anton Book Group Author(s): IEEE Conference: IEEE 9th International Workshop on Multidimensional (nD) Systems (nDS) Location: Vila Real, PORTUGAL Date: SEP 07-09, 2015	4	2	
					1
195	S. Nedevschi, R. Danescu, T. Marita, F. Oniga, C. Pocol, S. Sobol, 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.	Obstacles and Pedestrian Detection on a Moving Vehicle By: Yang Yang; Ren Mingwu; Yang Jingyu INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS Volume: 11 Article Number: 53 Published: APR 1 2014	8	1	
					1
196		Optimization methods to calibrate a stereo rig with increased accuracy for vehicular applications By: Bodis-Szomoru, Andras; Daboczi, Tamas Book Group Author(s): IEEE Conference: 29th Annual IEEE International Instrumentation and Measurement Technology Conference (I2MTC) Location: Graz, AUSTRIA Date: MAY 13-16, 2012 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 2012 IEEE INTERNATIONAL INSTRUMENTATION AND MEASUREMENT TECHNOLOGY CONFERENCE (I2MTC) Book Series: IEEE Instrumentation and Measurement Technology Conference Pages: 973-978 Published: 2012	8	1	
					1
197		An Intelligent Multifeature Statistical Approach for the Discrimination of Driving Conditions of a Hybrid Electric Vehicle By: Huang, Xi; Tan, Ying; He, Xingui IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 12 Issue: 2 Special Issue: SI Pages: 453-465 Published: JUN 2011	8	2	
					2
198		Stereo Vision based Full-Range Object Detection and Tracking By: Shen, Truman; Schamp, Greg; Cooprider, Troy; et al. 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 Sponsor(s): IEEE; George Washington Univ (GWU), Sch Engn & Appl Sci; IEEE ITS Soc; Ctr Intelligent Syst Res (CISR); FHWA/NHTSA Natl Crash Anal Ctr (NCAC) 2011 14TH INTERNATIONAL IEEE CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS (ITSC) Book Series: IEEE International Conference on Intelligent Transportation Systems-ITSC Pages: 925-930 Published: 2011	8	1	
					1
199		An Intelligent Multi-feature Statistical Approach for Discrimination of Driving Conditions of Hybrid Electric Vehicle By: Huang, Xi; Tan, Ying; He, Xingui Book Group Author(s): IEEE Conference: International Joint Conference on Neural Networks Location: Atlanta, GA Date: JUN 14-19, 2009 Sponsor(s): Int Neural Network Soc; IEEE Computat Intelligence Soc IJCNN: 2009 INTERNATIONAL JOINT CONFERENCE ON NEURAL NETWORKS, VOLS 1-6 Book Series: IEEE International Joint Conference on Neural Networks (IJCNN) Pages: 465-472 Published: 2009	8	1	
					1

200		Multi-lane visual perception for Lane Departure Warning Systems By: Collado, Juan M.; Hilario, Cristina; de la Escalera, Arturo; et al. Edited by: Ranchordas, AN; Araujo, HJ Conference: 3rd International Conference on Computer Vision Theory and Applications Location: Funchal, PORTUGAL Date: JAN 22-25, 2008 Sponsor(s): Inst Syst & Technol Informat, Control & Commun; Univ Madeira VISAPP 2008: PROCEEDINGS OF THE THIRD INTERNATIONAL CONFERENCE ON COMPUTER VISION THEORY AND APPLICATIONS, VOL 2 Pages: 360-367 Published: 2008	8	1
201		Closed-form linear solution to motion estimation in disparity space By: Derpanis, Konstantinos G.; Chang, Peng Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Meguroku, JAPAN Date: JUN 13-15, 2006 Sponsor(s): IEEE 2006 IEEE INTELLIGENT VEHICLES SYMPOSIUM Pages: 268-275 Published: 2006	8	1
202	Nedevschi S., Oniga F., Danescu R., Graf T., Schmidt R. Increased accuracy stereo approach for 3D lane detection (2006) IEEE Intelligent Vehicles Symposium, Proceedings, , art. no. 1689603 , pp. 42-49.	Road Detection System based on RGB Histogram Filterization and Boundary Classifier By: Munajat, Enjat; Widyantoro, Dwi H.; Munir, Rinaldi Book Group Author(s): IEEE Conference: International Conference on Advanced Computer Science and Information Systems (ICACSIS) Location: Pusat Studi Jepang Universitas Indonesia, Depok, INDONESIA Date: OCT 10-11, 2015 Sponsor(s): IEEE Indonesia Sect; Univ Indonesia Fac Comp Sci 2015 INTERNATIONAL CONFERENCE ON ADVANCED COMPUTER SCIENCE AND INFORMATION SYSTEMS (ICACSIS) Book Series: International Conference on Advanced Computer Science and Information Systems Pages: 195-200 Published: 2015	5	1.6
203		A Particle Filter-based Lane Marker Tracking Approach using a Cubic Spline Model By: Berriel, Rodrigo; de Aguiar, Edilson; de Souza Filho, Vanderlei Vieira; et al. Book Group Author(s): IEEE Conference: 28th SIBGRAPI Conference on Graphics, Patterns and Images SIBGRAPI Location: Salvador, BRAZIL Date: AUG 26-29, 2015 Sponsor(s): SAMSUNG; NVIDIA; Google; Comp Sci Dept 2015 28TH SIBGRAPI CONFERENCE ON GRAPHICS, PATTERNS AND IMAGES Book Series: SIBGRAPI - Brazilian Symposium on Computer Graphics and Image Processing Pages: 149-156 Published: 2015	5	1.6
204		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	5	3.2
205		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
206		Maximum likelihood estimation of depth field for trinocular images By: Neri, A.; Carli, M.; Battisti, F. ELECTRONICS LETTERS Volume: 49 Issue: 6 Pages: 394-396 Published: MAR 14 2013	5	1.6
207		Perception Tasks: Lane Detection By: Mazzei, Luca; Zani, Paolo Edited by: Eskandarian, A HANDBOOK OF INTELLIGENT VEHICLES, VOLS 1 AND 2 Pages: 1021-1031 Published: 2012	5	1.6
208		A New Framework for Stereo Sensor Pose Through Road Segmentation and Registration By: Dornaika, Fadi; Alvarez, Jose M.; Sappa, Angel D.; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 12 Issue: 4 Pages: 954-966 Published: DEC 2011	5	3.2
209		Road environment modeling using robust perspective analysis and recursive Bayesian segmentation By: Nieto, Marcos; Arrospide Laborda, Jon; Salgado, Luis MACHINE VISION AND APPLICATIONS Volume: 22 Issue: 6 Pages: 927-945 Published: NOV 2011	5	3.2
210		TerraMax Vision at the Urban Challenge 2007 By: Broggi, Alberto; Cappalunga, Andrea; Caraffi, Claudio; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 11 Issue: 1 Pages: 194-205 Published: MAR 2010	5	3.2

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211		Road Course Estimation in Occupancy Grids By: Konrad, Marcus; Szczot, Magdalena; Dietmayer, Klaus Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Univ Calif, San Diego (UCSD), San Diego, CA Date: JUN 21-24, 2010 Sponsor(s): IEEE; IEEE Intelligent Transportat Syst Soc; Calif Inst Telecommunicat & Informat Technol (Calit2) 2010 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 412-417 Published: 2010	5	1.6
212		Robust monocular lane detection in urban environments By: Felisa, Mirko; Zani, Paolo Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Univ Calif, San Diego (UCSD), San Diego, CA Date: JUN 21-24, 2010 Sponsor(s): IEEE; IEEE Intelligent Transportat Syst Soc; Calif Inst Telecommunicat & Informat Technol (Calit2) 2010 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 591-596 Published: 2010	5	1.6
213		The passive sensing suite of the TerraMax autonomous vehicle By: Broggi, Alberto; Cappalunga, Andrea; Caraffi, Claudio; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Eindhoven, NETHERLANDS Date: JUN 04-06, 2008 Sponsor(s): IEEE 2008 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1-3 Book Series: IEEE Intelligent Vehicles Symposium Pages: 498-+ Published: 2008	5	1.6
214		Robust Road Modeling based on a Hierarchical Bipartite Graph By: Nieto, Marcos; Salgado, Luis; Jaureguizar, Fernando Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Eindhoven, NETHERLANDS Date: JUN 04-06, 2008 Sponsor(s): IEEE 2008 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1-3 Book Series: IEEE Intelligent Vehicles Symposium Pages: 698-703 Published: 2008	5	1.6
215		On-board video based system for robust road modeling By: Nieto, Marcos; Arrospide, Jon; Salgado, Luis; et al. Book Group Author(s): IEEE Conference: International Workshop on Content-Based Multimedia Indexing Location: London, ENGLAND Date: JUN 18-20, 2008 2008 INTERNATIONAL WORKSHOP ON CONTENT-BASED MULTIMEDIA INDEXING Book Series: International Workshop on Content-Based Multimedia Indexing Pages: 93-100 Published: 2008	5	1.6
216	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.	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	4	2
217		Estimation of Road Surface Height for Preview System using Ultrasonic Sensor By: Kim, Min-Hyun; Choi, Seibum B. Book Group Author(s): IEEE Conference: 13th IEEE International Conference on Networking, Sensing, and Control (ICNSC) Location: Mexico City, MEXICO Date: APR 28-30, 2016 Sponsor(s): Consejo Nacl Ciencia Tecnologia; Cinvestav; IEEE Advancing Technol Human; IEEE Syst Man & Cybernet Soc; IEEE 2016 IEEE 13TH INTERNATIONAL CONFERENCE ON NETWORKING, SENSING, AND CONTROL (ICNSC) Book Series: IEEE International Conference on Networking Sensing and Control Published: 2016	4	2
218		Video-based road detection via online structural learning By: Yuan, Yuan; Jiang, Zhiyu; Wang, Qi NEUROCOMPUTING Volume: 168 Pages: 336-347 Published: NOV 30 2015	4	4

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219		A Multi-Block-Matching Approach for Stereo By: Einecke, Nils; Eggert, Julian 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: 585-592 Published: 2015	4	2	1
220		Block-Matching Stereo with Relaxed Fronto-Parallel Assumption By: Einecke, Nils; Eggert, Julian 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: 700-705 Published: 2014	4	2	1
221		AN EFFICIENT ALGORITHM FOR POTHOLE DETECTION USING STEREO VISION By: Zhang, Zhen; Ai, Xiao; Chan, C. K.; et al. Book Group Author(s): IEEE Conference: IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) Location: Florence, ITALY Date: MAY 04-09, 2014 Sponsor(s): IEEE; IEEE Signal Proc Soc 2014 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING (ICASSP) Book Series: International Conference on Acoustics Speech and Signal Processing ICASSP Published: 2014	4	2	1
222		ADAPTIVE ROAD DETECTION TOWARDS MULTISCALE-MULTILEVEL PROBABILISTIC ANALYSIS By: Jiang, Zhiyu; Wang, Qi; Yuan, Yuan Book Group Author(s): IEEE Conference: 2nd IEEE China Summit / International Conference on Signal and Information Processing (IEEE ChinaSIP) Location: Xian, PEOPLES R CHINA Date: JUL 09-13, 2014 Sponsor(s): IEEE; Inst Elect & Elect Engineers Signal Proc Soc; NW Polytechn Univ, Shaanxi Key Lab Informat Acquisit & Proc; Natl Nat Sci Fdn China; KC Wong Educ Fdn; Texas Instruments; Xidian Univ, Natl Lab Radar Signal Proc 2014 IEEE CHINA SUMMIT & INTERNATIONAL CONFERENCE ON SIGNAL AND INFORMATION PROCESSING (CHINASIP) Pages: 698-702 Published: 2014	4	2	1
223		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	4	4	2
224		Stereo Image Warping for Improved Depth Estimation of Road Surfaces By: Einecke, Nils; Eggert, Julian Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Gold Coast, AUSTRALIA Date: JUN 23-26, 2013 Sponsor(s): IEEE; IEEE, Intelligent Transportat Syst Soc; Gold Coast Tourism; Griffith Univ; NAVTEQ; Australian Dedicated Short Range Commun; Griffith Univ Intelligent Control Syst Lab; Intelligent Transport Syst Australia 2013 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 189-194 Published: 2013	4	2	1
225		From Grid Maps to Parametric Free Space Maps - A Highly Compact, Generic Environment Representation for ADAS By: Schreier, Matthias; Willert, Volker; Adamy, Juergen Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Gold Coast, AUSTRALIA Date: JUN 23-26, 2013 Sponsor(s): IEEE; IEEE, Intelligent Transportat Syst Soc; Gold Coast Tourism; Griffith Univ; NAVTEQ; Australian Dedicated Short Range Commun; Griffith Univ Intelligent Control Syst Lab; Intelligent Transport Syst Australia 2013 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 938-944 Published: 2013	4	4	2

226		Obstacle Detection Using U-Disparity on Quadratic Road Surfaces By: Ai, X.; Gao, Y.; Rarity, J. G.; et al. Book Group Author(s): IEEE Conference: 16th International IEEE Conference on Intelligent Transportation Systems (ITSC) Location: The Hague, NETHERLANDS Date: OCT 06-09, 2013 Sponsor(s): IEEE 2013 16TH INTERNATIONAL IEEE CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS - (ITSC) Book Series: IEEE International Conference on Intelligent Transportation Systems-ITSC Pages: 1352-1357 Published: 2013	4	2	1
227		Intuitive Terrain Reconstruction Using Height Observation-Based Ground Segmentation and 3D Object Boundary Estimation By: Song, Wei; Cho, Kyungeun; Um, Kyhyun; et al. SENSORS Volume: 12 Issue: 12 Pages: 17186-17207 Published: DEC 2012	4	4	2
228		Towards a Generic and Efficient Environment Model for ADAS By: Grewe, Ralph; Hohm, Andree; Hegemann, Stefan; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Alcala de Henares, SPAIN Date: JUN 03-07, 2012 Sponsor(s): IEEE 2012 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Pages: 316-321 Published: 2012	4	2	1
229		Moving Object Detection from Mobile Platforms Using Stereo Data Registration By: Sappa, Angel D.; Geronimo, David; Dornaika, Fadi; et al. Edited by: Ogiela, MR; Jain, LC COMPUTATIONAL INTELLIGENCE PARADIGMS IN ADVANCED PATTERN CLASSIFICATION Book Series: Studies in Computational Intelligence Volume: 386 Pages: 25-37 Published: 2012	4	2	1
230		Pixels, Stixels, and Objects By: Pfeiffer, David; Erbs, Friedrich; Franke, Uwe Edited by: Fusiello, A; Murino, V; Cucchiara, R Conference: 12th European Conference on Computer Vision (ECCV) Location: Florence, ITALY Date: OCT 07-13, 2012 Sponsor(s): Google; Natl Robot Engn Ctr; Adobe; Microsoft Res; Mitsubishi Elect; Mobileye; Nvidia; Point Grey; Technicolor; Toshiba; Toyota; Datalogic; IBM Res; ST; Univ Studi Firenze; Univ Cambridge; Ente Cassa Risparmio Firenze COMPUTER VISION - ECCV 2012, PT III Book Series: Lecture Notes in Computer Science Volume: 7585 Pages: 1-10 Published: 2012	4	2	1
231		The Benefits of Dense Stereo for Pedestrian Detection By: Keller, Christoph G.; Enzweiler, Markus; Rohrbach, Marcus; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 12 Issue: 4 Pages: 1096-1106 Published: DEC 2011	4	4	2
232		A Comparative Study of Stereo-Matching Algorithms for Road-Modeling in the Presence of Windscreen Wipers By: Schauwecker, Konstantin; Morales, Sandino; Hermann, Simon; 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: 7-12 Published: 2011	4	2	1
233		A Comparative Study of Two Vertical Road Modelling Techniques By: Schauwecker, Konstantin; Klette, Reinhard Edited by: Koch, R; Huang, F Conference: 10th Asian Conference on Computer Vision (ACCV) Location: Queenstown, NEW ZEALAND Date: NOV 08-12, 2010 Sponsor(s): Asian Federat Comp Vision Soc; Next Window Touch Screen Technol; NICTA Austr Informat & Commun Technol; Microsoft Res Asia; Aerograph Interactive Comp Graph; Adelpt Elect Solut; 4D View Solut COMPUTER VISION - ACCV 2010 WORKSHOPS, PT II Book Series: Lecture Notes in Computer Science Volume: 6469 Pages: 174-183 Published: 2011	4	2	1
234		Towards a Global Optimal Multi-Layer Stixel Representation of Dense 3D Data By: Pfeiffer, David; Franke, Uwe Edited by: Hoey, J; McKenna, S; Trucco, E Conference: 22nd British Machine Vision Conference Location: Univ Dundee, Dundee, SCOTLAND Date: AUG 29-SEP 02, 2011 PROCEEDINGS OF THE BRITISH MACHINE VISION CONFERENCE 2011 Published: 2011	4	2	1

235		Curb Reconstruction using Conditional Random Fields By: Siegemund, Jan; Pfeiffer, David; Franke, Uwe; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Univ Calif, San Diego (UCSD), San Diego, CA Date: JUN 21-24, 2010 Sponsor(s): IEEE; IEEE Intelligent Transportat Syst Soc; Calif Inst Telecommunicat & Informat Technol (Calit2) 2010 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 203-210 Published: 2010	4	2
236		A Self-Adaptive Approach for Curbstone/Roadside Detection based on Human-Like Signal Processing and Multi-Sensor Fusion By: Michalke, Thomas; Kastner, Robert; Fritsch, Jannik; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Univ Calif, San Diego (UCSD), San Diego, CA Date: JUN 21-24, 2010 Sponsor(s): IEEE; IEEE Intelligent Transportat Syst Soc; Calif Inst Telecommunicat & Informat Technol (Calit2) 2010 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 307-312 Published: 2010	4	2
237		B-Spline Modeling of Road Surfaces With an Application to Free-Space Estimation By: Wedel, Andreas; Badino, Hernan; Rabe, Clemens; et al. Conference: IEEE Intelligent Vehicles Symposium Location: Eindhoven, NETHERLANDS Date: JUN 04-06, 2008 Sponsor(s): IEEE IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 10 Issue: 4 Pages: 572-583 Published: DEC 2009	4	2
238		Binocular Stereo Vision Based Obstacle Avoidance Algorithm for Autonomous Mobile Robots By: Kumar, Saurav Book Group Author(s): IEEE Conference: IEEE International Advance Computing Conference Location: Patiala, INDIA Date: MAR 06-07, 2009 Sponsor(s): IEEE 2009 IEEE INTERNATIONAL ADVANCE COMPUTING CONFERENCE, VOLS 1-3 Pages: 254-+ Published: 2009	4	2
239		Dense Stereo-Based ROI Generation for Pedestrian Detection By: Keller, C. G.; Llorca, D. F.; Gavrila, D. M. Edited by: Denzler, J; Notni, G; Sube, H Conference: 31st DAGM Symposium on Pattern Recognition Location: Jena, GERMANY Date: SEP 09-11, 2009 Sponsor(s): OLYMPUS Europe Fdn Sci Life; STIFT Thuringia; MVTec Software GmbH; Telekom Lab; Allied Vis Technol; Desko GmbH; Jenoptik AG; Optonet e V PATTERN RECOGNITION, PROCEEDINGS Book Series: Lecture Notes in Computer Science Volume: 5748 Pages: 81-+ Published: 2009	4	2
240		B-Spline Modeling of Road Surfaces for Freespace Estimation By: Wedel, Andreas; Franke, Uwe; Badino, Hernan; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Eindhoven, NETHERLANDS Date: JUN 04-06, 2008 Sponsor(s): IEEE 2008 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1-3 Book Series: IEEE Intelligent Vehicles Symposium Pages: 776-+ Published: 2008	4	2
241	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.	Development of Three-Dimensional Dental Scanning Apparatus Using Structured Illumination By: Ahn, Jae Sung; Park, Anjin; Kim, Ju Wan; et al. SENSORS Volume: 17 Issue: 7 Article Number: 1634 Published: JUL 2017	8	2

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242		A Distance Measurement Method Using Single Camera For Indoor Environments By: Sadreddini, Zhaleh; Cavdar, Tugrul; Jond, Hossein Barghi Edited by: Herencsar, N Conference: 39th International Conference on Telecommunications and Signal Processing (TSP) Location: Vienna, AUSTRIA Date: JUN 27-29, 2016	8	1
243		Real-Time Automatic Obstacle Detection method for Traffic Surveillance in Urban Traffic By: Lan, Jinhui; Jiang, Yaoliang; Fan, Guoliang; et al. JOURNAL OF SIGNAL PROCESSING SYSTEMS FOR SIGNAL IMAGE AND VIDEO TECHNOLOGY Volume: 82 Issue: 3 Pages: 357-371 Published: MAR 2016	8	1
244		Mathematical model for hybrid and panoramic stereovision systems: panoramic to rectilinear conversion model By: Arfaoui, Aymen; Thibault, Simon APPLIED OPTICS Volume: 54 Issue: 21 Pages: 6534-6542 Published: JUL 20 2015	8	1
245		Determining Subject Distance Based on Face Size By: Shoani, Mohamed Tahir Ahmed; Amin, Shamsudin H. M.; Sanhoury, Ibrahim M. H. Edited by: Soh, AC; Selamat, H; Rahman, RZA; et al. Conference: 10th Asian Control Conference (ASCC) Location: Kota Kinabalu, MALAYSIA Date: MAY 31-JUN 03, 2015	8	1
246		Highly Accurate Stereo-based Measuring and Tracking System for Vessel Control By: Ogura, Tadashi; Mizuchi, Yoshiaki; Kim, Young-Bok; et al. Book Group Author(s): IEEE Conference: 15th International Conference on Control, Automation and Systems (ICCAS) Location: Busan, SOUTH KOREA Date: OCT 13-16, 2015	8	1
247		High-Performance Long Range Obstacle Detection Using Stereo Vision By: Pinggera, Peter; Franke, Uwe; Mester, Rudolf Book Group Author(s): IEEE Conference: IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) Location: Hamburg, GERMANY Date: SEP 28-OCT 02, 2015 Pages: 1308-1313 Published: 2015	8	1
248		Ground or Obstacles? Detecting Clear Paths in Vehicle Navigation By: Aeschimann, Ralph; Borges, Paulo Vinicius Koerich Book Group Author(s): IEEE Conference: IEEE International Conference on Robotics and Automation (ICRA) Location: Seattle, WA Date: MAY 26-30, 2015 Sponsor(s): IEEE 2015 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (ICRA) Book Series: IEEE International Conference on Robotics and Automation ICRA Pages: 3927-3934 Published: 2015	8	1
249		Robust obstacle detection based on a novel disparity calculation method and G-disparity By: Wang, Yifei; Gao, Yuan; Achim, Alin; et al. COMPUTER VISION AND IMAGE UNDERSTANDING Volume: 123 Pages: 23-40 Published: JUN 2014	8	2
250		Pedestrian detection on moving vehicle using stereovision and 2d cue By: Yang, Yang, Jingyu Yang, and Dongyan Guo. Book, In Intelligent Science and Intelligent Data Engineering, pp. 466-474. Springer Berlin Heidelberg, 2013.	8	1
251		An FPGA-Based Collision Warning System Using Moving-Object Detection Inspired by Neuronal Propagation in the Hippocampus By: Liang, Haichao; Suzuki, Youhei; Morie, Takashi; et al. Edited by: Hanazawa, A; Miki, T; Horio, K BRAIN-INSPIRED INFORMATION TECHNOLOGY Book Series: Studies in Computational Intelligence Volume: 266 Pages: 153-158 Published: 2010	8	1
252		Videogestützte Umfelderfassung zur Interpretation von Verkehrssituationen für kognitive Automobile By: Vacek, Stefan. Book, KIT Scientific Publishing, 2009.	8	1
253		Improvement of stereo vision-based position and velocity estimation and tracking using a stripe-based disparity estimation and inverse perspective map-based extended Kalman filter By: Lim, Young-Chul; Lee, Minho; Lee, Chung-Hee; et al. OPTICS AND LASERS IN ENGINEERING Volume: 48 Issue: 9 Pages: 859-868	8	2
254		Obstacles and Pedestrian Detection on a Moving Vehicle By: Yang Yang; Ren Mingwu; Yang Jingyu INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS Volume: 11 Article Number: 53 Published: APR 1 2014	8	1
255		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	8	2

256		State-of-the-Art Versus Time-Triggered Object Tracking in Advanced Driver Assistance Systems By: Koplin, Moritz; Elmenreich, Wilfried INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS Volume: 10 Article Number: 196 Published: APR 15 2013	8	1	1
257		Wireless positioning systems: operation, application, and comparison By: Zekavat, Seyed A. Reza, Stuti Kansal, and Allen H. Levesque. in Handbook of Position Location: Theory, Practice, and Advances (2011): 3-23, Wiley-IEEE Press.	8	1	1
258		Research progress of depth detection in vision measurement: a novel project of bifocal imaging system for 3D measurement By: Lia, Anhu; Ding, Ye; Wang, Wei; et al. OPTICS AND PHOTONICS FOR INFORMATION PROCESSING VII Book Series: Proceedings of SPIE Volume: 8855 Article Number: UNSP 88550Y Published: 2013	8	1	1
259		Stereo regions-of-interest selection for pedestrian protection: A survey By: Llorca, D. F.; Sotelo, M. A.; Hellin, A. M.; et al. TRANSPORTATION RESEARCH PART C-EMERGING TECHNOLOGIES Volume: 25 Pages: 226-237 Published: DEC 2012	8	1	1
260		A Vision-Based Driver Nighttime Assistance and Surveillance System Based on Intelligent Image Sensing Techniques and a Heterogamous Dual-Core Embedded System Architecture By: Chen, Yen-Lin; Chiang, Hsin-Han; Chiang, Chuan-Yen; et al. SENSORS Volume: 12 Issue: 3 Pages: 2373-2399 Published: MAR 2012	8	2	2
261		Approach to evoking stereovision impressions from images By: Balcerek, Julian; Konieczka, Adam; Dabrowski, Adam; et al. PRZEGLAD ELEKTROTECHNICZNY Volume: 88 Issue: 6 Pages: 17-23 Published: 2012	8	1	1
262		Depth Calculation and Object Detection Using Stereo Vision with Subpixel Disparity and HOG Feature By: Song, Weilong; Xiong, Guangming; Cao, Linlang; et al. ADVANCES IN INFORMATION TECHNOLOGY AND EDUCATION, PT I Book Series: Communications in Computer and Information Science Volume: 201 Pages: 489-494 Part: 1 Published: 2011	8	1	1
263		Stixels estimation without depth map computation By: Benenson, Rodrigo; Timofte, Radu; Van Gool, Luc 2011 IEEE INTERNATIONAL CONFERENCE ON COMPUTER VISION WORKSHOPS (ICCV WORKSHOPS) Published: 2011	8	1	1
264		Stereo obstacle detection in challenging environments: the VIAC experience By: Broggi, Alberto; Buzzoni, Michele; Felisa, Mirko; et al. 2011 IEEE/RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS Book Series: IEEE International Conference on Intelligent Robots and Systems Pages: 1599-1604 Published: 2011	8	1	1
265		Brightness Correction and Stereovision Impression Based Methods of Perceived Quality Improvement of CCTV Video Sequences By: Balcerek, Julian; Konieczka, Adam; Dabrowski, Adam; et al. MULTIMEDIA COMMUNICATIONS, SERVICES, AND SECURITY Book Series: Communications in Computer and Information Science Volume: 149 Pages: 64-72 Published: 2011	8	1	1
266		Resolving stereo matching errors due to repetitive structures using model information By: Barrois, Bjoern; Konrad, Marcus; Woehler, Christian; et al. PATTERN RECOGNITION LETTERS Volume: 31 Issue: 12 Special Issue: SI Pages: 1683-1692 Published: SEP 1 2010	8	2	2
267		Object Distance Estimation Based on Stereo Vision and Color Segmentation with Region Matching By: Xiong, Guangming; Li, Xin; Xi, Junqiang; et al. ADVANCES IN VISUAL COMPUTING, PT III Book Series: Lecture Notes in Computer Science Volume: 6455 Pages: 368-376 Published: 2010	8	1	1
268		Embedded On-road Nighttime Vehicle Detection and Tracking System for Driver Assistance By: Chen, Yen-Lin; Chiang, Chuan-Yen IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN AND CYBERNETICS (SMC 2010) Book Series: IEEE International Conference on Systems Man and Cybernetics Conference Proceedings Published: 2010	8	1	1
269		On-road Obstacle Detection and Tracking System Using Robust Global Stereo Vision Method By: Kwon, Soon; Lee, Jong-Hun; Na, In-tae; et al. SIGNAL AND DATA PROCESSING OF SMALL TARGETS 2010 Book Series: Proceedings of SPIE Volume: 7698 Article Number: 769818 Published: 2010	8	1	1
270		Range and Size Estimation Based on a Coordinate Transformation Model for Driving Assistance Systems By: Wu, Bing-Fei; Lin, Chuan-Tsai; Chen, Yen-Lin IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS Volume: E92D Issue: 9 Pages: 1725-1735 Published: SEP 2009	8	1	1

271		A Stereo Matching Algorithm based on Top-view Transformation and Dynamic Programming for Road-vehicle Detection By: Lee, Ki-Yong; Lee, Joon-Woong; Houshangi, Nasser INTERNATIONAL JOURNAL OF CONTROL AUTOMATION AND SYSTEMS Volume: 7 Issue: 2 Pages: 221-231 Published: APR 2009	8	1
272		3D Integration of Image Sensor SiP using TSV Silicon Interposer By: Wolf, M. Juergen; Zoschke, K.; Klumpp, A.; et al. 2009 11TH ELECTRONICS PACKAGING TECHNOLOGY CONFERENCE (EPTC 2009) Pages: 795-800 Published: 2009	8	1
273		3D Image Sensor SiP with TSV Silicon Interposer By: Limansyah, I.; Wolf, M. J.; Klumpp, A.; et al. 2009 IEEE 59TH ELECTRONIC COMPONENTS AND TECHNOLOGY CONFERENCE, VOLS 1-4 Pages: 1430-1436 Published: 2009	8	1
274		Position Estimation and Multiple Obstacles Tracking Method based on Stereo Vision System By: Lim, Young-Chul; Lee, Chung-Hee; Kwon, Soon; et al. 2009 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1 AND 2 Book Series: IEEE Intelligent Vehicles Symposium Pages: 72-77 Published: 2009	8	1
275		REAL-TIME VISION-BASED VEHICLE DETECTION AND TRACKING ON A MOVING VEHICLE FOR NIGHTTIME DRIVER ASSISTANCE By: Chen, Y. -L.; Wu, B-F.; Lin, C-T.; et al. INTERNATIONAL JOURNAL OF ROBOTICS & AUTOMATION Volume: 24 Issue: 2 Pages: 89-102 Published: 2009	8	1
276		Setup considerations for calibration of a stereovision system for long range obstacle detection By: Gauci, Jason; Zarmnit-Mangion, David 2008 3RD INTERNATIONAL SYMPOSIUM ON COMMUNICATIONS, CONTROL AND SIGNAL PROCESSING, VOLS 1-3 Pages: 1091-1095 Published: 2008	8	1
277		Distance Estimation Algorithm for Both Long and Short Ranges Based on Stereo Vision System By: Lim, Young-Chul; Lee, Chung-Hee; Kwon, Soon; et al. 2008 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1-3 Book Series: IEEE Intelligent Vehicles Symposium Pages: 393-398 Published: 2008	8	1
278		Study on Vehicle Safety Distance Warning System By: Chen, Yuan-Lin; Wang, Shun-Chung; Wang, Chong-An 2008 IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL TECHNOLOGY, VOLS 1-5 Pages: 173-178 Published: 2008	8	1
279		Vision-based Nighttime Vehicle Detection and Range Estimation for Driver Assistance By: Chen, Yen-Lin; Lin, Chuan-Tsai; Fan, Chung-Jui; et al. 2008 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN AND CYBERNETICS (SMC), VOLS 1-6 Book Series: IEEE International Conference on Systems Man and Cybernetics Conference Proceedings Pages: 2987-2992 Published: 2008	8	1
280		Tracking Distance and Velocity using a Stereo Vision System By: Lim, Young-Chul; Lee, Chung-Hee; Kwon, Soon; et al. 2008 SECOND INTERNATIONAL CONFERENCE ON FUTURE GENERATION COMMUNICATION AND NETWORKING SYMPOSIA, VOLS 1-5, PROCEEDINGS Pages: 215-217 Published: 2008	8	1
281		Obstacle Detection from Uncalibrated Cameras By: Touzene, Nadia Baha; Larabi, Slimane PCI 2008: 12TH PAN-HELLENIC CONFERENCE ON INFORMATICS, PROCEEDINGS Pages: 152-156 Published: 2008	8	1
282		Towards optimal stereo analysis of image sequences By: Franke, Uwe; Gehrig, Stefan; Badino, Hernan; et al. ROBOT VISION, PROCEEDINGS Book Series: Lecture Notes in Computer Science Volume: 4931 Pages: 43-58 Published: 2008	8	1
283		Person identification system for future digital TV with intelligence By: Hwang, Min-Cheol; Ha, Le Thanh; Kim, Nam-Hyeong; et al. IEEE TRANSACTIONS ON CONSUMER ELECTRONICS Volume: 53 Issue: 1 Pages: 218-226 Published: FEB 2007	8	2

284		Vehicle safety distance warning system: A novel algorithm for vehicle safety distance calculating between moving cars By: Chen, Yuan-Lin; Wang, Chong-An 2007 IEEE 65TH VEHICULAR TECHNOLOGY CONFERENCE, VOLS 1-6 Book Series: IEEE VTS Vehicular Technology Conference Proceedings Pages: 2570-2574 Published: 2007	8	1	1
285		Real-time person identification system for intelligent digital TV By: Hwang, Min-Cheol; Ha, Le Thanh; Kim, Seung-Kyun; et al. ICCE: 2007 DIGEST OF TECHNICAL PAPERS INTERNATIONAL CONFERENCE ON CONSUMER ELECTRONICS Book Series: International Conference on Consumer Electronics Pages: 103-104 Published: 2007	8	1	1
286		Global correlation based ground plane estimation using V-disparity image By: Zhao, Jun; Katupitiya, Jayantha; Ward, James PROCEEDINGS OF THE 2007 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION, VOLS 1-10 Book Series: IEEE International Conference on Robotics and Automation ICRA Pages: 529-534 Published: 2007	8	1	1
287		Nighttime vehicle detection for driver assistance and autonomous vehicles By: Chen, Yen-Lin; Chen, Yuan-Hsin; Chen, Chao-Jung; et al. 18TH INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION, VOL 1, PROCEEDINGS Book Series: INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION Pages: 687-690 Published: 2006	8	1	1
288		Long range obstacle detection using laser scanner and stereovision By: Perrollaz, Mathias; Labayrade, Raphael; Royere, Cyril; et al. 2006 IEEE INTELLIGENT VEHICLES SYMPOSIUM Pages: 182-187 Published: 2006	8	1	1
289		Robust image measurement and analysis based on perspective transformations By: Wu, Bing-Fei; Lin, Chuan-Tsai 2006 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS, VOLS 1-6, PROCEEDINGS Book Series: IEEE International Conference on Systems Man and Cybernetics Conference Proceedings Pages: 2390-2395 Published: 2006	8	1	1
290		Digital VLSI implementation of a moving object detection algorithm based on neuronal propagation in the hippocampus By: Liang, Haichao; Nakayama, Hiroyuki; Nakada, Kazuki; et al. 2006 INTERNATIONAL SYMPOSIUM ON INTELLIGENT SIGNAL PROCESSING AND COMMUNICATIONS, VOLS 1 AND 2 Book Series: International Symposium on Intelligent Signal Processing and Communication Systems ISPACS Pages: 561-564 Published: 2006	8	1	1
291		A fuzzy vehicle detection based on contour size similarity By: Wu, BF; Lin, CT 2005 IEEE INTELLIGENT VEHICLES SYMPOSIUM PROCEEDINGS Pages: 496-501 Published: 2005	8	1	1
292		Detection of road obstacles using dynamic programming for remapped stereo images to a top-view By: Lee, KY; Lee, JW; Cho, MR 2005 IEEE INTELLIGENT VEHICLES SYMPOSIUM PROCEEDINGS Pages: 765-770 Published: 2005	8	1	1
293		A fast lane and vehicle detection approach for autonomous vehicles By: Wu, BF; Lin, CT; Chen, CJ; et al. SEVENTH IASTED INTERNATIONAL CONFERENCE ON SIGNAL AND IMAGE PROCESSING Pages: 305-310 Published: 2005	8	1	1
294		Real-time image segmentation and rule-based reasoning for vehicle head light detection on a moving vehicle By: Wu, BF; Chen, YL; Chen, YH; et al. SEVENTH IASTED INTERNATIONAL CONFERENCE ON SIGNAL AND IMAGE PROCESSING Pages: 388-393 Published: 2005	8	1	1
295	Danescu R., Oniga F., Nedevschi S. "Particle grid tracking system for stereovision based environment perception" (2010) IEEE Intelligent Vehicles Symposium, Proceedings, , art. no. 5548076 , pp. 987-992.	Konrad, M., Szczot, M., Schüle, F., Dietmayer, K., Generic grid mapping for road course estimation, IEEE Intelligent Vehicles Symposium, Proceedings , art. no. 5940514 , pp. 851-856	3	2.666666667	1
296		Lim, Y.-C., Lee, C.-H., Kwon, S., Kim, J., Event-driven track management method for robust multi-vehicle tracking, 2011, IEEE Intelligent Vehicles Symposium, Proceedings , art. no. 5940458 , pp. 189-194	3	2.666666667	1
297		Lategahn, H., Graf, T., Hasberg, C., Kitt, B., Effertz, J., Mapping in dynamic environments using stereo vision, 2011, IEEE Intelligent Vehicles Symposium, Proceedings , art. no. 5940450 , pp. 150-156.	3	2.666666667	1

#	Citation	Reference			
298	Nedevschi, S.; Danescu, R.; Frentiu, D.; Marita, T.; Oniga, F.; Pocol, C.; Schmidt, R.; Graf, T. , "High accuracy stereovision approach for obstacle detection on non-planar roads," in IEEE Inteligent Engineering Systems (INES), Cluj Napoca, Romania, 2004, pp. 211-216.	Object recognition and pose estimation for industrial applications: A cascade system By: Rocha, Luis F.; Ferreira, Marcos; Santos, V.; et al. ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING Volume: 30 Issue: 6 Pages: 605-621 Published: DEC 2014	8	1	1
299		PROPOSITION OF GENERIC VALIDATION CRITERIA USING STEREO-VISION FOR ON-ROAD OBSTACLE DETECTION By: Perrollaz, Mathias; Labayrade, Raphael; Gruyer, Dominique; et al. INTERNATIONAL JOURNAL OF ROBOTICS & AUTOMATION Volume: 29 Issue: 1 Pages: 32-43 Published: 2014	8	1	1
300		Noise-resilient Road Surface and Free Space Estimation Using Dense Stereo By: Suhr, Jae Kyu; Jung, Ho Gi 2013 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 461-466 Published: 2013	8	1	1
301		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	8	2	2
302		The Benefits of Dense Stereo for Pedestrian Detection By: Keller, Christoph G.; Enzweiler, Markus; Rohrbach, Marcus; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 12 Issue: 4 Pages: 1096-1106 Published: DEC 2011	8	2	2
303		Survey of Pedestrian Detection for Advanced Driver Assistance Systems By: Geronimo, David; Lopez, Antonio M.; Sappa, Angel D.; et al. IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE Volume: 32 Issue: 7 Pages: 1239-1258 Published: JUL 2010	8	2	2
304		2D-3D-based on-board pedestrian detection system By: Geronimo, David; Sappa, Angel D.; Ponsa, Daniel; et al. COMPUTER VISION AND IMAGE UNDERSTANDING Volume: 114 Issue: 5 Special Issue: SI Pages: 583-595 Published: MAY 2010	8	2	2
305		The ArosDyn Project: Robust Analysis of Dynamic Scenes By: Paromtchik, Igor E.; Laugier, Christian; Perrollaz, Mathias; et al. 11TH INTERNATIONAL CONFERENCE ON CONTROL, AUTOMATION, ROBOTICS AND VISION (ICARCV 2010) Pages: 1403-1409 Published: 2010	8	1	1
306		B-Spline Modeling of Road Surfaces With an Application to Free-Space Estimation By: Wedel, Andreas; Badino, Hernan; Rabe, Clemens; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 10 Issue: 4 Pages: 572-583 Published: DEC 2009	8	2	2
307		An Experimental Study on Pitch Compensation in Pedestrian-Protection Systems for Collision Avoidance and Mitigation By: Llorca, D. F.; Sotelo, M. A.; Parra, I.; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 10 Issue: 3 Pages: 469-474 Published: SEP 2009	8	2	2
308		Detection of Non-flat Ground Surfaces Using V-Disparity Images By: Zhao, Jun; Whitty, Mark; Katupitiya, Jayantha 2009 IEEE-RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS Pages: 4584-4589 Published: 2009	8	1	1
309		Moving Obstacle Detection in Highly Dynamic Scenes By: Ess, A.; Leibe, B.; Schindler, K.; et al. ICRA: 2009 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION, VOLS 1-7 Book Series: IEEE International Conference on Robotics and Automation-ICRA Pages: 4451-4458 Published: 2009	8	1	1
310		Dense Stereo-Based ROI Generation for Pedestrian Detection By: Keller, C. G.; Llorca, D. F.; Gavrila, D. M. PATTERN RECOGNITION, PROCEEDINGS Book Series: Lecture Notes in Computer Science Volume: 5748 Pages: 81-90 Published: 2009	8	2	2
311		An efficient approach to onboard stereo vision system pose estimation By: Sappa, Angel Domingo; Dornaika, Fadi; Ponsa, Daniel; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 9 Issue: 3 Pages: 476-490 Published: SEP 2008	8	2	2
312		B-Spline Modeling of Road Surfaces for Freespace Estimation By: Wedel, Andreas; Franke, Uwe; Badino, Hernan; et al. 2008 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1-3 Book Series: IEEE Intelligent Vehicles Symposium Pages: 776-781 Published: 2008	8	1	1

313		Off-road path and obstacle detection using decision networks and stereo vision By: Caraffi, Claudio; Cattani, Stefano; Grisleri, Paolo IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 8 Issue: 4 Pages: 607-618 Published: DEC 2007	8	2	2
314		Probabilistic representation of the uncertainty of stereo-vision and application to obstacle detection By: Perrollaz, Mathias; Spalanzani, Anne; Aubert, Didier Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Univ Calif, San Diego (UCSD), San Diego, CA Date: JUN 21-24, 2010, Pages: 313-318	8	1	1
315		A Comparative Study of Stereo-Matching Algorithms for Road-Modeling in the Presence of Windscreen Wipers By: Schauwecker, Konstantin; Morales, Sandino; Hermann, Simon; et al. 2011 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 7-12 Published: 2011	8	1	1
316		Nonparametric Technique Based High-Speed Road Surface Detection, M Wu, SK Lam, T Srikanthan, Intelligent Transportation Systems, IEEE Transactions on, 2014, Volume:PP Issue:99	8	2	2
317		Dense Stereo-Based Robust Vertical Road Profile Estimation Using Hough Transform and Dynamic Programming By: Suhr, J.K. ; Jung, H.G. , Intelligent Transportation Systems, IEEE Transactions on , Volume PP, Issue 99, early access	8	2	2
318		Monovision-based vehicle detection, distance and relative speed measurement in urban traffic By: Ibarra Arenado, Manuel; Perez Oria, Juan Maria; Torre-Ferrero, Carlos; et al. IET INTELLIGENT TRANSPORT SYSTEMS Volume: 8 Issue: 8 Pages: 655-664 Published: DEC 2014	8	1	1
319		Gerónimo, David, and Antonio M. López. Vision-based Pedestrian Protection Systems for Intelligent Vehicles. Book, Springer, 2013.	8	1	1
320		3D candidate selection method for pedestrian detection on non-planar By: Fernandez, D.; Parra, I.; Sotelo, M. A.; et al. 2007 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1-3 Pages: 19-24 Published: 2007	8	1	1
321	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	Learning Framework for Robust Obstacle Detection, Recognition, and Tracking By: Vinh Dinh Nguyen; Hau Van Nguyen; Dinh Thi Tran; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 18 Issue: 6 Pages: 1633-1646 Published: JUN 2017	4	4	2
322		Indoor location-aware medical systems for smart homecare and telehealth monitoring: state-of-the-art By: Santoso, Fendy; Redmond, Stephen J. PHYSIOLOGICAL MEASUREMENT Volume: 36 Issue: 10 Published: OCT 2015	4	4	2
323		Dense Stereo-Based Robust Vertical Road Profile Estimation Using Hough Transform and Dynamic Programming By: Suhr, Jae Kyu; Jung, Ho Gi IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 16 Issue: 3 Pages: 1528-1536 Published: JUN 2015	4	4	2
324		Occupancy Grid Mapping in Urban Environments from a Moving On-Board Stereo-Vision System By: Li, You; Ruichek, Yassine SENSORS Volume: 14 Issue: 6 Pages: 10454-10478 Published: JUN 2014	4	4	2
325		Building Variable Resolution Occupancy Grid Map from Stereoscopic System - a Quadtree based Approach By: Li, You; Ruichek, Yassine Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Gold Coast, AUSTRALIA Date: JUN 23-26, 2013	4	2	1
326		Observing Dynamic Urban Environment through Stereo-Vision Based Dynamic Occupancy Grid Mapping By: Li, You; Ruichek, Yassine Edited by: Petrosino, A Conference: 17th International Conference on Image Analysis and Processing (ICIAP) Location: Naples, ITALY Date: SEP 09-13, 2013	4	2	1
327		Tracking-based Wireless Intrusion Detection for Vehicular Networks By: Santoso, Fendy; Malaney, Robert Book Group Author(s): IEEE Conference: IEEE 74th Vehicular Technology Conference (VTC) Location: San Francisco, CA Date: SEP 05-08, 2011	4	2	1

328	R. Danescu, F. Oniga, S. Nedevschi, "Modeling 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.	Evidential Grid-Based Tracking and Mapping By: Tanzmeister, Georg; Wollherr, Dirk IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 18 Issue: 6 Pages: 1454-1467 Published: JUN 2017	3	5.333333333	2
329		Learning Framework for Robust Obstacle Detection, Recognition, and Tracking By: Vinh Dinh Nguyen; Hau Van Nguyen; Dinh Thi Tran; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 18 Issue: 6 Pages: 1633-1646 Published: JUN 2017	3	5.333333333	2
330		A Review of the Bayesian Occupancy Filter By: Saval-Calvo, Marcelo; Medina-Valdes, Luis; Castillo-Secilla, Jose Maria; et al. SENSORS Volume: 17 Issue: 2 Article Number: 344 Published: FEB 2017	3	5.333333333	2
331		A cooperative vehicle-infrastructure based urban driving environment perception method using a D-S theory-based credibility map By: Zhao, Xiangmo; Mu, Kenan; Hui, Fei; et al. OPTIK Volume: 138 Pages: 407-415 Published: 2017	3	2.666666667	1
332		Sequential Monte Carlo filter based on multiple strategies for a scene specialization classifier By: Maamatou, Houda; Chateau, Thierry; Gazzah, Sami; et al. EURASIP JOURNAL ON IMAGE AND VIDEO PROCESSING Article Number: 40 Published: NOV 25 2016	3	5.333333333	2
333		Likelihood-Field-Model-Based Dynamic Vehicle Detection and Tracking for Self-Driving By: Chen, Tongtong; Wang, Ruili; Dai, Bin; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 17 Issue: 11 Pages: 3142-3158 Published: NOV 2016	3	5.333333333	2
334		Generic Dynamic Environment Perception Using Smart Mobile Devices By: Danescu, Radu; Itu, Razvan; Petrovai, Andra SENSORS Volume: 16 Issue: 10 Article Number: 1721 Published: OCT 2016	3	5.333333333	2
335		A Survey of Vision-Based Traffic Monitoring of Road Intersections By: Datondji, Sokemi Rene Emmanuel; Dupuis, Yohan; Subirats, Peggy; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 17 Issue: 10 Pages: 2681-2698 Published: OCT 2016	3	5.333333333	2
336		Fast Occupancy Grid Filtering Using Grid Cell Clusters From LIDAR and Stereo Vision Sensor Data By: Oh, Sang-Il; Kang, Hang-Bong IEEE SENSORS JOURNAL Volume: 16 Issue: 19 Pages: 7258-7266 Published: OCT 1 2016	3	2.666666667	1
337		Novel Intersection Type Recognition for Autonomous Vehicles Using a Multi-Layer Laser Scanner By: An, Jhonghyun; Choi, Baehoon; Sim, Kwee-Bo; et al. SENSORS Volume: 16 Issue: 7 Article Number: 1123 Published: JUL 2016	3	5.333333333	2
338		Vision for Looking at Traffic Lights: Issues, Survey, and Perspectives By: Jensen, Morten Borno; Philipsen, Mark Philip; Mogelmose, Andreas; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 17 Issue: 7 Pages: 1800-1815 Published: JUL 2016	3	5.333333333	2
339		Compact Representation of Dynamic Driving Environments for ADAS by Parametric Free Space and Dynamic Object Maps By: Schreier, Matthias; Willert, Volker; Adamy, Juergen IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 17 Issue: 2 Pages: 367-384 Published: FEB 2016	3	5.333333333	2

340		Driver aggressiveness detection via multisensory data fusion By: Kumtepe, Omurcan; Akar, Gozde Bozdagi; Yuncu, Enes EURASIP JOURNAL ON IMAGE AND VIDEO PROCESSING Article Number: 5 Published: JAN 27 2016	3	5.333333333	2
341		Spatiotemporal Alignment for Low-Level Asynchronous Data Fusion with Radar Sensors in Grid-Based Tracking and Mapping By: Tanzmeister, Georg; Steyer, Sascha Book Group Author(s): IEEE Conference: IEEE International Conference on Multisensor Fusion and Integration for Intelligent Systems (MFI) Location: Baden-Baden, GERMANY Date: SEP 19-21, 2016 Sponsor(s): IEEE 2016 IEEE INTERNATIONAL CONFERENCE ON MULTISENSOR FUSION AND INTEGRATION FOR INTELLIGENT SYSTEMS (MFI) Pages: 231-237 Published: 2016	3	2.666666667	1
342		Precise and Efficient Model-Based Vehicle Tracking Method Using Rao-Blackwellized and Scaling Series Particle Filters By: He, Mengwen; Takeuchi, Eijiro; Ninomiya, Yoshiki; et al. 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: 117-124 Published: 2016	3	2.666666667	1
343		Inferring a Spatial Road Representation from the Behavior of Real World Traffic Participants By: Casapietra, E.; Weisswange, T. H.; Goerick, C.; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Gothenburg, SWEDEN Date: JUN 19-22, 2016 Sponsor(s): IEEE 2016 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Book Series: IEEE Intelligent Vehicles Symposium Pages: 1185-1191 Published: 2016	3	2.666666667	1
344		Vehicle Detection Techniques for Collision Avoidance Systems: A Review By: Mukhtar, Amir; Xia, Likun; Tang, Tong Boon IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 16 Issue: 5 Pages: 2318-2338 Published: OCT 2015	3	5.333333333	2
345		Detection of moving objects in roundabouts based on a monocular system By: Hassannejad, Hamid; Medici, Paolo; Cardarelli, Elena; et al. EXPERT SYSTEMS WITH APPLICATIONS Volume: 42 Issue: 9 Pages: 4167-4176 Published: JUN 1 2015	3	2.666666667	1
346		Experience, Results and Lessons Learned from Automated Driving on Germany's Highways By: Aeberhard, Michael; Rauch, Sebastian; Bahram, Mohammad; et al. IEEE INTELLIGENT TRANSPORTATION SYSTEMS MAGAZINE Volume: 7 Issue: 1 Pages: 42-57 Published: SPR 2015	3	5.333333333	2
347		Ongoing Work on Traffic Lights: Detection and Evaluation By: Philipsen, Mark P.; Jensen, Morten B.; Trivedi, Mohan M.; et al. Book Group Author(s): IEEE Conference: 12th IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS) Location: IOSB, Karlsruhe Inst Technol & Fraunhofer, Karlsruhe, GERMANY Date: AUG 25-28, 2015 Sponsor(s): IEEE Signal Proc Soc; IEEE Comp Soc; Fraunhofer Inst Optronics, Syst Technol & Image Exploitation; Karlsruhe Inst Technol 2015 12TH IEEE INTERNATIONAL CONFERENCE ON ADVANCED VIDEO AND SIGNAL BASED SURVEILLANCE (AVSS) Published: 2015	3	2.666666667	1
348		Likelihood-field-model-based Vehicle Tracking with Velodyne By: Chen, Tongtong; Dai, Bin; Liu, Daxue; et al. Edited by: Liang, J; Zeng, B; Wang, L; et al. Conference: Proceedings 2015 8 International Congress on Image and Signal Processing (CISP) Location: Shenyang, PEOPLES R CHINA Date: OCT 14-16, 2015 2015 8th International Congress on Image and Signal Processing (CISP) Pages: 1566-1571 Published: 2015	3	2.666666667	1
349		Building a Probabilistic Grid-based Road Representation from Direct and Indirect Visual Cues By: Casapietra, E.; Weisswange, T. H.; Goerick, C.; 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: 273-279 Published: 2015	3	2.666666667	1

350		Fusion of Laser and Radar Sensor Data with a Sequential Monte Carlo Bayesian Occupancy Filter By: Nuss, Dominik; Yuan, Ting; Krehl, Gunther; 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: 1074-1081 Published: 2015	3	2.666666667	1
351		A Modified Sequential Monte Carlo Bayesian Occupancy Filter using Linear Opinion Pool for Grid Mapping By: Oh, Sang-Il; Kang, Hang-Bong Book Group Author(s): IEEE Conference: IEEE International Conference on Computer Vision Workshops Location: santigo, CHILE Date: DEC 11-18, 2015 Sponsor(s): CPS; IEEE Comp Soc; amazon; Microsoft; SENSETIME; Baidu; intel; facebook; Adobe; Panasonic; Google; OMRON; blippar; iRobot; HISCENE; nVIDIA; Viscqvery; AiCUre; M/Tec 2015 IEEE INTERNATIONAL CONFERENCE ON COMPUTER VISION WORKSHOP (ICCVW) Pages: 192-198 Published: 2015	3	2.666666667	1
352		Fusion of Doppler Radar and Geometric Attributes for Motion Estimation of Extended Objects By: Brosseit, Peter; Kellner, Dominik; Brenk, Carsten; et al. Book Group Author(s): IEEE Conference: Sensor Data Fusion: Trends, Solutions, Applications (SDF) Location: Bonn, GERMANY Date: OCT 06-08, 2015 Sponsor(s): AESS; ISIF 2015 WORKSHOP ON SENSOR DATA FUSION - TRENDS, SOLUTIONS, APPLICATIONS (SDF) Published: 2015	3	2.666666667	1
353		Person Tracking with Partial Occlusion Handling By: Lu, Xiaofeng; Zhang, Junhao; Song, Li; et al. Book Group Author(s): IEEE Conference: IEEE International Workshop on Signal Processing Systems (SiPS) Location: Hangzhou, PEOPLES R CHINA Date: OCT 14-16, 2015 Sponsor(s): IEEE 2015 IEEE INTERNATIONAL WORKSHOP ON SIGNAL PROCESSING SYSTEMS (SIPS 2015) Published: 2015	3	2.666666667	1
354		Merging Driver Assistance Decision System Using Occupancy Grid-based Traffic Situation Representation By: Mu, Kenan; Hui, Fei; Zhao, Xiangmo Book Group Author(s): IEEE Conference: 18th IEEE International Conference on Intelligent Transportation Systems Location: SPAIN Date: SEP 15-18, 2015 Sponsor(s): IEEE; Int Transportat Syst Soc; CVCEI; Univ Las Palmas Gran Canaria; Ayuntamentiao Las Palmas Gran Canaria; LPA; IEEE Comp Soc; Univ Las Palmas Gran Canaria, Inst Univ Ciencias Tecnologias Ciberneticas 2015 IEEE 18TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS Book Series: IEEE International Conference on Intelligent Transportation Systems-ITSC Pages: 231-237 Published: 2015	3	2.666666667	1
355		Conditional Monte Carlo Dense Occupancy Tracker By: Rummelhard, Lukas; Negre, Amaury; Laugier, Christian Book Group Author(s): IEEE Conference: 18th IEEE International Conference on Intelligent Transportation Systems Location: SPAIN Date: SEP 15-18, 2015 Sponsor(s): IEEE; Int Transportat Syst Soc; CVCEI; Univ Las Palmas Gran Canaria; Ayuntamentiao Las Palmas Gran Canaria; LPA; IEEE Comp Soc; Univ Las Palmas Gran Canaria, Inst Univ Ciencias Tecnologias Ciberneticas 2015 IEEE 18TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS Book Series: IEEE International Conference on Intelligent Transportation Systems-ITSC Pages: 2485-2490 Published: 2015	3	2.666666667	1
356		Continuous-Time Estimation for Dynamic Obstacle Tracking By: Ushani, Arash K.; Carlevaris-Bianco, Nicholas; Cunningham, Alexander G.; et al. Book Group Author(s): IEEE Conference: IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) Location: Hamburg, GERMANY Date: SEP 28-OCT 02, 2015 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; Ascending Technol; OPTOFORCE; DST Robot; BA Syst; Rainbow Robot; SIA; CLEARPATH Robot; Swiss Natl Ctr Competence Res Robot; SINEVA; Dyson; SICK; Robocept; Force Dimension; Open Unit Robot; Luoyang Natl Univ Sci Park; Fuzhou Univ; Synapticon; Google; Technishce Univ Munchen; iRobot; Echord++; Khalifa Univ; Pan Robot; FESTO; Kinova Robot; SCHUNK; ies 2015 IEEE/RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS (IROS) Book Series: IEEE International Conference on Intelligent Robots and Systems Pages: 1137-1143 Published: 2015	3	2.666666667	1
357		Theme Classification and Analysis of Core Articles Published in IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS From 2010 to 2013 By: Tang, Shaohu; Li, Zhengxi; Chen, Dewang; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 15 Issue: 6 Pages: 2710-2719 Published: DEC 2014	3	5.333333333	2

358		Dynamic Probabilistic Drivability Maps for Lane Change and Merge Driver Assistance By: Sivaraman, Sayanan; Trivedi, Mohan Manubhai IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 15 Issue: 5 Pages: 2063-2073 Published: OCT 2014	3	5.333333333	2
359		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
360		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
361		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
362		Road intersection detection and classification using hierarchical SVM classifier By: Rebai, Karima; Achour, Nouara; Azouaoui, Ouahiba ADVANCED ROBOTICS Volume: 28 Issue: 14 Pages: 929-941 Published: 2014	3	2.666666667	1
363		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
364		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
365		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
366		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
367		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
368		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
369		Merge Recommendations for Driver Assistance: A Cross-Modal, Cost-Sensitive Approach By: Sivaraman, Sayanan; Trivedi, Mohan M.; Tippelhofer, 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

370		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
371		Hierarchical SVM Classifier for Road Intersection Detection and Recognition By: Rebai, K.; Achour, N.; Azouaoui, O. Book Group Author(s): IEEE Conference: IEEE Conference on Open Systems (ICOS) Location: Kuching, MALAYSIA Date: DEC 02-04, 2013	3	2.666666667	1
372		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
373		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
374		Extended occupation grids for non-rigid moving objects tracking By: Lefaudeux, 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
375	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.	Embedded Implementation of a Real-Time Motion Estimation Method in Video Sequences By: Bako, Laszlo; Hajdu, Szabolcs; Brassai, Sandor-Tihamer; et al. Edited by: Moldovan, L Conference: 9th International Conference on Interdisciplinarity in Engineering (INTER-ENG) Location: Univ Tirgu Mure, Fac Engn, Tirgu Mures, ROMANIA Date: OCT 08-09, 2015	12	0.666666667	1
376		Embedded Implementation of a Resource-Efficient Optical Flow Extraction Method By: Bako, Laszlo; Brassai, Sandor-Tihamer; Enachescu, Calin 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
377		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
378		A 2D/3D Vision Based Approach Applied to Road Detection in Urban Environments By: Vitor, Giovani 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
379		Designing an integrated driver assistance system using image sensors By: Akhlaq, M.; Sheltami, 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
380		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
381		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

#	Citation	Description			
382		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: Alcala 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
383		Sparse Scene Flow Segmentation for Moving Object Detection in Urban Environments By: Lenz, Philip; 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
384		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
385		3D Pose Estimation of Vehicles Using a Stereo Camera By: Barrois, Bjoern; 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
386		Optimized Grid-Based Environment Perception in Advanced Driver Assistance Systems By: Nguyen, T. -N.; Meinecke, M. -M.; Tornow, 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
387		Stereo-based firee space computation in complex traffic scenarios By: Badino, Hernan; Mester, Rudolf; Vaudrey, Tobi; 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
388	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.	An efficient hardware-oriented stereo matching algorithm By: Cocorullo, Giuseppe; Corsonello, Pasquale; Frustaci, Fabio; et al. MICROPROCESSORS AND MICROSYSTEMS Volume: 46 Pages: 21-33 Part: A Published: OCT 2016	4	2	1
389		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
390		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
391		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
392		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
393		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
394		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

395		SGM-based dense disparity estimation using adaptive Census transform By: Loghman, 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
396		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
397		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
398		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
399		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
400		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
401	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	Fusion Between Laser and Stereo Vision Data For Moving Objects Tracking In Intersection Like Scenario By: Baig, 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
402		Online Localization and Mapping with Moving Objects Detection in Dynamic Outdoor Environments By: Baig, 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
403	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 .	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

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404		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
405		Optimization of 3D building models by GPS measurements By: Wada, Yutaro; Hsu, Li-Ta; Gu, Yanlei; et al. GPS SOLUTIONS Volume: 21 Issue: 1 Pages: 65-78 Published: JAN 2017	5	1.6	1
406		Lane-precise Localization of Intelligent Vehicles Using the Surrounding Object Constellation By: Kuhnt, 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
407		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
408		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
409		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
410		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
411		On Enhancing Lane Estimation Using Contextual Cues By: Satzoda, 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
412		Multispectral Stereo Odometry By: Mouats, Tarek; Aouf, Nabil; Domingo Sappa, Angel; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 16 Issue: 3 Pages: 1210-1224 Published: JUN 2015	5	3.2	2
413		Drive Analysis Using Vehicle Dynamics and Vision-Based Lane Semantics By: Satzoda, 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
414		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
415		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
416		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
417		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

418		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
419		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
420		Vision-Based Lane Analysis: Exploration of Issues and Approaches for Embedded Realization By: Satzoda, Ravi Kumar; Trivedi, Mohan M. Edited by: Kisacanin, 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
421		On Performance Evaluation Metrics for Lane Estimation By: Satzoda, Ravi Kumar; Trivedi, Mohan M. Book Group Author(s): IEEE Conference: 22nd International Conference on Pattern Recognition (ICPR) Location: Swedish Soc Automated Image Anal, Stockholm, SWEDEN Date: AUG 24-28, 2014	5	1.6	1
422		Feature Evaluation of Factorized Self-Localization By: Schuele, Florian; Buchner, Florian; Schweiger, Roland; et al. Book Group Author(s): IEEE Conference: IEEE 17th International Conference on Intelligent Transportation Systems (ITSC) Location: Qingdao, PEOPLES R CHINA Date: OCT 08-11, 2014	5	1.6	1
423		Map-Aided Localization with Lateral Perception By: Gruyer, Dominique; Belaroussi, Rachid; Revilloud, Marc Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium (IV) Location: Dearborn, MI Date: JUN 08-11, 2014	5	1.6	1
424		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
425		Lane-level Localization Based on Situational Awareness on Highway By: Kim, Heong-tae; 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
426		Time Sequence based Lane-marking Identification By: Li, Jiun-Hung; Huo, Chih-Li; Yu, Yu-Hsiang; et al. Edited by: Szakal, A Conference: IEEE International Conference on System Science and Engineering (ICSSE) Location: Budapest, HUNGARY Date: JUL 04-06, 2013	5	1.6	1
427	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	Automatic Road Surface Profiling with Sensors Fusion By: Luo, Xiang; Li, Yan; Ren, Xiang Thomas; et al. Book Group Author(s): IEEE Conference: 12th International Conference on Control, Automation, Robotics and Vision (ICARCV) Location: Guangzhou, PEOPLES R CHINA Date: DEC 05-07, 2012 2012 12TH INTERNATIONAL CONFERENCE ON CONTROL, AUTOMATION, ROBOTICS & VISION (ICARCV) Pages: 608-613	3	2.666666667	1
428	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.	Stereoscopic Roadside Curb Height Measurement Using V-Disparity By: Matu, Florin Octavian; Vlaykov, Iskren; Thogersen, Mikkel; et al. Edited by: Verikas, A; Vuksanovic, B; Radeva, P; et al. Conference: 7th International Conference on Machine Vision (ICMV) Location: Milan, ITALY Date: NOV 19-21, 2014 Sponsor(s): Sci & Engn Inst; Sichuan Univ; Singapore Inst Elect; Halmstad Univ SEVENTH INTERNATIONAL CONFERENCE ON MACHINE VISION (ICMV 2014) Book Series: Proceedings of SPIE Volume: 9445 Article Number: 94450F Published: 2015	2	4	1
429		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	2	8	2

#	Citing Reference	Cited Reference			
430		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	2	8	2
431		Stereo Vision Based Road Surface Preview By: Shen, Truman; Schamp, Gregory; Haddad, Mario Book Group Author(s): IEEE Conference: IEEE 17th International Conference on Intelligent Transportation Systems (ITSC) Location: Qingdao, PEOPLES R CHINA Date: OCT 08-11, 2014 Sponsor(s): IEEE 2014 IEEE 17TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS (ITSC) Pages: 1843-1849 Published: 2014	2	4	1
432		A New Curb Detection Method for Unmanned Ground Vehicles Using 2D Sequential Laser Data By: Liu, Zhao; Wang, Jinling; Liu, Daxue SENSORS Volume: 13 Issue: 1 Pages: 1102-1120 Published: JAN 2013	2	8	2
433		Curb Detection for a Pedestrian Robot in Urban Environments By: Maye, Jerome; Kaestner, Ralf; Siegwart, Roland Book Group Author(s): IEEE Conference: IEEE International Conference on Robotics and Automation (ICRA) Location: St Paul, MN Date: MAY 14-18, 2012 Sponsor(s): IEEE 2012 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (ICRA) Pages: 367-373 Published: 2012	2	4	1
434		A Temporal Filter Approach for Detection and Reconstruction of Curbs and Road Surfaces based on Conditional Random Fields By: Siegemund, Jan; Franke, Uwe; Foerstner, Wolfgang 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: 637-642 Published: 2011	2	4	1
435	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.	Symmetry-based monocular vehicle detection system By: Teoh, Soo Siang; Braeunl, Thomas MACHINE VISION AND APPLICATIONS Volume: 23 Issue: 5 Pages: 831-842 Published: SEP 2012	4	4	2
436		Forward obstacle detection in a lane by stereo vision By: Iwata, Hiroaki; Saneyoshi, Keiji Book Group Author(s): IEEE Conference: 39th Annual Conference of the IEEE Industrial-Electronics-Society (IECON) Location: Vienna, AUSTRIA Date: NOV 10-14, 2013, Pages: 2420-2425	4	2	1
437	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.	Maximum likelihood estimation of depth field for trinocular images By: Neri, A.; Carli, M.; Battisti, F. ELECTRONICS LETTERS Volume: 49 Issue: 6 Pages: 394-395 Published: MAR 14 2013	5	1.6	1
438		Trinocular Stereo Vision Method Based on Mesh Candidates By: Liu, Bin; Xu, Gang; Li, Haibin Edited by: Zhang, Y; Sasian, JM; Xiang, L; et al. Conference: 5th International Symposium on Advanced Optical Manufacturing and Testing Technologies - Optical Test and Measurement Technology and Equipment Location: Dalian, PEOPLES R CHINA Date: APR 26-29, 2010, Article Number: 76561U Published: 2010	5	1.6	1

439	Danescu, R., Pantilie, 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	A Combined Voxel and Particle Filter-Based Approach for Fast Obstacle Detection and Tracking in Automotive Applications By: Morales, Nestor; Toledo, Jonay; Acosta, Leopoldo; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 18 Issue: 7 Pages: 1824-1834 Published: JUL 2017	4	4	2
440		Evidential Grid-Based Tracking and Mapping By: Tanzmeister, Georg; Wollherr, Dirk IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 18 Issue: 6 Pages: 1454-1467 Published: JUN 2017	4	4	2
441		Fast Object Motion Estimation Based on Dynamic Stixels By: Morales, Nestor; Morell, Antonio; Toledo, Jonay; et al. SENSORS Volume: 16 Issue: 8 Article Number: 1182 Published: AUG 2016	4	4	2
442		Scene Flow Propagation for Semantic Mapping and Object Discovery in Dynamic Street Scenes By: Kochanov, Deyvid; Osep, Aljosa; Stueckler, Joerg; et al. 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	4	2	1
443		Robust and Low Complexity Obstacle Detection and Tracking By: Wu, Meiqing; Zhou, Chengju; Srikanthan, Thambipillai 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	4	2	1
444		Bosch's approach toward automated driving By: Becker, Jan; Kammel, Soeren; Pink, Oliver; et al. AT-AUTOMATISIERUNGSTECHNIK Volume: 63 Issue: 3 Special Issue: SI Pages: 180-190 Published: MAR 2015	4	2	1
445		Monocular Vision-Based Drivable Region Labeling Using Adaptive Region Growing By: Hsu, Chih-Ming; Chao, Fei-Hong; Lian, Feng-Li; et al. Book Group Author(s): IEEE Conference: SICE Annual Conference (SICE) Location: Hokkaido Univ, Sapporo, JAPAN Date: SEP 09-12, 2014	4	2	1
446	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	A Unified Framework for Uncertainty, Compatibility Analysis, and Data Fusion for Multi-Stereo 3-D Shape Estimation By: De Cecco, Mariolino; Pertile, Marco; Baglivo, Luca; et al. IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT Volume: 59 Issue: 11 Pages: 2834-2842 Published: NOV 2010	6	2.666666667	2
447		MULTI-STEREO COMPATIBILITY ANALYSIS FOR 3D SHAPE ESTIMATION By: De Cecco, M.; Pertile, M.; Baglivo, L.; et al. Book Group Author(s): IMEKO Conference: 19th IMEKO World Congress Location: Lisbon, PORTUGAL Date: SEP 06-12, 2009 XIX IMEKO WORLD CONGRESS: FUNDAMENTAL AND APPLIED METROLOGY, PROCEEDINGS Pages: 1909-1914	6	1.333333333	1
448		Uncertainty analysis for multi-stereo 3d shape estimation By: De Cecco, M.; Baglivo, L.; Parzianello, G.; et al. Book Group Author(s): IEEE Conference: IEEE International Workshop on Advanced Methods for Uncertainty Estimation in Measurement Location: Bucharest, ROMANIA Date: JUL 06-07, 2009, Pages: 22-27	6	1.333333333	1

Nr.	Articol citat	Articol care citeaza		
449	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	Fusion Between Laser and Stereo Vision Data For Moving Objects Tracking In Intersection Like Scenario By: Baig, 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	5	1.6
450	Sergiu Nedevschi, Tiberiu Marita, Radu Danescu, Florin Oniga, Silviu Bota, Istvan Haller, Cosmin Pantilie, Marius Drulea, Catalin Golban, On-Board 6D Visual Sensor for Intersection Driving Assistance, in "Advanced Microsystems for Automotive Applications: Smart Systems for Green Cars and Safe Mobility", book edited by G. Meyer, J. Valldorf, ISBN 978-3-642-12647-5, 2010	A generic architecture for dynamic outdoor environment By: Aycard, Olivier; Trung-Dung Vu; Baig, Qadeer; et al. Book Group Author(s): IEEE Conference: 23rd IEEE International Conference on Tools with Artificial Intelligence (ICTAI) Location: Boca Raton, FL Date: NOV 07-09, 2011, Pages: 585-590	9	0.888888889
451	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.	State-of-the-Art Versus Time-Triggered Object Tracking in Advanced Driver Assistance Systems By: Koplin, Moritz; Elmenreich, Wilfried INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS Volume: 10 Article Number: 196 Published: APR 15 2013	4	2

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Total punctaj A3.1.1. **1198.36**

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.			
2		Real-Time Obstacle Detection Approach using Stereoscopic Images, N Baha, IJIEEB Vol.6, No.1, February 2014, pp. 42-48	2	2
3		An Analytical Review of Stereovision Techniques to Reconstruct 3D Coordinates, R Ahmed, MNA Khan - IJITCS Vol. 5, No. 7, June 2013, pp. 80-86	2	2
4		Alphabet Recognition for Deaf-Blind People, YS Rathore, C Mittal, A Basu, IOSR Journal of Computer Engineering (IOSR-JCE), e-ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 16, Issue 5, Ver. VI (Sep – Oct. 2014), PP 15-20	2	2
5		A. Orellana, D. F. Llorca, C. Soria, A. G. Lorente. Stereo-based path and obstacles detection in multiannual cultivations for autonomous navigation of an agricultural robot. IEEE IVS 2012. Alcalá de Henares, Spain	2	2
6		Obstacle Detection of 3D Imaging Depth Images by Supervised Laplacian Eigenmap Dimension Reduction, Z ZHANG, S WANG, Journal of Computational Information Systems 10: 17 (2014) 7619–7628, Available at http://www.Jofcis.com	2	2
7		3D Path Planning Based on Elevation Model and Ant Colony Algorithm, Q Xiao, Y Wang, S Gao, J Wang, Intelligent Human-Machine Systems and Cybernetics (IHMSC), 2013 5th International Conference on, pp. 74 - 77	2	2

8		J. Kang and M. Chung, "Stereo-Vision Based Free Space and Obstacle Detection with Structural and Traversability Analysis Using Probabilistic Volume Polar Grid Map," in Proc. of the IEEE International Conference on Robotics, Automation and Mechatronics, Qingdau, China, sep 2011, pp. 245–251.	2	2
9		F. Yan, Y. Zhuang, M. Bai, W. Wang, "3D Outdoor Environment Modeling and Path Planning Based on Topology-elevation Model," Acta Automatica Sinica, vol. 36(11), pp. 1493-1501, 2010.	2	2
10		J. H. Ha, M. J. Chung, "Reliable data generation using stereo camera for a mobile robot", Proceeding of the 43th the KIEE Summer Annual Conference, pp.1389-1390, Jeongseon, Korea, July, 19, 2012	2	2
11	Nedevschi S., Schmidt R., Graf T., Danescu R., Frentiu D., Marita T., Oniga F., Pocol C. "3D lane detection system based on stereovision", (2004) IEEE Conference on Intelligent Transportation Systems, Proceedings, pp. 161-166.	Loose, Heidi, and Uwe Franke. "B-spline-based road model for 3d lane recognition." In Intelligent Transportation Systems (ITSC), 2010 13th International IEEE Conference on, pp. 91-98. IEEE, 2010.	8	0.5
12		Coskun, Fuat, Ozgur Tunçer, M. Elif Karsligil, and Levent Guvenc. "Real time lane detection and tracking system evaluated in a hardware-in-the-loop simulator." In Intelligent Transportation Systems (ITSC), 2010 13th International IEEE Conference on, pp. 1336-1343. IEEE, 2010.	8	0.5
13		Bódis-Szomorú, András, Tamás Dabóczi, and Zoltán Fazekas. "A far-range off-line camera calibration method for stereo lane detection systems." In Instrumentation and Measurement Technology Conference Proceedings, 2007. IMTC 2007. IEEE, pp. 1-6. IEEE, 2007.	8	0.5
14		Cheng, Shinko Yuanhsien, and Mohan Manubhai Trivedi. "Lane tracking with omnidirectional cameras: algorithms and evaluation." EURASIP Journal on Embedded Systems 2007, no. 1 (2007): 5-5.	8	0.5
15		Wimmer, Andreas, Tobias Jungel, M. Glück, and Klaus Dietmayer. "Automatic generation of a highly accurate map for driver assistance systems in road construction sites." In Intelligent Vehicles Symposium (IV), 2010 IEEE, pp. 281-286. IEEE, 2010.	8	0.5
16		Cheng, Hong. "Road Detection and Tracking." In Autonomous Intelligent Vehicles, pp. 33-59. Springer London, 2011.	8	0.5
17		Wang, Chenhao, Zhencheng Hu, and Roland Chapuis. "Predictive lane detection by interaction with digital road map." Journal of Information Processing 20, no. 1 (2012): 287-296.	8	0.5
18		Cheok, Geraldine, Marek Franaszek, Itai Katz, Alan Lytle, Kamel Saidi, and Nicholas Scott. "Assessing technology gaps for the federal highway administration digital highway measurement program." Construction Metrology and Automation Group, Building and Fire Research Laboratory, National Institute of Standards and Technology (NIST) (2010).	8	0.5
19		Saitoh, Teppei, and Yoji Kuroda. "Self-Supervised Mapping for Road Shape Estimation Using Laser Remission in Urban Environments." Journal of Robotics and Mechatronics 22, no. 6 (2010): 726.	8	0.5
20		Dong, Yue, Jintao Xiong, Liangchao Li, and Jianyu Yang. "Robust lane detection and tracking for lane departure warning." In Computational Problem-Solving (ICCP), 2012 International Conference on, pp. 461-464. IEEE, 2012.	8	0.5
21		Li, Li, and Fei-Yue Wang. "Intelligent vehicle vision systems." Advanced Motion Control and Sensing for Intelligent Vehicles (2007): 323-399.	8	0.5
22		Mohandas, Vimal, and Roy Paily. "Stereo disparity estimation algorithm for blind assisting system." CSI Transactions on ICT 1, no. 1 (2013): 3-8.	8	0.5
23		Cheng, Shinko Y., and Mohan M. Trivedi. "Toward a comparative study of lane tracking using omni-directional and rectilinear images for driver assistance systems." In ICRA 2007 Workshop: Planning, Perception and Navigation for Intelligent Vehicles. 2007.	8	0.5
24		Legrand, Capucine, Vincent Fremont, and Frédéric Large. "Localization of objects in automotive scenes with spatial and temporal information." In Intelligent Transportation Systems, 2008. ITSC 2008. 11th International IEEE Conference on, pp. 791-796. IEEE, 2008.	8	0.5
25		Li, Shigang, Hideki Oshima, Isao Nakanishi, and Kikuro Fujimura. "Lane departure estimation by side fisheye camera." In Mechatronics and Automation (ICMA), 2011 International Conference on, pp. 1004-1009. IEEE, 2011.	8	0.5
26		Wang, Gang, Yimin Zhou, Guoqing Xu, Xian Liu, and Yunhui Liu. "A novel lane changing algorithm with efficient method of lane detection." In Robotics and Biomimetics (ROBIO), 2013 IEEE International Conference on, pp. 2458-2463. IEEE, 2013.	8	0.5
27		Boggavarapu, L. N. P., R. S. Vaddi, K. R. Anne, H. D. Vankayalapati, and J. K. Munagala. "A robust multi color lane marking detection approach for Indian scenario." International Journal of Advanced Computer Science and Applications (IJACSA) 2, no. 5 (2011).	8	0.5

28		Gao, Feng, Dawei Jiang, Guoyan Xu, Ying Cui, and Xiaowei Wang. "A 3D Curve Lane Detection and Tracking System Based on Stereovision." In CICTP 2012@sMultimodal Transportation Systems—Convenient, Safe, Cost-Effective, Efficient, pp. 1247-1258. ASCE, 2012.	8	0.5
29		Jian, Wang, Zhang Wei, Li Qian, and Zhang Yuan. "Rapid Lane Recognition Based on the Road Region." In Multimedia Technology (ICMT), 2010 International Conference on, pp. 1-4. IEEE, 2010.	8	0.5
30		Ahmed, Raheel, and Muhammad Naeem Ahmed Khan. "An Analytical Review of Stereovision Techniques to Reconstruct 3D Coordinates." International Journal of Information Technology and Computer Science (IJITCS) 5, no. 7 (2013): 80.	8	0.5
31		Khalifa, Othman O., Imran M. Khan, and Abdulhakam AM Assidiq. "A Hyperbola-Pair Based Road Detection System for Autonomous Vehicles." In Intelligent Automation and Systems Engineering, pp. 367-377. Springer New York, 2011.	8	0.5
32		Wang, Yifei, Naim Dahnoun, and Alin Achim. "Computational Intelligence in Automotive Applications." In Advances in Intelligent Signal Processing and Data Mining, pp. 139-174. Springer Berlin Heidelberg, 2013.	8	0.5
33		Wimmer, Andreas, and Klaus CJ Dietmayer. "Driver Assistance System driver assistance system s, Automatic Detection and Site Mapping" In Transportation Technologies for Sustainability, pp. 353-367. Springer New York, 2013.	8	0.5
34		Ma, Chao, Ling Mao, YueFei Zhang, and Mei Xie. "Lane detection using Heuristic Search Methods based on color clustering." In Communications, Circuits and Systems (ICCCAS), 2010 International Conference on, pp. 368-372. IEEE, 2010.	8	0.5
35	F. Oniga, S. Nedevschi, M-M. Meinecke, "Curb Detection 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.	3d road boundary detection using conformal geometric algebra, H. Ishida, J.-I. Meguro, Y. Kojima, and T. Naito, IPSJ Transactions on Computer Vision and Applications, vol. 5, pp. 176–182, 2013.	3	1.333333333
36		Cheok, Geraldine, et al. "Assessing technology gaps for the federal highway administration digital highway measurement program." Construction Metrology and Automation Group, Building and Fire Research Laboratory, National Institute of Standards and Technology (NIST) (2010).	3	1.333333333
37	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.	Ishida, Hiroyuki, et al. "3D road boundary detection using conformal geometric algebra." IPSJ Transactions on Computer Vision and Applications 5.0 (2013): 176-182.	2	2
38	Nedevschi S., Oniga F., Danescu R., Graf T., Schmidt R. Increased accuracy stereo approach for 3D lane detection (2006) IEEE Intelligent Vehicles Symposium, Proceedings, , art. no. 1689603 , pp. 42-49.	Loose, Heidi, and Uwe Franke. "B-spline-based road model for 3d lane recognition." In Intelligent Transportation Systems (ITSC), 2010 13th International IEEE Conference on, pp. 91-98. IEEE, 2010.	5	0.8
39		Meis, Urban, Wladimir Klein, and Christoph Wiedemann. "A new method for robust far-distance road course estimation in advanced driver assistance systems." In Intelligent Transportation Systems (ITSC), 2010 13th International IEEE Conference on, pp. 1357-1362. IEEE, 2010.	5	0.8
40		Bódis-Szomorú, András, Tamás Dabóczi, and Zoltán Fazekas. Calibration and sensitivity analysis of a stereo vision-based driver assistance system. INTECH Open Access Publisher, 2008.	5	0.8
41		Dornaika, Fadi, and Angel D. Sappa. Real Time Stereo Image Registration for Planar Structure and 3D Sensor Pose Estimation. INTECH Open Access Publisher, 2008.	5	0.8

42		Bódis-Szomorú, András, Tamás Dabóczi, and Zoltán Fazekas. "A lane detection algorithm based on wide-baseline stereo vision for advanced driver assistance." In Proceedings of the 7th Conference of the Hungarian Association for Image Processing and Pattern Recognition, Budapest, Hungary, Paper-id, pp. 142-2. 2009.	5	0.8
43		Bertozzi, Massimo, Alberto Broggi, Elena Cardarelli, Stefano Cattani, and Maria Chiara Laghi. "Equipment and capabilities of the vehicles for the VisLab intercontinental autonomous challenge." Proc. GIRPR (2012).	5	0.8
44		Mazzei, Luca, and Paolo Zani. "Perception Tasks: Lane Detection." In Handbook of Intelligent Vehicles, pp. 1021-1031. Springer London, 2012.	5	0.8
45		Broggi, Alberto, Stefano Cattani, Paolo Medici, and Paolo Zani. "Applications of Computer Vision to Vehicles: an extreme test." In Machine Learning for Computer Vision, pp. 215-250. Springer Berlin Heidelberg, 2013.	5	0.8
46		Ahmed, Raheel, and Muhammad Naeem Ahmed Khan. "An Analytical Review of Stereovision Techniques to Reconstruct 3D Coordinates." International Journal of Information Technology and Computer Science (IJITCS) 5, no. 7 (2013): 80.	5	0.8
47	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.	Einecke, Nils, and Julian Eggert. "A two-stage correlation method for stereoscopic depth estimation." In Digital Image Computing: Techniques and Applications (DICTA), 2010 International Conference on, pp. 227-234. IEEE, 2010.	4	1
48		Sappa, Angel D., Fadi Dornaika, David Gerónimo, and Antonio López. "Registration-based moving object detection from a moving camera." In Proc. on Workshop on Perception, Planning and Navigation for Intelligent Vehicles, Nice, France (September 2008). 2008.	4	1
49		Jia, Yuanyuan, Zhongshi He, and Huazheng Zhu. "A Hierarchical Segmentation Approach towards Roads and Slopes for Collapse Recognition." International Journal of Signal Processing, Image Processing & Pattern Recognition 6, no. 5 (2013).	4	1
50		Toshiki MATSUI, Naoki SUGANUMA, "Road Region Extraction with Longitudinal Slope", TRANSACTIONS OF THE JAPAN SOCIETY OF MECHANICAL ENGINEERS Series C Vol. 77 (2011) No. 782 P 3737-3749	4	1
51	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	Jia, Yuanyuan, Zhongshi He, and Huazheng Zhu. "A Hierarchical Segmentation Approach towards Roads and Slopes for Collapse Recognition." International Journal of Signal Processing, Image Processing & Pattern Recognition 6, no. 5 (2013).	3	1.333333333
52		Luo, Xiang, Xiang Thomas Ren, Yan Li, and Jianguo Jack Wang. "Mobile surveying system for road assets monitoring and management." In Industrial Electronics and Applications (ICIEA), 2012 7th IEEE Conference on, pp. 1688-1693. IEEE, 2012.	3	1.333333333
53	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.	Liu, Zhao, Daxue Liu, Tongtong Chen, and Chongyang Wei. "Curb Detection Using 2D Range Data in a Campus Environment." In Image and Graphics (ICIG), 2013 Seventh International Conference on, pp. 291-296. IEEE, 2013.	2	2

54	Florin Oniga, Sergiu Nedevschi, Marc-Michael Meinecke, "Temporal Integration of Occupancy Grids Detected from Dense Stereo Using an Elevation Map Representation", 6th International Workshop on Intelligent Transportation (WIT 2009), Hamburg, Germany, 2009, pp. 133-138	Cappalunga, Andrea, Stefano Cattani, Alberto Broggi, Michael S. McDaniel, and Susmita Dutta. "Real time 3D terrain elevation mapping using ants Optimization Algorithm and stereo vision." In Intelligent Vehicles Symposium (IV), 2010 IEEE, pp. 902-909. IEEE, 2010.	3	1.333333333
55		Ahmed, Raheel, and Muhammad Naeem Ahmed Khan. "An Analytical Review of Stereovision Techniques to Reconstruct 3D Coordinates." International Journal of Information Technology and Computer Science (IJITCS) 5, no. 7 (2013): 80.	3	1.333333333
56	R. Danescu, F. Oniga, S. Nedevschi, "Modeling 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.	Tanzmeister, Georg, Julian Thomas, Dirk Wollherr, and Martin Buss. "Grid-based mapping and tracking in dynamic environments using a uniform evidential environment representation." In Robotics and Automation (ICRA), 2014 IEEE International Conference on, pp. 6090-6095. IEEE, 2014.	3	1.333333333
57		Rummelhard, Lukas, Amaury Nègre, Mathias Perrollaz, and Christian Laugier. "Probabilistic Grid-based Collision Risk Prediction for Driving Application." In ISER. 2014.	3	1.333333333
58		Andreica, Mugurel Ionut, Andrei Grigorean, Andrei Pârvu, and Nicolae Tapus. "Efficient Evaluation of Hyper-Rectangular Blocks of Update Operations Applied to General Data Structures." ACAM: Automation, Computers, Applied Mathematics (ISSN: 1221-437X) TBD (2014): TBD.	3	1.333333333
59		Baig, Qadeer, Mathias Perrollaz, and Christian Laugier. "Advances in the Bayesian Occupancy Filter framework using robust motion detection technique for dynamic environment monitoring." IEEE Robotics and Automation Magazine (2014).	3	1.333333333
60	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.	Mendes, Caio César Teodoro, Denis Fernando Wolf, and Fernando Osorio. "Stereo-Based Autonomous Navigation and Obstacle Avoidance⋆." In Intelligent Autonomous Vehicles, vol. 8, no. 1, pp. 211-216. 2013.	4	1
61		Okuwaki, Maiki, Hiroshi Ikeoka, and Takayuki Hamamoto. "Wide range depth estimation from two blurred images with tilted lens optics." In Intelligent Signal Processing and Communication Systems (ISPACS), 2014 International Symposium on, pp. 341-346. IEEE, 2014.	4	1
62		Li Zhou, Li Zhou, Tao Sun Tao Sun, Yuanzhi Zhan Yuanzhi Zhan, and Jia Wang Jia Wang. "Software and Hardware Implementations of Stereo Matching." International Journal of Signal Processing, Image Processing and Pattern Recognition 7, no. 4 (2014): 37-56.	4	1
63		Sharma, Mamta, and Ajay Mittal. "Stereo Matching Algorithm Based on Region Construction using Colour Segmentation." Digital Image Processing 4, no. 14 (2012): 753-760.	4	1
64	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.	Bombini, Luca, Pietro Cerri, Paolo Grisleri, Simone Scaffardi, and Paolo Zani. "An evaluation of monocular image stabilization algorithms for automotive applications." In Intelligent Transportation Systems Conference, 2006. ITSC'06. IEEE, pp. 1562-1567. IEEE, 2006.	8	0.5
65		Chen, Yen-Lin, and Chuan-Yen Chiang. "Embedded vision-based nighttime driver assistance system." In Computer Communication Control and Automation (3CA), 2010 International Symposium on, vol. 2, pp. 199-203. IEEE, 2010.	8	0.5
66		Chen, Yen-Lin. "Nighttime vehicle light detection on a moving vehicle using image segmentation and analysis techniques." WSEAS Trans. Comput 8, no. 3 (2009): 506-515.	8	0.5
67		Bai, Ming, Yan Zhuang, and Wei Wang. "Stereovision based obstacle detection approach for mobile robot navigation." In Intelligent Control and Information Processing (ICICIP), 2010 International Conference on, pp. 328-333. IEEE, 2010.	8	0.5
68		Lefebvre, Sébastien, Sébastien Ambellouis, and François Cabestaing. "Obstacles detection on a road by dense stereovision with 1D correlation windows and fuzzy filtering." In Intelligent Transportation Systems Conference, 2006. ITSC'06. IEEE, pp. 739-744. IEEE, 2006.	8	0.5

69		Kumar, Saurav, Daya Gupta, and Sakshi Yadav. "Sensor fusion of laser and stereo vision camera for depth estimation and obstacle avoidance." International Journal of Computer Applications 1, no. 25 (2010): 20-25.	8	0.5
70		Benenson, Rodrigo, Markus Mathias, Radu Timofte, and Luc Van Gool. "Fast stixel computation for fast pedestrian detection." In Computer Vision–ECCV 2012. Workshops and Demonstrations, pp. 11-20. Springer Berlin Heidelberg, 2012.	8	0.5
71		Perrollaz, Mathias, Raphaël Labayrade, Romain Gallen, and Didier Aubert. "A three resolution framework for reliable road obstacle detection using stereovision." In Machine Vision and Applications. 2007.	8	0.5
72		Kormann, Benjamin, Antje Neve, Gudrun Klinker, and Walter Stechele. "Stereo Vision based Vehicle Detection." In VISAPP (2), pp. 431-438. 2010.	8	0.5
73		Wu, Bing-Fei, and Chuan-Tsai Lin. "Real-Time Fuzzy Vehicle Detection Based on Contour Size Similarity." International Journal of Fuzzy Systems 7, no. 2 (2005).	8	0.5
74		Periverzov, Frol, and Horea T. Ilieş. "3D Imaging for hand gesture recognition: Exploring the software-hardware interaction of current technologies." 3D Research 3, no. 3 (2012): 1-15.	8	0.5
75		Lagisetty, R., N. K. Philip, R. Padhi, and M. S. Bhat. "Object detection and obstacle avoidance for mobile robot using stereo camera." In Control Applications (CCA), 2013 IEEE International Conference on, pp. 605-610. IEEE, 2013.	8	0.5
76		Teoh, CheeWay, ChingSeong Tan, and Yong Chai Tan. "Ground plane detection for autonomous vehicle in rainforest terrain." In Sustainable Utilization and Development in Engineering and Technology (STUDENT), 2010 IEEE Conference on, pp. 7-12. IEEE, 2010.	8	0.5
77		Revelo-Luna, David Armando, Francisco Daniel Usama, and Juan Fernando Flórez-Marulanda. "3D Reconstruction of Scenes by Means of a Stereoscopic Vision System, Based on Feature Extraction and Developed in OpenCV." Ingeniería y Universidad 16, no. 2 (2012): 485-500.	8	0.5
78		Chen, Yuan-Lin, and Wei-Jen Lee. "Safety Distance Warning System with a Novel Algorithm for Vehicle Safety Braking Distance Calculating." International Journal of Vehicle Safety 5, no. 3 (2011).	8	0.5
79		Hedenberg, Klas, and Björn Åstrand. "Safety Standard for Mobile Robots-A Proposal for 3D Sensors." In ECMR, pp. 245-252. 2011.	8	0.5
80		Wu, B-F., C-T. Lin, and C-J. Chen. "REAL-TIME LANE AND VEHICLE DETECTION BASED ON A SINGLE CAMERA MODEL." International Journal of Computers & Applications 32, no. 2 (2010).	8	0.5
81		Broggi, Alberto, Stefano Cattani, Paolo Medici, and Paolo Zani. "Applications of Computer Vision to Vehicles: an extreme test." In Machine Learning for Computer Vision, pp. 215-250. Springer Berlin Heidelberg, 2013.	8	0.5
82		Baha, Nadia. "Real-Time Obstacle Detection Approach using Stereoscopic Images." International Journal of Information Engineering and Electronic Business (IJIEEB) 6, no. 1 (2014): 42.	8	0.5
83		Ahmed, Raheel, and Muhammad Naeem Ahmed Khan. "An Analytical Review of Stereovision Techniques to Reconstruct 3D Coordinates." International Journal of Information Technology and Computer Science (IJITCS) 5, no. 7 (2013): 80.	8	0.5
84		Mustafah, Yasir Mohd, A. W. Azman, and M. H. Ani. "Object Distance and Size Measurement Using Stereo Vision System." In Advanced Materials Research, vol. 622, pp. 1373-1377. 2013.	8	0.5
85		Luna, David Armando Revelo, Francisco Daniel Usama, and Juan Fernando Flórez Marulanda. "Reconstrucción 3D de escenas mediante un sistema de visión estéreo basado en extacción de características y desarrollo en OpenCV." Ingeniería y universidad 16, no. 2 (2012): 485-500.	8	0.5
86		Ki Yong Lee and Joon-Woong Lee, "Extraction of Corresponding Points of Stereo Images Based on Dynamic Programming." Journal of Institute of Control, Robotics and Systems (2011) 17(5):397-404 DOI:10.5302/J.ICROS.2011.17.5.397 ISSN:1976-5622 eISSN:2233-4335	8	0.5

87	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.	Badino, Hernán, Rudolf Mester, Tobi Vaudrey, and Uwe Franke. "Stereo-based free space computation in complex traffic scenarios." In Image Analysis and Interpretation, 2008. SSIAI 2008. IEEE Southwest Symposium on, pp. 189-192. IEEE, 2008.	12	0.333333333
88		Bai, Ming, Yan Zhuang, and Wei Wang. "Stereovision based obstacle detection approach for mobile robot navigation." In Intelligent Control and Information Processing (ICICIP), 2010 International Conference on, pp. 328-333. IEEE, 2010.	12	0.333333333
89		Rosebrock, Dennis, Markus Rilk, Jens Spehr, and Friedrich M. Wahl. "Using the shadow as a single feature for real-time monocular vehicle pose determination." In Advances in Visual Computing, pp. 563-572. Springer Berlin Heidelberg, 2011.	12	0.333333333
90		Vestri, C., D. Tsishkou, F. Abad, S. Wybo, S. Bougnoux, and R. Bendahan. "Vision-based safe maneuvres with detection of 10-cm height obstacles." In Proceedings of the 17th ITS World Congress. 2010.	12	0.333333333
91		Vestri, Christophe, D. Tsishkou, S. Wybo, F. Abad, S. Bougnoux, and R. Bendahan. "Vision-Based Safe Backing-up Maneuvers with Obstacle-Free Space Detection." In FISITA World Automotive Congress, Budapest. 2010.	12	0.333333333
92		Ahmed, Raheel, and Muhammad Naeem Ahmed Khan. "An Analytical Review of Stereovision Techniques to Reconstruct 3D Coordinates." International Journal of Information Technology and Computer Science (IJITCS) 5, no. 7 (2013): 80.	12	0.333333333
93		Sung, Donghyun, and Woon-Sung Lee. "A Vison System to Improve the Safe Driving Management System." In 한국자동차공학회 Symposium, pp. 220-230. 2008.	12	0.333333333
94		Barrois, Björn, and Christian Wöhler. "3D Pose Estimation of Vehicles Using Stereo Camera." In Encyclopedia of Sustainability Science and Technology, pp. 10589-10612. Springer New York, 2012.	12	0.333333333
95		Bai, Ming, Wei Wang, and Yan Zhuang. "Stereovision-based robot motion planning with negotiation-selection mechanism in complex environments." International Journal of Vehicle Autonomous Systems 11, no. 4 (2013): 334-367.	12	0.333333333
96		Gu, Hui-Zhen, and Suh-Yin Lee. "Estimating initial pose by utilizing symmetric property for real-time intelligent transportation system." In Visual Communications and Image Processing (VCIP), 2011 IEEE, pp. 1-4. IEEE, 2011.	12	0.333333333
97	Nedevschi, S.; Danescu, R.; Frentiu, D.; Marita, T.; Oniga, F.; Pocol, C.; Schmidt, R.; Graf, T. , "High accuracy stereovision approach for obstacle detection on non-planar roads," in IEEE Inteligent Engineering Systems (INES), Cluj Napoca, Romania, 2004, pp. 211-216.	Broggi, Alberto, Claudio Caraffi, Pier Paolo Porta, and Paolo Zani. "The single frame stereo vision system for reliable obstacle detection used during the 2005 DARPA grand challenge on TerraMax." In Intelligent Transportation Systems Conference, 2006. ITSC'06. IEEE, pp. 745-752. IEEE, 2006.	8	0.5
98		Laugier, Christian, Igor E. Paromtchik, Mathias Perrollaz, M. Y. Yong, J-D. Yoder, Christopher Tay, Kamel Mekhnacha, and Amaury Nègre. "Probabilistic analysis of dynamic scenes and collision risks assessment to improve driving safety." Intelligent Transportation Systems Magazine, IEEE 3, no. 4 (2011): 4-19.	8	0.5
99		Schmiedel, Gary, Christopher K. Yakes, and Alberto Broggi. "Vision system for an autonomous vehicle." U.S. Patent 8,139,109, issued March 20, 2012.	8	0.5

100		Bai, Ming, Yan Zhuang, and Wei Wang. "Stereovision based obstacle detection approach for mobile robot navigation." In Intelligent Control and Information Processing (ICICIP), 2010 International Conference on, pp. 328-333. IEEE, 2010.	8	0.5
101		Ivanchenko, Volodymyr, Huiying Shen, and J. Coughlan. "Elevation-based MRF stereo implemented in real-time on a GPU." In Applications of Computer Vision (WACV), 2009 Workshop on, pp. 1-8. IEEE, 2009.	8	0.5
102		Sappa, Angel D., Rosa Herrero, Fadi Dornaika, David Gerónimo, and Antonio López. "Road approximation in euclidean and v-disparity space: a comparative study." In Computer Aided Systems Theory–EUROCAST 2007, pp. 1105-1112. Springer Berlin Heidelberg, 2007.	8	0.5
103		Sotelo, M. A., D. Fernández, I. Parra, and E. Naranjo. "Improved Vision-based Pedestrian Detection System for Collision Avoidance and Mitigation." In Proc. IEEE ICRA 2007 Workshop: Planning, Perception and Navigation for Intelligent Vehicles. 2007.	8	0.5
104		Kang, Xiaoguang, and Shengjin Wang. "Structure maps based pedestrian detection." In Audio, Language and Image Processing (ICALIP), 2014 International Conference on, pp. 962-967. IEEE, 2014.	8	0.5
105		Labayrade, Raphaël, Mathias Perrollaz, Gruyer Dominique, and Didier Aubert. Sensor Data Fusion for Road Obstacle Detection: A Validation Framework. in-tech/Sciyo, 2010.	8	0.5
106		Long, Qian, Qiwei Xie, Seiichi Mita, Kazuhisa Ishimaru, and Noriaki Shirai. "A real-time dense stereo matching method for critical environment sensing in autonomous driving." In Intelligent Transportation Systems (ITSC), 2014 IEEE 17th International Conference on, pp. 853-860. IEEE, 2014.	8	0.5
107		Mittal, Ajay, Abdelaziz Bensrhair, and Edwin R. Hancock. "Obstacle detection by means of stereo feature matching." In Image Processing (ICIP), 2014 IEEE International Conference on, pp. 1618-1622. IEEE, 2014.	8	0.5
108		Yuan-yan, Hu, and Wang Ying-xun. "Stereo vision-based fast obstacles avoidance without obstacles discrimination for indoor UAVs." In Artificial Intelligence, Management Science and Electronic Commerce (AIMSEC), 2011 2nd International Conference on, pp. 4332-4337. IEEE, 2011.	8	0.5
109	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.	Bódis-Szomorú, András, Tamás Dabóczi, and Zoltán Fazekas. Calibration and sensitivity analysis of a stereo vision-based driver assistance system. INTECH Open Access Publisher, 2008.	5	0.8
110		Luo, Linbo, Jun Chen, Sangwoo An, Changshuai Wang, Jongjoo Park, and Jongwha Chong. "Look-up Table-Based Hardware Implementation of Bird's-Eye View System for Camera Mounted on Vehicle." International Journal of Digital Content Technology & its Applications 6, no. 15 (2012).	5	0.8
111		Tilneac, Mihaela, and Valer Dolga. "Extrinsic calibration of a multi-camera network used for individual plant phenotyping." In Intelligent Computer Communication and Processing (ICCP), 2011 IEEE International Conference on, pp. 353-359. IEEE, 2011.	5	0.8
112		D Martín, B Musleh, J.M. Armingol, A. de la Escalera. Extrinsic Parameter Self-Calibration and Nonlinear Filtering for In-Vehicle Stereo Vision Systems at Urban Environments. 9th International Joint Conference on Computer Vision, Imaging and Applications. Lisboa, Portugal, 5-8 Enero 2014	5	0.8

113	S. Nedevschi, R. Danescu, T. Marita, F. Oniga, C. Pocol, S. Sobol, 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.	Bódis-Szomorú, András, Tamás Dabóczi, and Zoltán Fazekas. Calibration and sensitivity analysis of a stereo vision-based driver assistance system. INTECH Open Access Publisher, 2008.	8	0.5
114		Morat, Julien. "Vision stéréoscopique par ordinateur pour la détection et le suivi de cibles pour une application automobile." PhD diss., Institut National Polytechnique de Grenoble-INPG, 2008.	8	0.5
115		Akhlaq, Muhammad. "A Smart-Dashboard.", Master Thesis Computer Science Thesis no: 2010:MUC:01	8	0.5
116	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.	Hernandez, Danilo Caceres, Alexander Filonenko, Dongwook Seo, and Kang-Hyun Jo. "Laser scanner based heading angle and distance estimation." In Industrial Technology (ICIT), 2015 IEEE International Conference on, pp. 1718-1722. IEEE, 2015.	3	1.333333333
117	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.	Leu, A., D. Aiteanu, and A. Graser. "A novel stereo camera based collision warning system for automotive applications." In Applied Computational Intelligence and Informatics (SACI), 2011 6th IEEE International Symposium on, pp. 409-414. IEEE, 2011.	4	1
118		Leu, Adrian, Dorin Aiteanu, and Axel Gräser. "High speed stereo vision based automotive collision warning system." In Applied Computational Intelligence in Engineering and Information Technology, pp. 187-199. Springer Berlin Heidelberg, 2012.	4	1
119		Santosh, D. Hari Hara, P. Venkatesh, L. N. Rao, and N. A. Kumar. "Tracking Multiple Moving Objects Using Gauusian Mixture Model." International Journal of Soft Computing and Engineering (IJSCE) 3, no. 2 (2013).	4	1
120		Thammakaroon, Peachanika, and Poj Tangamchit. "Improvement of Forward Collision Warning in Real Driving Environment Using Machine Vision." International Journal of Intelligent Transportation Systems Research 8, no. 3 (2010): 131-139.	4	1
121		Singh, Sudha, S. C. Dutta, D. K. Singh, and S. K. Singh. "ENHANCING HIGHWAY TRAFFIC SAFETY THROUGH INTELLIGENT CAR." International Journal of Distributed and Parallel Systems 3, no. 5 (2012).	4	1
122	S. Nedevschi, R. Danescu, T. Marita, F. Oniga, C. Pocol, S. Bota, M.-M. Meinecke, M. A. Obojski, Stereovision-Based Sensor for Intersection Assistance, chapter in Advanced Microsystems for Automotive Applications 2009: Smart Systems for Safety, Sustainability and Comfort, editors G. Meyer, J. Valldorf, W. Gessner, published by Springer, pp.129-163, ISBN 978-3-642-00745-3	Azzopardi, Marc Anthony, Ivan Grech, and Jacques Leconte. "A high speed tri-vision system for automotive applications." European Transport Research Review 2, no. 1 (2010): 31-51.	8	0.5