

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

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Nr. Crt	Domeniul activ.		Subcategori	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	4	100
		Material didactic/lucrari didactice	Manuale didactice	A1.1.2. nationale	20	1	20
				A1.2.1	10	3	30
Total punctaj A[1]						150	
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	45	553.59
				A2.2	20 / nr. de autori	18	105.91
		Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)		A2.3.1. internationale	35 / nr. de autori	0	0
				A2.3.2. nationale	25 / nr. de autori	1	25
		Proprietate intelectuala, brevete de inventie, certificate ORDA	Director / responsabil	A2.4.1.1. internationale	20 * ani de desfasurare	2	80
				A2.4.1.2. nationale	10 * ani de desfasurare	3	90
				A2.4.2.1. internationale	4 * ani de desfasurare	11	92
Granturi/proiecte castigate prin competitie	Membru in echipa	A2.4.2.2. nationale	2 * ani de desfasurare	10	60		
		Total punctaj A[2]					
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	258	521.13
				A3.1.2. BDI	4 / nr aut art. citat	189	182.9
		Prezentari invitate in plenum unor manifestari stiintifice nationale si internationale si profesor invitat	Punctaj unic pentru fiecare activitate	A3.2.1. internationale	10	0	0
				A3.2.2. nationale	5	0	0
		Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, internationale indexate ISI	Punctaj unic pentru fiecare activitate	A3.3.1. ISI	10	7	70
				A3.3.2. BDI	6	9	54
				A3.3.3. nationale si internationale neindexate	3	0	0
		Premii in domeniu		A3.4.1. Academia Romana, ASTR, academiile de ramura, premii internationale	15	0	0
				A3.4.2. premii nationale in domeniu	5	13	65
				Total punctaj A[3]			

Conditii minimele Ai			
Nr.	Domeniul de activitate (A)	Necesar profesor	Realizat
A1	Activitatea didactica / profesionala (A1)	100	150
A2	Activitatea de cercetare (A2)	500	1006.5
A3	Recunoasterea impactului activitatii (A3)	100	893.03
Total (A)		700	2049.53

Conditii minime obligatorii pe subcategori			
		Necesar profesor	Realizat
A1.1.1.-A1.1.2	Carti si capitole in carti de specialitate	4	5
A1.2.1.-A1.2.2	Material didactic / Lucrari didactice	2	3
A2.1.	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	12	45
A2.4.1	Granturi/proiecte castigate prin competitie (Director/ responsabil)	2	5
A3.1.1.-A3.1.2	Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI sau BDI	20	448
	Factor de impact cumulat pentru publicatii	6	35.042

Candidat
Conf. Dr. Ing. Radu Danescu

Vizat Director Departament
Prof. Dr. Ing. Rodica Potolea

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Prof. Dr. Ing. Liviu Miclea

Anexa: datele pentru calculul indeplinirii criteriilor

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

Nr.	Autori	Titlu capital / carte	Editura	Anul
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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 Danescu, Florin Oniga, Tiberiu Marita	"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
5	R. Danescu, A. Petrovai, R. Itu, S. Nedevschi	Generic Obstacle Detection for Mobile Devices Using a Dynamic Intermediate Representation, book chapter in Volume 427 of the series Advances in Intelligent Systems and Computing (Proceedings of the Second International Afro-European Conference for Industrial Advancement AECIA 2015), pp 629-639	Springer Berlin Heidelberg	2016

A1.2.1. Materiale didactice

1	Sergiu Nedevschi, Tiberiu Marita, Radu Danescu, Florin Oniga, Raluca Brehar, Ionel Giosan, Cristian Vicaș	Procesarea imaginilor - îndrumător de laborator, ISBN 978-973-662-796-5	U.T. Press Cluj-Napoca	2013
2	Sergiu Nedevschi, Tiberiu Marita, Radu Danescu, Florin Oniga, Raluca Brehar, Ionel Giosan, Silviu Bota, Anca Clurte, Andrei Vatavu	Image Processing, Laboratory Guide	UT Press Cluj-Napoca	2016
3	Radu Danescu	Proiectarea cu microprocesoare, lucrari de laborator	Online: http://users.utcluj.ro/~rdanescu/teaching_pmp.html	2015

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

Nr.	Autori	Titlu lucrare / revista (conferința)	Factor de impact	Nr. Autori	Punctaj
1	R. Danescu, R. Itu, A. Petrovai	"Generic Dynamic Environment Perception Using Smart Mobile Devices", Sensors, Vol. 16, No. 10, 2016, Art. No. 1721, ISSN 1424-8220	2.03	3	21.88666667
2	D. Borza, A. S. Darabant, R. Danescu	"Real-Time Detection and Measurement of Eye Features from Color Images", Sensors, Vol. 16, No. 7, 2016, Art. No. 1105, ISSN 1424-8220	2.03	3	21.88666667
3	A. Petrovai, R. Danescu, M. Negru, C. C. Vancea, S. Nedevschi	"A Stereovision based Rear-End Collision Warning System on Mobile Devices", 2016 IEEE 12th International Conference on Intelligent Computer Communication and Processing (ICCP 2016), pp. 285-292.	0.25	5	6
4	M. P. Muresan, S. Nedevschi, R. Danescu	"Patch warping and local constraints for improved block matching stereo correspondence", 2016 IEEE 12th International Conference on Intelligent Computer Communication and Processing (ICCP 2016), pp. 321-327.	0.25	3	10
5	Voichita Popescu, Sergiu Nedevschi, Radu Danescu, Tiberiu Marita	A Lane Assessment Method Using Visual Information Based on a Dynamic Bayesian Network, in JOURNAL OF INTELLIGENT TRANSPORTATION SYSTEMS, vol. 19, no. 3, pp. 225-239, 2015.	1.57	4	14.075
6	Andrei Vatavu, Radu Danescu, Sergiu Nedevschi	Stereovision-Based Multiple Object Tracking in Traffic Scenarios Using Free-Form Obstacle Delimiters and Particle Filters, in IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, vol. 16, no. 1, pp. 498-511, 2015.	2.534	3	25.22666667

7	R.G. Danescu, R. Itu, A. Petrovai	Sensing the driving environment with smart mobile devices, in Proceedings - 2015 IEEE 11th International Conference on Intelligent Computer Communication and Processing, ICCP 2015, pp. 271-278, 2015.	0.25	3	10
8	D.L. Borza, R.G. Danescu, A.S. Darabant	Eyeglasses contour extraction using genetic algorithms, in Proceedings - 2015 IEEE 11th International Conference on Intelligent Computer Communication and Processing, ICCP 2015, pp. 327-333, 2015.	0.25	3	10
9	A. Petrovai, R. Danescu, S. Nedevschi	A stereovision based approach for detecting and tracking lane and forward obstacles on mobile devices, in IEEE Intelligent Vehicles Symposium, Proceedings, vol. 2015-August, pp. 634-641, 2015.	0.25	3	10
10	Radu Danescu, Sergiu Nedevschi	A Particle-Based Solution for Modeling and Tracking Dynamic Digital Elevation Maps, in IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, vol. 15, no. 3, pp. 1002-1015, 2014.	2.534	2	37.84
11	Radu Danescu, Anca Ciurte, Vlad Turcu	A Low Cost Automatic Detection and Ranging System for Space Surveillance in the Medium Earth Orbit Region and Beyond, in SENSORS, vol. 14, no. 2, pp. 2703-2731, 2014.	2.03	3	21.88666667
12	Andrei Vatavu, Radu Danescu, Sergiu Nedevschi	Modeling and Tracking of Crowded Traffic Scenes by using Policy Trees, Occupancy Grid Blocks and Bayesian Filters, in 2014 IEEE 17TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS (ITSC), pp. 1948-1955, 2014.	0.25	3	10
13	Razvan Itu, Radu Danescu	An Efficient Obstacle Awareness Application for Android Mobile Devices, in 2014 IEEE INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING (ICCP), pp. 157-163, 2014.	0.25	2	15
14	Anca Ciurte, Adrian Soucup, Radu Danescu	Generic Method for Real-time Satellite Detection Using Optical Acquisition Systems, in 2014 IEEE INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING (ICCP), pp. 179-185, 2014.	0.25	3	10
15	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	3.333333333
16	Diana Borza, Adrian Darabant, Radu Danescu	Eyeglasses Lens Contour Extraction from Facial Images Using an Efficient Shape Description, in SENSORS, vol. 13, no. 10, pp. 13638-13658, 2013.	2.03	3	21.88666667
17	Octavian Cristea, Paul Dolea, Vlad Turcu, Radu Danescu	Long baseline stereoscopic imager for close to Earth objects range measurements, in ACTA ASTRONAUTICA, vol. 90, no. 1, pp. 41-48, 2013.	1.095	4	11.725
18	Sergiu Nedevschi, Voichita Popescu, Radu Danescu, Tiberiu Marita, Florin Oniga	Accurate Ego-Vehicle Global Localization at Intersections Through Alignment of Visual Data With Digital Map, in IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, vol. 14, no. 2, pp. 673-687, 2013.	2.534	5	15.136
19	Andrei Vatavu, Radu Danescu, Sergiu Nedevschi	Tracking Multiple Objects in Traffic Scenarios using Free-Form Obstacle Delimiters and Particle Filters, in 2013 16TH INTERNATIONAL IEEE CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS - (ITSC), pp. 1346-1351, 2013.	0.25	3	10
20	Radu Danescu, Sergiu Nedevschi	A Flexible Solution for Modeling and Tracking Generic Dynamic 3D Environments, in 2013 16TH INTERNATIONAL IEEE CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS - (ITSC), pp. 1686-1692, 2013.	0.25	2	15
21	Radu Danescu, Florin Oniga, Vlad Turcu, Octavian Cristea	Long Baseline Stereovision for Automatic Detection and Ranging of Moving Objects in the Night Sky, in SENSORS, vol. 12, no. 10, pp. 12940-12963, 2012.	2.03	4	16.415
22	Radu Danescu, Cosmin Pantille, Florin Oniga, Sergiu Nedevschi	Particle Grid Tracking System Stereovision Based Obstacle Perception in Driving Environments, in IEEE INTELLIGENT TRANSPORTATION SYSTEMS MAGAZINE, vol. 4, no. 1, pp. 6-20, 2012.	1.547	4	13.985
23	Voichita Popescu, Radu Danescu, Sergiu Nedevschi	On-Road Position Estimation by Probabilistic Integration of Visual Cues, in 2012 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV), pp. 583-589, 2012.	0.25	3	10
24	Andrei Vatavu, Radu Danescu, Sergiu Nedevschi	Real-Time Dynamic Environment Perception in Driving Scenarios using Difference Fronts, in 2012 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV), pp. 717-722, 2012.	0.25	3	10
25	Radu Danescu, Florin Oniga, Sergiu Nedevschi	Modeling and Tracking the Driving Environment With a Particle-Based Occupancy Grid, in IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, vol. 12, no. 4, pp. 1331-1342, 2011.	2.534	3	25.22666667
26	Radu Danescu, Sergiu Nedevschi	New Results in Stereovision Based Lane Tracking, in 2011 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV), pp. 230-235, 2011.	0.25	2	15
27	Radu Danescu, Florin Oniga, Sergiu Nedevschi	Particle Grid Tracking System for Stereovision Based Environment Perception, in 2010 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV), pp. 987-992, 2010.	0.25	3	10

28	Ioana Chira, Ancuta Chibulcutean, Radu Danescu	Real-Time Detection of Road Markings for Driving Assistance Applications, in ICCES'2010: THE 2010 INTERNATIONAL CONFERENCE ON COMPUTER ENGINEERING & SYSTEMS, pp. 158-163, 2010.	0.25	3	10
29	Radu Danescu, Sergiu Nedevschi	Probabilistic Lane Tracking in Difficult Road Scenarios Using Stereovision, in IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, vol. 10, no. 2, pp. 272-282, 2009.	2.534	2	37.84
30	Florin Oniga, Sergiu Nedevschi, Radu Danescu, Marc-Michael Meinecke	Global Map Building Based on Occupancy Grids Detected from Dense Stereo in Urban Environments, in 2009 IEEE 5TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS, pp. 111-117, 2009.	0.25	4	7.5
31	Radu Danescu, Daniel Lebu, Florin Oniga, Sergiu Nedevschi, Marc-Michael Meinecke	A Flexible Solution for Detection and Tracking of Multiple Objects, in 2009 IEEE 5TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS, pp. 165-168, 2009.	0.25	5	6
32	Sergiu Nedevschi, Marita Tiberiu, Radu Danescu, Florin Oniga, Silviu Bota	On-board Stereo Sensor for Intersection Driving Assistance. Architecture and Specification, in 2009 IEEE 5TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS, pp. 409-416, 2009.	0.25	5	6
33	Radu Danescu, Florin Oniga, Sergiu Nedevschi, Marc-Michael Meinecke	Tracking Multiple Objects Using Particle Filters and Digital Elevation Maps, in 2009 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1 AND 2, pp. 88-93, 2009.	0.25	4	7.5
34	Radu Danescu, Sergiu Nedevschi	Adaptive and Robust Road Tracking System Based on Stereovision and Particle Filtering, in 2008 IEEE 4TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS, pp. 67-73, 2008.	0.25	2	15
35	Radu Danescu, Sergiu Nedevschi, Marc-Michael Meinecke, Thanh-Binh To	A Stereovision-Based Probabilistic Lane Tracker for Difficult Road Scenarios, in 2008 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1-3, pp. 789-794, 2008.	0.25	4	7.5
36	R. Danescu, S. Nedevschi, M. Meinecke, T. Graf	Stereovision based vehicle tracking in urban traffic environments, in 2007 IEEE INTELLIGENT TRANSPORTATION SYSTEMS CONFERENCE, VOLS 1 AND 2, pp. 355-359, 2007.	0.25	4	7.5
37	R. Danescu, S. Nedevschi, M. Meinecke, T. To	Lane geometry estimation in urban environments using a stereovision system, in 2007 IEEE INTELLIGENT TRANSPORTATION SYSTEMS CONFERENCE, VOLS 1 AND 2, pp. 360-365, 2007.	0.25	4	7.5
38	Sergiu Nedevschi, Radu Danescu, Tiberiu Marita, Florin Oniga, Ciprian Pocol, Stefan Sobol, Corneliu Tomiuc, Cristian Vancea, Marc Meinecke, Thorsten Graf, Thanh To, Marian Obojaki	A sensor for urban driving assistance systems based on dense stereovision, in 2007 IEEE INTELLIGENT VEHICLES SYMPOSIUM, VOLS 1-3, pp. 830-837, 2007.	0.25	12	2.5
39	Radu Danescu, Sergiu Nedevschi, Thanh-Binh To	A stereovision-based lane detector for marked and non-marked urban roads, in ICCP 2007: IEEE 3RD INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS, pp. 81-88, 2007.	0.25	3	10
40	Sergiu Nedevschi, Florin Oniga, Radu Danescu, Thorsten Graf, Rolf Schmidt	Increased accuracy stereo approach for 3D lane detection, in 2006 IEEE INTELLIGENT VEHICLES SYMPOSIUM, pp. 42-49, 2006.	0.25	5	6
41	S. Nedevschi, R. Danescu, T. Marita, F. Oniga, C. Pocol, S. Sobol, T. Graf, R. Schmidt	Driving environment perception using stereovision, in 2005 IEEE INTELLIGENT VEHICLES SYMPOSIUM PROCEEDINGS, pp. 331-336, 2005.	0.25	8	3.75
42	S. Nedevschi, R. Danescu, D. Frentiu, T. Marita, F. Oniga, C. Pocol, R. Schmidt, T. Graf	High accuracy stereo vision system for far distance obstacle detection, in 2004 IEEE INTELLIGENT VEHICLES SYMPOSIUM, pp. 292-297, 2004.	0.25	8	3.75
43	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

44	S. Nedevschi, R. Schmidt, T. Graf, R. Danescu, D. Frentiu, T. Marita, F. Oniga, C. Pocol	3D lane detection system based on stereovision, in ITSC 2004: 7TH INTERNATIONAL IEEE CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS, PROCEEDINGS, pp. 161-166, 2004.	0.25	8	3.75
45	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
Factor impact cumulativ			35.042		
Total punctaj A2.1.					553.5993333

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. Clurte, R. Danescu	Automatic detection of MEO satellite streaks from single long exposure astronomic images, in VISAPP 2014 - Proceedings of the 9th International Conference on Computer Vision Theory and Applications, vol. 1, pp. 538-544, 2014.	Scopus	2	10
2	R.G. Danescu	Obstacle detection using dynamic particle-based occupancy grids, In Proceedings - 2011 International Conference on Digital Image Computing: Techniques and Applications, DICTA 2011, pp. 585-590, 2011.	Scopus	1	20
3	F. Oniga, M. Miron, R. Danescu, S. Nedevschi	Automatic recognition of low earth orbit objects from image sequences, in Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, pp. 335-338, 2011.	Scopus	4	5
4	A. Vatavu, R. Danescu, S. Nedevschi	Environment perception using dynamic polylines and particle based occupancy grids, in Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, pp. 239-244, 2011.	Scopus	3	6.666667
5	T. Marita, M. Negru, R. Danescu, S. Nedevschi	Stop-line detection and localization method for intersection scenarios, in Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, pp. 293-298, 2011.	Scopus	4	5
6	R. Danescu, S. Nedevschi	Detection and classification of painted road objects for intersection assistance applications, in IEEE Conference on Intelligent Transportation Systems, Proceedings, ITSC, pp. 433-438, 2010.	Scopus	2	10
7	F. Oniga, R. Danescu, S. Nedevschi	Mixed road surface model for driving assistance systems, in Proceedings - 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing, ICCP10, pp. 185-190, 2010.	Scopus	3	6.666667
8	S. Nedevschi, V. Popescu, T. Marita, R. Danescu, M.-M. Melnecke, M.-A. Obojski, J. Knaup	Intersection representation enhancement by sensorial data and digital map alignment, in Proceedings - 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing, ICCP10, pp. 393-400, 2010.	Scopus	7	2.857143
9	S. Nedevschi, T. Marita, R. Danescu, F. Oniga, S. Bota, I. Haller, C. Pantile, M. Drulea, C. Golban	On-board 6d visual sensor for intersection driving assistance, in Advanced Microsystems for Automotive Applications 2010: Smart Systems for Green Cars and Safe Mobility, pp. 253-264, 2010.	Scopus	9	2.222222
10	R. Danescu, S. Sobol, S. Nedevschi, T. Graf	Stereovision-based side lane and guardrail detection, in IEEE Conference on Intelligent Transportation Systems, Proceedings, ITSC, pp. 1156-1161, 2006.	Scopus	4	5
11	S. Nedevschi, R. Danescu, D. Frentiu, T. Marita, F. Oniga, C. Pocol	Spatial grouping of 3D points from multiple stereovision sensors, in Conference Proceeding - IEEE International Conference on Networking, Sensing and Control, vol. 2, pp. 874-879, 2004.	Scopus	6	3.333333
12	Sergiu Nedevschi, Radu Danescu, Dan Frentiu, Tiberiu Marita, Florin Oniga, Ciprian Pocol, Thorsten Graf, Rolf Schmidt	High accuracy stereovision approach for obstacle detection on non-planar roads, in Proc. IEEE INES, pp. 211-216-2004.	Google Scholar	8	2.5
13	Sergiu Nedevschi, Tiberiu Marita, Mircea Vaida, Radu Danescu, Dan Frentiu, Florin Oniga, Ciprian Pocol, Daniel Moga	Camera Calibration Method for Stereo Measurements, in Journal of Control Engineering and Applied Informatics (CEAI), vol. 4, no. 2, pp. 21-28-2002.	Google Scholar	8	2.5

14	Radu Danescu, Sergiu Nedevschi	Robust Real-Time Lane Delineating Features Extraction, In Proceedings of 2nd IEEE International Conference on Intelligent Computer Communication and Processing (ICCP 2006), pp. 77-82-2006.	Google Scholar	2	10
15	Sergiu Nedevschi, Radu Danescu, Ciprian Pocol, Marc Michael Meinecke	Stereo image Processing for ADAS and Pre-Crash Systems, in proc of 5th International Workshop on Intelligent Transportation, pp. 55-60-2008.	Google Scholar	4	5
16	Sergiu Nedevschi, Radu Danescu, Dan Frentiu, Tiberiu Marita, Florin ONIGA, Ciprian POCOL	Dynamic Traffic Description Using Stereovision Equipped Vehicles and Ad-hoc Wireless Networking, AQTR 2004	Google Scholar	6	3.333333333
17	Sergiu Nedevschi, Tiberiu Marita, Radu Danescu, Florin Oniga, Dan Frentiu, Ciprian Pocol	3D Environment Reconstruction Using Multiple Moving Stereovision Sensors, in mroCAD International Scientific Conference, pp. 93-98-2004.	Google Scholar	6	3.333333333
18	S. Nedevschi, R. Danescu, D. Frentiu, T. Marita, F. Oniga, C. Pocol, T. Graf, R. Schmidt,	S. Nedevschi, R. Danescu, D. Frentiu, T. Marita, F. Oniga, C. Pocol, Thorsten Graf, Rolf Schmidt, "High Accuracy Stereovision Approach for Obstacle Detection on Non-Planar Roads," Journal of Automation, Computers and Applied Mathematics (ACAM), Vol.14, No. 2, 2005, Cluj-Napoca, Romania, pp. 173-178, ISSN 1221-437X.	Mathematical Review, Google Scholar	8	25

Total punctaj A2.2.

105.9126987

A 2.3.2. Proprietate Intelectuala, brevete de Inventie - nationale

1	National	131751 A2: Dispozitiv si metoda pentru sincronizarea precisa la distanta a sistemelor pentru observatii astronomice (cerere depusa 2015, publicata Martie 2017)	OSIM	2015	25
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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 CNCIS 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
3	National	Multifocal System for Real Time Tracking of Dynamic Facial and Body Features (MULTIFACE) PN-II-RU-TE-2014-4-1746	2015-2017	3	30
4	International	Image and data processing for automatic mapping, beneficiar TELENNAV GMBH Germania	2016-2017	2	40
5	International	GENERIC DATA REDUCTION FRAMEWORK FOR SPACE SURVEILLANCE (GENDARED), proiect finantat de European Space Agency (ESA), coordonat de GMV Romania, UTCN partener	2016-2017	2	40

Total punctaj A2.4.1

170

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	International	Dense Stereo-Based Object Detection, Tracking and Pedestrian Classification in Traffic environments - DESPED, Volkswagen AG, Germany	2006-2007	2	8
7	International	"Stereo System Modular Design - MODULAR", research project funded by Volkswagen AG, Germany	2008-2009	1	4
8	International	"Dense STEREO-Based Object Tracking and CLASSification for Pre-Crash-Applications - STEREOCLASS", research project funded by Volkswagen AG, Germany	2008	1	4
9	International	STEREOSENS (2007) - Stereo Sensor for City Automatic Cruise Control research project funded by Volkswagen AG, Germany, 2007	2007	1	4
10	International	"Identification of 3D lane boundaries based on road limiting infrastructure and surface discontinuities using stereo measurement", contractor Robert Bosch GmbH	2014	1	4

11	International	Stereo sensors for highways, finanțat de Volkswagen AG	2007	1	4
12	National	LEOSCOP (2008-2011), "Experimental Low Earth Orbit Surveillance Stereoscope", proiect de tip parteneriat	2008-2011	3	6
13	National	PERSENS (2008-2011), "Sensorial perception, modelling and representation of the world model for driving assistance systems", PNI-IdeI	2008-2011	3	6
14	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
15	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", PNI-IdeI fundamental research project	2012-2015	3	6
16	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
17	National	"Method and system for real time high-resolution 3D Images acquisition based on trinocular stereovision", grant CNCIS	2004-2006	3	6
18	National	Tratamentul tumorilor renale prin cirochirurgie laparoscopica, individualizat prin simulare pe model tridimensional reconstituit - CRIOLAPSIM", CEEX	2006-2008	3	6
19	National	"Ficatul gras nealcoolic, hepatita virală C și hipertiza biliară - Componente ale sindromului metabolic. Epidemiologie clinică, aspecte patogenetice, mijloace neinvazive de diagnostic - FINALISM", ceex	2006-2008	3	6
20	National	"Sistem Inteligent de Detectare și Evaluare Neinvazivă a Fibrozei, Restructurării și a Nodurilor Displazice al Ficatului cu ajutorul Ultrasonografiei 2D/3D și a Markerilor Moleculari - S.I.D.E.F"	2006-2008	3	6
21	National	"Teleasistența Ultrasonografică în Screeningul și Monitorizarea Hepatocarcinomului - TELEHEPASCAN", ceex	2005-2007	3	6

Total punctaj A2.4.1

152

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., Frentlu 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.	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
2		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	1
3		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	1
4		Camera based detection and classification of soft shoulders, curbs and guardrails By: Seibert, Alexander; Haehnel, Michael; Tawes, Andreas; et al. Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Gold Coast, AUSTRALIA Date: JUN 23-26, 2013	8	1
5		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

6		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
7		An Instantaneous Lane-Level Positioning Using DSRC Carrier Frequency Offset By: Alam, Nima; Balael, 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	1
8		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	1
9		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	1
10		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	1
11		Detection of Geometric Shape for Traffic Lane and Mark By: Liu, Xian; Wang, Gang; Uao, 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
12		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: Alcalá de Henares, SPAIN Date: JUN 03-07, 2012 Sponsor(s): IEEE 2012 IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV) Pages: 93-98	8	1
13		Road environment modeling using robust perspective analysis and recursive Bayesian segmentation By: Nieto, Marcos; Arrosplda Laborda, Jon; Salgado, Luis MACHINE VISION AND APPLICATIONS Volume: 22 Issue: 6 Pages: 927-945 Published: NOV 2011	8	1
14		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
15		Jointing Edge Labelling 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
16		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

17		The emergency steering of a heavy truck by front-wheel braking By: Roedoanyi, Gabor; Gaspar, Peter; Bokor, Jozsef INTERNATIONAL JOURNAL OF HEAVY VEHICLE SYSTEMS Volume: 18 Issue: 2 Pages: 135-160 Published: 2011	8	1
18		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	1
19		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
20		3D road marking reconstruction from street-level calibrated stereo pairs By: Sohellen, Bahman; Paparoditis, Nicolas; Boido, Didier ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING Volume: 65 Issue: 4 Pages: 347-359 Published: JUL 2010	8	1
21		Robust Road Marking Extraction in Urban Environments Using Stereo Images By: Sebsadji, Yazid; Taref, 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
22		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
23		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	1
24		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	1
25		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
26		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
27		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

28		<p>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</p>	8	1
29		<p>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</p>	8	1
30		<p>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</p>	8	1
31		<p>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</p>	8	1
32		<p>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</p>	8	1
33		<p>Stereo Vision Based Pedestrian Detection Using B-Spline Modeling By: Abbas, Ammar; Hoefler, Sven; Fardl, 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</p>	8	1
34		<p>Lane Marking Detection by Side Fisheye Camera By: Li, Shigang; Shiomura, 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</p>	8	1
35		<p>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</p>	8	1
36		<p>Localization of objects in 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</p>	8	1
37		<p>A far-range off-line camera calibration 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</p>	8	1

38	Recognition of road contours based on extraction of 3D positions of delineators 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
39	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
40	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
41	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
42	An integrated approach to recognition of lane marking and road boundary By: Lu, Welna; Zheng, Yucal; 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
43	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
44	A synchronous detection of the road boundary and lane marking for intelligent vehicles By: Lu, Welna; 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
45	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	1
46	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
47	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

48		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
49		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
50		Unified stereovision for ground, road, and obstacle detection By: Lombardi, P; Zanin, M; Messelodi, S Book Group Author(s): IEEE Conference: IEEE Intelligent Vehicles Symposium Location: Las Vegas, NV Date: JUN 06-08, 2005, Pages: 783-788	8	1
51	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.	Probabilistic and Holistic Prediction of Vehicle States Using Sensor Fusion for Application to Integrated Vehicle Safety Systems By: Kim, Beomjun, Yi, Kyongsu IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 15 Issue: 5 Pages: 2178-2190 Published: OCT 2014	2	4
52		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	4
53		Monocular Road Terrain Detection by Combining Visual and Spatial Information By: Fritsch, Jannik; Kuehn, Tobias; Kummert, Franz IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 15 Issue: 4 Pages: 1586-1596 Published: AUG 2014	2	4
54		3D Traffic Scene Understanding from Movable Platforms By: Geiger, Andreas; Lauer, Martin; Wojek, Christian; et al. IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE Volume: 36 Issue: 5 Pages: 1012-1025 Published: MAY 2014	2	4
55		Recent progress in road and lane detection: a survey By: Bar Hillel, Aharon; Lerner, Ronen; Levi, Dan; et al. MACHINE VISION AND APPLICATIONS Volume: 25 Issue: 3 Special Issue: 51 Pages: 727-745 Published: APR 2014	2	4
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57		A Sensor-Fusion Drivable-Region and Lane-Detection System for Autonomous Vehicle Navigation In Challenging Road Scenarios By: Li, Qingquan; Chen, Long; Li, Ming; et al. IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY Volume: 63 Issue: 2 Pages: 540-555 Published: FEB 2014	2	4
58		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	2	4

59		Efficient railway tracks detection and turnouts recognition method using HOG features By: Qi, Zhiqun; Tian, Yingjie; Shi, Yong NEURAL COMPUTING & APPLICATIONS Volume: 23 Issue: 1 Pages: 245-254 Published: JUL 2013	2	4
60		Performance-Based Classification of Occupant Posture to Reduce the Risk of Injury in a Collision By: Untaroiu, Costin D.; Adam, Thomas J. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 14 Issue: 2 Pages: 565-573 Published: JUN 2013	2	4
61		Integrated Lane and Vehicle Detection, Localization, and Tracking: A Synergistic Approach By: Sivaraman, Sayanan; Trivedi, Mohan Manubhai IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 14 Issue: 2 Pages: 906-917 Published: JUN 2013	2	4
62		Stochastic Lane Shape Estimation Using Local Image Descriptors By: Liu, Guoliang; Woergoetter, Florentin; Markelic, Irene IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 14 Issue: 1 Pages: 13-21 Published: MAR 2013	2	4
63		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	2	4
64		Road Recognition from a Single Image using Prior Information By: Irie, Kiyoshi; Tomono, Masahiro Edited by: Amato, N Conference: IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) Location: Tokyo, JAPAN Date: NOV 03-08, 2013 Sponsor(s): IEEE; IEEE Robot & Automat Soc; IEEE Ind Elect Soc; Robot Soc Japan; New Technol Fdn; Soc Instrument & Control Engineers; Kawada Robot; Reflexxas GmbH; Telecommunicat Advancement Fdn; Tetsu! Sci & Technol Fdn 2013 IEEE/RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS (IROS) Book Series: IEEE International Conference on Intelligent Robots and Systems Pages: 1938-1945 Published: 2013	2	4
65		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 Sponsor(s): IEEE Ind Elect Soc; Inst Elect & Elect Engineers; Austrian Inst Technol; Vienna Univ Technol 39TH ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY (IECON 2013) Book Series: IEEE Industrial Electronics Society Pages: 2420-2425 Published: 2013	2	4
66		Novel Approach to Lane and Path Detection in Unmanned Ground Vehicles By: Chandan, B.; Sadhu, Chetan; Ganesh, Madan Ravi; et al. Book Group Author(s): IEEE Conference: International Conference on Advances in Technology and Engineering (ICATE) Location: Mumbai, INDIA Date: JAN 23-25, 2013 2013 INTERNATIONAL CONFERENCE ON ADVANCES IN TECHNOLOGY AND ENGINEERING (ICATE) Published: 2013	2	4

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68		<p>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</p>	2	4
69		<p>A Learning Approach Towards Detection and Tracking of Lane Markings By: Gopalan, Raghuraman; Hong, Tsai; Shneler, Michael; et al. IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 13 Issue: 3 Special Issue: SI Pages: 1088-1098 Published: SEP 2012</p>	2	4
70		<p>Robust Road Detection and Tracking in Challenging Scenarios Based on Markov Random Fields With Unsupervised Learning By: Guo, Chunzha; Mita, Seiji; McAllister, David IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 13 Issue: 3 Special Issue: SI Pages: 1338-1354 Published: SEP 2012</p>	2	4
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Total punctaj A3.1.1.

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Total punctaj A3.1.2.

182.9

A3.3. Membri în colectivele de redacție sau comitete științifice ale revistelor, organizator de manifestări științifice, internaționale Indexate ISI

Nr.	Nume Jurnal	URL	Tip (ISI/BDI)	Punctaj
1	International Journal of Vehicular Technology	http://www.hindawi.com/journals/ijvt/editors/	BDI	6
2	39th International Conference on Current Trends In Theory and Practice of Computer Science	http://www.splsem.ro/olsem13/index.php?page=program	BDI	6
3	RoEduNet Conference 2010	http://roedu2010.ubibib.ro/committee/	BDI	6
4	IEEE Intelligent Computer Communication and Processing, 2010	http://ieee-siice.iese.org/stamp/stamp.asp?no=&numbers=506474	BDI	6
5	IEEE Intelligent Computer Communication and Processing, 2011	http://ieee-siice.iese.org/stamp/stamp.asp?no=710-&numbers=647831	BDI	6
6	IEEE Intelligent Computer Communication and Processing, 2012	http://www.iccp.ro/iccp2012/program-committee.html	BDI	6
7	IEEE Intelligent Computer Communication and Processing, 2013	http://www.iccp.ro/iccp2013/index.php/program-committee.html	BDI	6
8	IEEE Intelligent Computer Communication and Processing, 2014	http://www.iccp.ro/iccp2014/index.php/program-committee.html	BDI	6

9	IEEE Intelligent Computer Communication and Processing, 2015	http://www.iccp.ro/iccp2015/index.php/program-committee.html	BDI	6
10	IEEE Transactions on Intelligent Transportation Systems	mc.manuscriptcentral.com/its	ISI	10
11	IEEE Transactions on Vehicular Technology	mc.manuscriptcentral.com/TVT-IEEE	ISI	10
12	Measurement - Journal of the International Measurement Confederation	http://ees.elsevier.com/meas/	ISI	10
13	Remote Sensing	www.sciencedirect.com/journal/remote-sensing	ISI	10
14	Sensors	www.sciencedirect.com/journal/sensors	ISI	10
15	IEEE Transactions on Circuits and Systems for Video Technology	http://tsvt.polito.it/forms/Reviewers/index.html	ISI	10
16	IEEE Transactions on Robotics	www.sciencedirect.com/journal/robotics	ISI	10

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A3.4.2. Premii nationale in domeniul

Nr.	Anul	Descriere premiul	Punctaj
1	2009	Premierea rezultatelor cercetarilor, UEFISCDI, articol "Probabilistic Lane Tracking in Difficult Road Scenarios Using Stereovision", http://www.uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/REZULTATE_CUMULATE_ETAPA_II%20-8_IUNIE%2011%20.pdf	5
2	2012	Premierea rezultatelor cercetarilor UEFISCDI, articol "Modeling and Tracking the Driving Environment With a Particle-Based Occupancy Grid", T-ITS 2011, http://www.uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/articole%202011/evaluare/REZULTATE%20ANUARIE%20ACTUALIZAT.pdf	5
3	2012	Premierea rezultatelor cercetarilor, UEFISCDI, Articol Jurnal ISI "Long Baseline Stereovision for Automatic Detection and Ranging of Moving Objects in the Night Sky", http://www.uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/articole%202012/OCTOMBRIE%20timea.pdf	5
4	2013	Premierea rezultatelor cercetarilor, UEFISCDI, articol "Long baseline stereoscopic imager for close to Earth objects range measurements", Acta Astronautica, http://www.uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/LISTA%2020REACTUALIZATA%2018%20DECEMBRIE%20CAROLINA.pdf	5
5	2013	Premierea rezultatelor cercetarilor, UEFISCDI, articol "Accurate Ego-Vehicle Global Localization at Intersections Through Alignment of Visual Data With Digital Map", T-ITS 2012, http://www.uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/LISTA%2020REACTUALIZATA%2018%20DECEMBRIE%20CAROLINA.pdf	5
6	2014	Premierea rezultatelor cercetarilor, UEFISCDI, articol "Eyeglasses Lens Contour Extraction from Facial Images Using an Efficient Shape Description", Sensors 2012, http://www.uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202014/ACTUALIZARE%2023_12_2014/LISTA%203%20REZULTATE%20-%20ACTUALIZATA%2018_12_2014.pdf	5
7	2014	Premierea rezultatelor cercetarilor, UEFISCDI, articol "A Low Cost Automatic Detection and Ranging System for Space Surveillance in the Medium Earth Orbit Region and Beyond", Sensors 2014, http://www.uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202014/ACTUALIZARE%2023_12_2014/LISTA%201_REZULTATE%20-%20ACTUALIZATA%20-%2018_12_2014.pdf	5

8	2014	Premierea rezultatelor cercetării, UEFISCDI, articol "A Particle-Based Solution for Modeling and Tracking Dynamic Digital Elevation Maps", T-ITS 2014, http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202014/ACTUALIZARE%2023_12_2014/Lista%201_REZULTATE%20-%20ACTUALIZATA%20-%2018_12_2014.pdf	5
9	2015	Stereovision-Based Multiple Object Tracking in Traffic Scenarios Using Free-Form Obstacle Delimiters and Particle Filters IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202015/REZULTATE/Rezultate%20evaluare_lista%201_ACTUALIZATA_18_12_2015.pdf	5
10	2015	A Lane Assessment Method Using Visual Information Based on a Dynamic Bayesian Network, JOURNAL OF INTELLIGENT TRANSPORTATION SYSTEMS, http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202015/REZULTATE/Rezultate%20evaluare_lista%201_ACTUALIZATA_18_12_2015.pdf	5
11	2015	<u>Primiile pentru activitatea de cercetare pe anul 2014 Pentru activitatea publicistica, vizibilitate internaționala și fonduri externe:</u> http://research.utcluj.ro/index.php/tem-2014.html	5
12	2016	Premiere articol ISI "Generic Dynamic Environment Perception Using Smart Mobile Devices", Sensors 2016, https://uefiscdi.ro/preview.php?id=204&wik=440907a287eb12933db6fe98d9e2d7e064a&wikas=XYJRCalsDEYm/Bohs2/QDQ=AJZm2FoshQYI/EvWQKIMMzBwwQe8uCAy9fRnalsAZmeWwQeK1J2h8C8yT0kmQcIaTnHC1A6tYab1kIuvVbbMvISRQnH4s83s/WNAac6b85Gf7PBz3ZJ22qZAZb19u8CZEGuqb8cWpwaVwG/x=QI=&wshk=7b079717fb93240639e3607e68f285cfaa	5
13	2016	Premiere articol ISI "Real-Time Detection and Measurement of Eye Features from Color Images", Sensors 2016, https://uefiscdi.ro/preview.php?id=192&wik=cd701d8063e376872815035db172209673f5528&wikas=XYJRCalsDEYm/Bohs2/QDQ=AJZm2FoshQYI/EvWQKIMMzBwwQe8uCAy9fRnalsAZmeWwQeK1J2h8C8yT0kmQcIaTnHC1A6tYab1kIuvVbbMvISRQnH4s83s/WNAac6b85Gf7PBz3ZJ22qZAZb19u8CZEGuqb8cWpwaVwG/x=QI=&wshk=478d8e3602b6c664580544a2ca374df	5

Total punctaj A3.4.2.

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