

Fisa de verificare a standardelor minimale pentru gradul de profesor universitar stabilite prin OM 6560 / 2012

Candidat Conf. Dr. Ing. Radu Danescu
Domeniul Calculatoare si Tehnologia Informatiei

Nr. Crt	Domeniul activ.			Subcategorii		Indicatori (kpi)	Numar	Punctaj
0	1	2	3		4	5		
1	Activitatea didactica si profesionala (A1)	Carti si capitole de carti de specialitate in edituri recunoscute	Carti, monografii, capitole ca autor	A1.1.1.	Internationale	25	3	75
		Material didactic/lucrari didactice	Manuale didactice	A1.1.2	nationale	20	1	20
				A1.2.1		10	2	20
Total punctaj A(1)								115
2	Activitatea de cercetare (A2)	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings		A2.1		(25+ 20 * factor impact) / nr. de autori	26	340.3
		Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)		A2.2		20 / nr. de autori	11	77.857
		Proprietate intelectuala, brevete de inventie, certificate ORDA		A2.3.1	Internationale	35 / nr. de autori	0	0
				A2.3.2	nationale	25 / nr. de autori	0	0
		Granturi/proiecte castigate prin competitie	Director / responsabil	A2.4.1.1	Internationale	20 * ani de desfasurare	0	0
			Membru in echipa	A2.4.1.2	nationale	10 * ani de desfasurare	2	60
				A2.4.2.1	Internationale	4 * ani de desfasurare	5	64
A2.4.2.2	nationale	2 * ani de desfasurare	5	30				
Total punctaj A(2)								572.157
3	Recunoasterea si impactul activitatii (A3)	Citari in carti, reviste si volume ale unor manifestari stiintifice		A3.1.1	carti, ISI	8 / nr aut art. citat	35	75.46
		Prezentari invitate in plenum unor manifestari stiintifice nationale si internationale si profesor invitat	Punctaj unic pentru fiecare activitate	A3.1.2	BDI	4 / nr aut art. citat	12	24
				A3.2.1	Internationale	10	0	0
		Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, internationale indexate ISI	Punctaj unic pentru fiecare activitate	A3.2.2	nationale	5	0	0
				A3.3.1	ISI	10	0	0
				A3.3.2	BDI	6	1	6
		Premii in domeniu		A3.3.3	nationale si internationale neindexate	3	0	0
A3.4.1	Academia Romana, ASTR, academii de ramura, premii internationale			15	0	0		
A3.4.2	premiu nationale in domeniu	5	4	20				
Total punctaj A(3)								125.46

Conditii minimale Ai			
Nr.	Domeniu de activitate (A)	Necesar Profesor	Realizat
A1	Activitatea didactica / profesionala (A1)	100	115
A2	Activitatea de cercetare (A2)	500	572

A3	Recunoasterea impactului activitatii (A3)	100	125.46
Total (A)		700	812.46

Conditii minimale obligatorii pe subcategorii		Necesar profesor	Realizat
A1.1.1.-A1.1.2	Carti si capitole in carti de specialitate	4	4
A1.2.1-A1.2.2	Material didactic / Lucrari didactice	2	2
A2.1.	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	12	26
A2.4.1	Granturi/proiecte castigate prin competitie (Director/ responsabil)	2	2
A3.1.1-A3.1.2	Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI sau BDI	20	47
	Factor de impact cumulat pentru publicatii	6	23.87

Anexa: datele pentru calculul indeplinirii criteriilor

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

Nr.	Autori	Titlu capitol / carte	Editura	Anul
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
2	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	Springer Berlin Heidelberg	2009
3	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

4	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	Springer Berlin Heidelberg	2010
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A1.2.1. Materiale didactice

1	Sergiu Nedevschi, Tiberiu Marița, Radu Dănescu, Florin Oniga, Raluca Brehar, Ionel Giosan, Cristian Vicaș	Procesarea imaginilor - îndrumator de laborator, ISBN 978-973-662-796-5	U.T. Press Cluj-Napoca	2013
2	Sergiu Nedevschi, Tiberiu Marița, Radu Dănescu, Florin Oniga, Raluca Brehar, Ionel Giosan, Cristian Vicaș	Image Processing, Laboratory Works	online, http://users.utcluj.ro/~rdanescu/teaching_pi.html	2013

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	Radu Danescu, Sergiu Nedevschi	"Probabilistic Lane Tracking in Difficult Road Scenarios Using Stereovision", IEEE Transactions on Intelligent Transportation Systems, vol. 10, No. 2, June 2009, pp. 272-282.	3.064	2	43.14
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.	3.064	3	28.76
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.	1.953	4	16.015
4	O. Cristea, P. Dolea, V. Turcu, R. Danescu	"Long baseline stereoscopic imager for close to Earth objects range measurements", Acta Astronautica, vol. 90, No. 1, September 2013, pp. 41-48.	0.701	4	9.755

5	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.	3.064	5	17.256
6	D. Borza, A.S. Darabant, R. Danescu	"Eyeglasses Lens Contour Extraction from Facial Images Using an Efficient Shape Description", Sensors, vol. 13, No. 10, October 2013, pp. 13638-13658.	1.953	3	21.35333333
7	V. Popescu, S. Nedevschi, R. Danescu, T. Marita	"A Lane Assessment Method Using Visual Information Based on a Dynamic Bayesian Network", Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, accepted 2013, preprint online at publisher. http://www.tandfonline.com/doi/full/10.1080/15472450.2013.856724#.Uo4XBCerwQp	0.806	4	10.28
8	R. Danescu, S. Nedevschi	"A Particle Based Solution for Modeling and Tracking Dynamic Digital Elevation Maps", accepted 2013, DOI 10.1109/TITS.2013.2291447	3.064	2	43.14
9	R. Danescu, A. Ciurte, V. Turcu	"A Low Cost Automatic Detection and Ranging System for Space Surveillance in the Medium Earth Orbit Region and Beyond", Sensors, vol. 14, No. 2, February 2014, pp. 2703-2731.	1.953	3	21.35333333
10	Popescu, Voichita; Danescu, Radu; Nedevschi, Sergiu	" On-Road Position Estimation by Probabilistic Integration of Visual Cues ", IEEE Intelligent Vehicles Symposium (IV) Location: Alcalá de Henares, SPAIN Date: JUN 03-07, 2012	0.25	3	10
11	Vatavu, Andrei; Danescu, Radu; Nedevschi, Sergiu	" Real-Time Dynamic Environment Perception in Driving Scenarios using Difference Fronts", IEEE Intelligent Vehicles Symposium (IV) Location: Alcalá de Henares, SPAIN Date: JUN 03-07, 2012	0.25	3	10
12	Danescu, Radu; Nedevschi, Sergiu	" New Results in Stereovision Based Lane Tracking ", IEEE Intelligent Vehicles Symposium (IV) Location: Baden-Baden, GERMANY Date: JUN 05-09, 2011	0.25	2	15
13	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	7.5
14	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
15	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

16	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	7.5
17	Danescu, Radu; Nedevschi, Sergiu	" Adaptive and Robust Road Tracking System Based on Stereovision and Particle Filtering ", IEEE 4th International Conference on Intelligent Computer Communication and Processing Location: Cluj Napoca, ROMANIA Date: AUG 28-30, 2008	0.25	2	15
18	Danescu, Radu; Nedevschi, Sergiu; Meinecke, Marc-Michael; Than-Binh To.	" A Stereovision-Based Probabilistic Lane Tracker for Difficult Road Scenarios ", IEEE Intelligent Vehicles Symposium Location: Eindhoven, NETHERLANDS Date: JUN 04-06, 2008	0.25	4	7.5
19	Danescu, Radu; Nedevschi, Sergiu; To, Thanh-Binh	" A stereovision-based lane detector for marked and non-marked urban roads ", IEEE 3rd International Conference on Intelligent Computer Communication and Processing Location: Cluj Napoca, ROMANIA Date: SEP 06-08, 2007	0.25	3	10
20	Danescu, R.; Nedevschi, S.; Meinecke, M.M.; Graf, T.	" Stereovision based vehicle tracking in urban traffic environments ", 10th International IEEE Conference on Intelligent Transportation Systems Location: Bellevue, WA Date: SEP 30-OCT 03, 2007	0.25	4	7.5
21	Danescu, R.; Nedevschi, S.; Meinecke, M.M.; To, T.B.	" Lane geometry estimation in urban environments using a stereovision system ", 10th International IEEE Conference on Intelligent Transportation Systems Location: Bellevue, WA Date: SEP 30-OCT 03, 2007	0.25	4	7.5
22	Nedevschi, S.; Danescu, R.; Marita, T.; Oniga, F.; Pocol, C.; Sobol, S.; Tomiuc, C.; Vancea, C.; Meinecke, M.M.; Graf, T.; Thanh Binh To; Obojski, M.A.	" A sensor for urban driving assistance systems based on dense stereovision ", IEEE Intelligent Vehicles Symposium Location: Istanbul, TURKEY Date: JUN 13-15, 2007	0.25	12	2.5
23	Nedevschi, S.; Oniga, F.; Danescu, R.; Graf, T.; Schmidt, R.	" Increased accuracy stereo approach for 3D lane detection ", IEEE Intelligent Vehicles Symposium Location: Meguroku, JAPAN Date: JUN 13-15, 2006	0.25	5	6
24	Nedevschi, S.; Danescu, R.; Marita, T.; Oniga, F.; Pocol, C.; Sobol, S.; Graf, T.; Schmidt, R.	" Driving environment perception using stereovision ", IEEE Intelligent Vehicles Symposium Location: Las Vegas, NV Date: JUN 06-08, 2005	0.25	8	3.75

25	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	3.75
26	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	3.75
Factor impact cumulativ Total punctaj A2.1.			23.872		340.3026667

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	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) , art. no. 6138940 , pp. 6-20	Scopus	4	5
2	Radu Danescu	"Obstacle detection using dynamic particle-based occupancy grids", 2011 International Conference on Digital Image Computing: Techniques and Applications, DICTA 2011 , art. no. 6128724 , pp. 585-590	Scopus	1	20
3	Oniga, F., Miron, M., Danescu, R., Nedevschi, S.	"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	Scopus	4	5
4	Vatavu, A., Danescu, R., Nedevschi, S.	" Environment perception using dynamic polylines and particle based occupancy grids ", 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011 , art. no. 6047875 , pp. 239-244	Scopus	3	6.666666667
5	Marita, T., Negru, M., Danescu, R., Nedevschi, S.	" Stop-line detection and localization method for intersection scenarios ", 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011 , art. no. 6047883 , pp. 293-298	Scopus	4	5
6	Danescu, R., Nedevschi, S.	"Detection and classification of painted road objects for intersection assistance applications", IEEE Conference on Intelligent Transportation Systems, Proceedings, ITSC , art. no. 5625261 , pp. 433-438	Scopus	2	10

7	Oniga, F., Danescu, R., Nedevschi, S.	"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	Scopus	3	6.666666667
8	Nedevschi, S., Popescu, V., Marita, T., Danescu, R., Meinecke, M.-M., Obojski, M.-A., Knaup, J.	"Intersection representation enhancement by sensorial data and digital map alignment", Proceedings - 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing, ICCP10 , art. no. 5606406 , pp. 393-400	Scopus	7	2.857142857
9	Chira, I.M., Chibulcutean, A., Danescu, R.G.	"Real-time detection of road markings for driving assistance applications", Proceedings, ICCES'2010 - 2010 International Conference on Computer Engineering and Systems , art. no. 5674844 , pp. 158-163	Scopus	3	6.666666667
10	Danescu, R., Oniga, F., Nedevschi, S.	"Particle grid tracking system for stereovision based environment perception", IEEE Intelligent Vehicles Symposium, Proceedings , art. no. 5548076 , pp. 987-992	Scopus	3	6.666666667
11	Nedevschi, S., Danescu, R., Frentiu, D., Marita, T., Oniga, F., Pocol, C.	"Spatial grouping of 3D points from multiple stereovision sensors", Conference Proceeding - IEEE International Conference on Networking, Sensing and Control 2004 , pp. 874-879	Scopus	6	3.333333333

Total punctaj A2.2.

77.85714286

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

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	National	„Detectia drumului si a benzii de circulatie in scenariile de trafic urban”, cod CNC SIS 339	2006-2007	2	20
2	National	"Sistem de observare a orbitelor terestre medii si inalte bazat pe stereoviziune (AMHEOS), cod PN-II-PT-PCCA-2011-3.2-0651	2012-2016	4	40

Total punctaj A2.4.1

60

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

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	International	CoMoSef (2012-2015), "Co-operative Mobility Services of the Future", Eureka European project	2012-2015	3	12
2	International	INTERSAFE-2 (2008-2011), "Cooperative Intersection Safety", European FP7 project	2008-2011	3	12
3	International	PAN-ROBOTS (2012-2015), "Plug and Navigate ROBOTS for smart factories", European FP7 project	2012-2015	3	12

4	International	SCABOR - Stereo Camera-Based Object Recognition, proiect finantat de Volkswagen AG, Germania	2001-2004	4	16
5	International	DESBOR - Dense Stereo Camera-Based Object Recognition, proiect finantat de Volkswagen AG, Germania	2005-2007	3	12
6	National	LEOSCOP (2008-2011), "Experimental Low Earth Orbit Surveillance Stereoscope", proiect de tip parteneriat	2008-2011	3	6
7	National	PERSENS (2008-2011), "Sensorial perception, modelling and representation of the world model for driving assistance systems", PNII-Idei	2008-2011	3	6
8	National	SMARTCODRIVE (2012-2015), "Cooperative Advanced Driving Assistance System Based on Smart Mobile Platforms and Road Side Units", Joint Applied Research Project	2012-2015	3	6
9	National	MULTISENS (2012-2015), "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	2012-2015	3	6
10	National	Diagnostic molecular al epidermolizelor buloase. Tehnici moderne de cercetare, diagnosticare, tratament si prevenire a epidermolizelor buloase. Realizarea unui registru national al genodermatozelor	2006-2008	3	6

Total punctaj A2.4.1

94

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	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, ITSC, , pp. 161-166.	Cheng, W.-C., PSO algorithm particle filters for improving the performance of lane detection and tracking systems in difficult roads, 2012, Sensors (Switzerland) 12 (12) , pp. 17168-17185	8	1
2		Ghandour, R., Victorino, A., Charara, A., Lechner, D., Risk indicators anticipation based on the vehicle dynamics anticipation to avoid accidents, IEEE Intelligent Vehicles Symposium, Proceedings , art. no. 6232224 , pp. 93-98	8	1

3	Alam, N., Balaei, A.T., Dempster, A.G., An instantaneous lane-level positioning using dsrc carrier frequency offset, IEEE Transactions on Intelligent Transportation Systems 13 (4) , art. no. 6193212 , pp. 1566-1575	8	1
4	Borkar, A., Hayes, M., Smith, M.T., A novel lane detection system with efficient ground truth generation, IEEE Transactions on Intelligent Transportation Systems 13 (1) , art. no. 6097058 , pp. 365-374	8	1
5	Nieto, M., Arróspide Laborda, J., Salgado, L., Road environment modeling using robust perspective analysis and recursive Bayesian segmentation, Machine Vision and Applications 22 (6) , pp. 927-945	8	1
6	Rödönyi, G., Gáspár, P., Bokor, J., The emergency steering of a heavy truck by front-wheel braking, International Journal of Heavy Vehicle Systems 18 (2) , pp. 135-160	8	1
7	Suh, S., Kang, Y., A robust lane recognition technique for vision-based navigation with a multiple clue-based filtration algorithm, International Journal of Control, Automation and Systems 9 (2) , pp. 348-357	8	1
8	Chen, S.-Y., Hsieh, J.-W., Chen, D.-Y., Jointing edge labeling and geometrical constraint for lane detection and its application to suspicious driving behavior analysis, Journal of Information Science and Engineering 27 (2) , pp. 715-732	8	1
9	Marzotto, R., Zoratti, P., Bagni, D., Colombari, A., Murino, V., A real-time versatile roadway path extraction and tracking on an FPGA platform, 2010, Computer Vision and Image Understanding 114 (11) , pp. 1164-1179	8	1
10	Baeski, E., Pugeault, N., Kalkan, S., Bodenhagen, L., Piater, J.H., Krüger, N., Using multi-modal 3D contours and their relations for vision and robotics, 2010, Journal of Visual Communication and Image Representation 21 (8) , pp. 850-864	8	1
11	Soheilian, B., Paparoditis, N., Boldo, D., 3D road marking reconstruction from street-level calibrated stereo pairs, 2010, ISPRS Journal of Photogrammetry and Remote Sensing 65 (4) , pp. 347-359	8	1
12	Tournaire, O., Paparoditis, N., A geometric stochastic approach based on marked point processes for road mark detection from high resolution aerial images, 2009, ISPRS Journal of Photogrammetry and Remote Sensing 64 (6) , pp. 621-631.	8	1
13	Cheng, S.Y., Trivedi, M.M., Lane tracking with omnidirectional cameras: Algorithms and evaluation, Eurasip Journal on Embedded Systems 2007 , art. no. 46972	8	1

14		McCall, J.C., Trivedi, M.M., Video-based lane estimation and tracking for driver assistance: Survey, system, and evaluation, 2006, IEEE Transactions on Intelligent Transportation Systems 7 (1) , pp. 20-37	8	1
15	Danescu R., Nedevschi S., Probabilistic lane tracking in difficult road scenarios using stereovision, (2009) IEEE Transactions on Intelligent Transportation Systems, 10 (2) , art. no. 4895220 , pp. 272-282.	Cheng, W.-C., PSO algorithm particle filters for improving the performance of lane detection and tracking systems in difficult roads, 2012, Sensors (Switzerland) 12 (12) , pp. 17168-17185	2	4
16		Nguyen, T.-N., Michaelis, B., Al-Hamadi, A., Tornow, M., Meinecke, M.-M., Stereo-camera-based urban environment perception using occupancy grid and object tracking, 2012, IEEE Transactions on Intelligent Transportation Systems 13 (1) , art. no. 6021374 , pp. 154-165	2	4
17		Cobo, M.J., López-Herrera, A.G., Herrera, F., Herrera-Viedma, E., A Note on the ITS topic evolution in the period 2000-2009 at T-ITS, 2012, IEEE Transactions on Intelligent Transportation Systems 13 (1) , art. no. 6032751 , pp. 413-420	2	4
18		Dornaika, F., Álvarez, J.M., Sappa, A.D., López, A.M., A new framework for stereo sensor pose through road segmentation and registration, 2011, IEEE Transactions on Intelligent Transportation Systems 12 (4) , art. no. 5730495 , pp. 954-966	2	4
19		Matsushita, Y., Miura, J., On-line road boundary modeling with multiple sensory features, flexible road model, and particle filter, 2011, Robotics and Autonomous Systems 59 (5) , pp. 274-284	2	4
20		Reina, G., Milella, A., FLane: An adaptive fuzzy logic lane tracking system for driver assistance, 2011, Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME 133 (2) , art. no. 021002	2	4
21		Álvarez, J.M., López, A.M., Road detection based on illuminant invariance, 2011, IEEE Transactions on Intelligent Transportation Systems 12 (1) , art. no. 5594640 , pp. 184-193	2	4

22		Li, S., Hai, Y., Easy calibration of a blind-spot-free fisheye camera system using a scene of a parking space, 2011, IEEE Transactions on Intelligent Transportation Systems 12 (1) , art. no. 5645687 , pp. 232-242	2	4
23	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.	Dornaika, F., Álvarez, J.M., Sappa, A.D., López, A.M., A new framework for stereo sensor pose through road segmentation and registration, 2011, IEEE Transactions on Intelligent Transportation Systems 12 (4) , art. no. 5730495 , pp. 954-966	5	1.6
24		Nieto, M., Arróspide Laborda, J., Salgado, L., Road environment modeling using robust perspective analysis and recursive Bayesian segmentation, 2011, Machine Vision and Applications 22 (6) , pp. 927-945 .	5	1.6
25		Broggi, A., Cappalunga, A., Caraffi, C., Cattani, S., Ghidoni, S., Grisleri, P., Porta, P.P., (...), Zani, P., TerraMax vision at the Urban challenge 2007, 2010, IEEE Transactions on Intelligent Transportation Systems 11 (1) , art. no. 5415547 , pp. 194-205.	5	1.6
26	Danescu R., Nedevschi S., Meinecke M.M., To T.B. Lane geometry estimation in urban environments using a stereovision system (2007) IEEE Conference on Intelligent Transportation Systems, Proceedings, ITSC, , art. no. 4357686 , pp. 271-276.	Ruyi, J., Reinhard, K., Tobi, V., Shigang, W., Lane detection and tracking using a new lane model and distance transform, 2011, Machine Vision and Applications 22 (4) , pp. 721-737	4	2
27		Sun, H., Wang, C., Wang, B., El-Sheimy, N., Unsupervised video-based lane detection using location-enhanced topic models, 2010, Optical Engineering 49 (10) , art. no. 107201	4	2

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29	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	2.6666667
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31		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	2.6666667

32	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.	Sivaraman, Sayanan; Trivedi, Mohan Manubhai, "Vehicle Detection by Independent Parts for Urban Driver Assistance", IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 14 Issue: 4 Pages: 1597-1608.	3	2.6666667
33		Sivaraman, Sayanan; Trivedi, Mohan Manubhai, "Looking at Vehicles on the Road: A Survey of Vision-Based Vehicle Detection, Tracking, and Behavior Analysis", IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 14 Issue: 4 Pages: 1773-1795	3	2.6666667
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35		Perrollaz, Mathias; Yoder, John-David; Negre, Amaury; et al., "A Visibility-Based Approach for Occupancy Grid Computation in Disparity Space", IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 13 Issue: 3 Special Issue: SI Pages: 1383-1393	3	2.6666667

Total punctaj A3.1.1.

75.466667

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
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1	Danescu R., Nedevschi S., Probabilistic lane tracking in difficult road scenarios using stereovision, (2009) IEEE Transactions on Intelligent Transportation Systems, 10 (2) , art. no. 4895220 , pp. 272-282.	Yao, W., Deng, Z., Chen, Z., A global and local condensation for lane tracking, 2012, IEEE Conference on Intelligent Transportation Systems, Proceedings, ITSC , art. no. 6338864 , pp. 276-281.	2	2
2		Irie, K., Tomono, M., Localization and road boundary recognition in urban environments using digital street maps, 2012, Proceedings - IEEE International Conference on Robotics and Automation , art. no. 6225017 , pp. 4493-4499	2	2
3		Liu, G., Wörgötter, F., Markelic, I., Lane shape estimation using a partitioned particle filter for autonomous driving, 2011, Proceedings - IEEE International Conference on Robotics and Automation , art. no. 5979753 , pp. 1627-1633.	2	2
4		Chiku, T., Miura, J., Satake, J., Stereo-based road boundary tracking for mobile robot navigation, 2011, 2011 IEEE International Conference on Robotics and Biomimetics, ROBIO 2011 , art. no. 6181307 , pp. 331-336.	2	2
5		Yao, W., Deng, Z., Robust real-time lane marking detection for intelligent vehicles in urban environment, 2011, Lecture Notes in Electrical Engineering 122 LNEE , pp. 421-428.	2	2
6		Rezaei, M., Klette, R., Simultaneous analysis of driver behaviour and road condition for driver distraction detection, 2011, International Journal of Image and Data Fusion 2 (3) , pp. 217-236.	2	2
7		Gschwandtner, M., Pree, W., Uhl, A., Track detection for autonomous trains, 2010, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 6455 LNCS (PART 3) , pp. 19-28.	2	2
8		Chen, Y.S., A distributed estimator for on-road target tracking with lane estimation and identification, 2010, Science China Information Sciences 53 (12) , pp. 2495-2505.	2	2
9		Liu, X.-R., Cai, Z.-X., Robust lane detection and tracking for the structured road, 2010, Guangdianzi Jiguang/Journal of Optoelectronics Laser 21 (12) , pp. 1834-1838.	2	2

10		Sivaraman, S., Trivedi, M.M., Improved vision-based lane tracker performance using vehicle localization, 2010, IEEE Intelligent Vehicles Symposium, Proceedings , art. no. 5547967 , pp. 676-681.	2	2
11		Geiger, A., Kitt, B., Object flow: A descriptor for classifying traffic motion, 2010, IEEE Intelligent Vehicles Symposium, Proceedings , art. no. 5548122 , pp. 287-293.	2	2
12		Rezaei, M., Sarshar, M., Sanaatiyan, M.M., Toward next generation of driver assistance systems: A multimodal sensor-based platform, 2010, 2010 The 2nd International Conference on Computer and Automation Engineering, ICCAE 2010 4 , art. no. 5451782 , pp. 62-67.	2	2

Total punctaj A3.1.2.

24

A3.3. Membru in colectivele de redactie

Nr.	Nume jurnal	URL	Tip (ISI/BDI)	Punctaj
1	International Journal of Vehicular Technology	http://www.hindawi.com/journals/ijvt/editors/	BDI	6

A3.4.2. Premii nationale in domeniu

Nr.	Anul	Descriere premiu	Punctaj
1	2009	Premierea rezultatelor cercetarii, UEFISCDI, http://www.uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/REZULTATE_CUMULATE_ETAPA_II%20-8_IUNIE%281%29.pdf	5
2	2012	Premierea rezultatelor cercetarii, UEFISCDI, http://www.uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/articole%202011/evaluare/REZULTATE%20IANUARIE%20ACTUALIZAT.pdf	5
3	2013	Premierea rezultatelor cercetarii, UEFISCDI, http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/LISTA%20%20REACTUALIZATA%2018%20DECEMBRIE%20CAROLINA.pdf	5
4	2013	Premierea rezultatelor cercetarii, UEFISCDI, http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/LISTA%20%20REACTUALIZATA%2018%20DECEMBRIE%20CAROLINA.pdf	5

Total punctaj A3.4.2.

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19.05.2014
Conf. Dr. Ing. R. Danescu