

**AVIZ INDEPLINIRE STANDARDE MINIMALE**

In urma analizei dosarului de concurs depus de candidatul TAMAS LEVENTE
pentru postul **Profesor pozitia 12** din Statul de functii al Departamentului de AUTOMATICA.

Comisia de verificare apreciaza ca SUNT indeplinite standardele minimale pentru participarea la
concurs.

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

Comisia de verificare

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

Candidat

Domeniul

Calculatoare si Tehnologia Informatiei; Ingineria Sistemelor

Nr. Crt.	Domeniul activ.	Criteriu	Subcategorii	Indicatori (kpi)	Numar	Punctaj	
1	Activitatea didactica si profesionala (A1)	Carti de autor sau capitole [1] de specialitate la Material didactic / edituri ISI / ASPN / edituri cu ISBN	A1.1.1. Internationale A1.1.2. Nationale A1.2.1	50/nr autori sau 100/nr. autori cu condit[ia]2) 50/nr autori 40/nr autori	6 0 1	168.33 0.00 13.33	
Total punctaj A(1)						181.67	
2	Activitatea de cercetare (A2)	Articole in reviste cotate ISI, si lucrari in volumele unor manifestari stiintifice indexate ISI	A2.1	(25 + 30 * factor impact [3]) / nr. de autori	42	1046.89	
		Articole in reviste si in volumele unor manifestari stiintifice indexate in alte baze de date internationale recunoscute (BDI)[4]	A2.2	20 / nr. de autori	6	54.00	
		Proprietate intelectuala, brevete de inventie, certificate ORDA	A2.3.1 Internationale A2.3.2 nationale	35 / nr. de autori 25 / nr. de autori	0 0	0.00 0.00	
		Granturi/proiecte de cercetare castigate prin competitie [6] sau Contracte cu agentii economici, in valoare de minimum 10.000 dolari USA echivalent incasati [6]	Director / responsabil Membru in echipa	A2.4.1.1 Internationale A2.4.1.2 nationale A2.4.2.1 Internationale A2.4.2.2 nationale	20 * ani de desfasurare 10 * ani de desfasurare 4 * ani de desfasurare 2 * ani de desfasurare	1 4 2 4	20.00 95.00 36.00 22.00
Total punctaj A(2)						1273.89	
3	Recunoasterea si impactul activitatii (A3)	Citari [7] in carti, reviste si volume ale unor manifestari stiintifice	A3.1.1 carti, ISI [8] A3.1.2 BDI [4]	8 / nr aut art. citat 4 / nr aut art. citat	50 17	136.75 18.67	
		Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice	A3.2		2	20.00	
		Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice internationale indexate BDI [4]	A3.3		0	0.00	
		Premii in domeniu conferite de Academia Romana, ASTR, AOSR, sau premii internationale de prestigiu.	A3.4		0	0.00	
Total punctaj A(3)						175.41	

Conditii minimele			
Nr.	Domeniul de activitate (A)	Profesor	Realizat
A1	Activitatea didactica / profesionala (A1)	100	181.67
A2	Activitatea de cercetare (A2)	600	1273.89
A3	Recunoasterea impactului activitatii (A3)	150	175.41
Total (A)		850	1630.96
Conditii minimele obligatorii pe subcategorii			
A1.1.1.-A1.1.2		Profesor	Realizat
Carti si capitole in carti de specialitate		1	6.00
A2.1.	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	15 din care minimum 3 in reviste cotate ISI Q1 sau Q2[10]	42.00
A2.4.1	Granturi/proiecte castigate prin competitie (Director/ responsabil) sau contracte cu agentii economici in valoare de minim 10.000 de USD sau echivalent incasati	2	5.00
A3.1.1	Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI [11]	25	50.00
	Factor de impact ISI cumulat pentru publicatii [12]	10	20.88
	Nr Minim Reviste ISI in zona Q1/Q2	3	9.00

Autor

Levente Tamas

Data

06.06.2023

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	Nr aut.	Nat/Int.	Punctaj
1	L. Tamas & Z. Szekely	"Feedback Signals Estimation of an Induction Drive with Application to a Small Wind Turbine Generator", chapter printed in "Renewable Energy", ISBN 978-953-7619-X-X	InTech	2009	2	International	25.00
2	L. Tamas, Gh. Lazea, A. Majdik, M. Popa, I. Szoke:	Position Estimation Techniques for Mobile Robots, RoMoCo09, Poznan, Poland, chapter published in Springer Verlag volume LNCS, ISBN: 978-1-64882-984-8, 2009	Springer, LNCS	2009	5	International	10.00
3	L. Tamas	Sensor Fusion Based Position Estimation for Mobile Robots From multi-sensor data to digital maps, ISBN-10: 9783659305023	Lap Lambert	2012	1	International	50.00
4	Elod Pall, Levente Tamas, Lucian Busoni	Structured Environments", in Handling Uncertainty and Networked Structure . in Robot Control, Springer 2015, ISBN 978-3-319-26327-4, chapter.	Springer, SSDC	2015	3	International	16.67
5	Robert Frohlich, Levente Tamas, Zoltan Kato	"Monography Estimation between Omnidirectional Cameras Without Point Correspondences+829", in Handling Uncertainty and Networked Structure . in Robot Control, Springer 2015, ISBN 978-3-319-26327-4, chapter.	Springer, SSDC	2015	3	International	16.67
6	C. Amandine, Levente Tamas	"One Object" in Digital Techniques for Documenting and Preserving Cultural Heritage, Arc Humanities Press, 2017, ISBN-13: 9781947403266, chapter.	Arc Humanities Press	2017	2	International	25.00
7	Szilárd Molnar, Levente Tamas	Representation Learning for Point Clouds with Variational Autoencoders	Springer, LNCS	2022	2	International	25.00
Total							168.33

A1.2.1. Materiale didactice

1	L. Tamas, I. Muntean, E. Pal	Hydraulic and Pneumatic Control Equipments, online: http://rrg.utcluj.ro/eahp/HPCElab.pdf ISBN 978-606-737-031-7	UT Press	2015	3	National	13.333333333333
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Anexa: datele pentru calculul indeplinirii criteriilor

A2.1. Articole in reviste cotate si indexate ISI proceedings

Nr.	Autori	Titlu articol/jurnal	Factor Impact	Nr. Aut	Punctaj	ISI Q
1	Pop, Alexandru; Domsa, Victor; Tamas, Levente	Rotation Invariant Graph Neural Network for 3D Point Clouds	5.349	3	61.82	Q1
2	Kelenyi, Benjamin; Tamas, Levente	D3GATTEN: Dense 3D Geometric Features Extraction and Pose Estimation	3.47	2	64.55	Q2
3	Sz Molnar, B Kelenyi, I Tamas	Feature pyramid network based efficient normal estimation and filtering for time-of-flight depth cameras, Sensors, 2021	3.5	3	43.33	Q1
4	R Frohlich, L Tamas, Z Kato	Absolute pose estimation of central cameras using planar regions IEEE transactions on pattern analysis and machine intelligence	17	3	178.33	Q1
5	A Blaga, C Militaru, AD Mezei, L Tamas	Augmented reality integration into MES for connected workers Robotics and Computer-Integrated Manufacturing 68, 102057,	5	4	43.75	Q1
6	AD Mezei, L Tamas, L Busoni	Sorting Objects from a Conveyor Belt Using POMDPs with Multiple-Object Observations and Information-Gain Rewards Sensors 20 (9), 2481	3	3	38.33	Q1
7	Mitre, Delia; Tamas, Levente	"Manufacturing Execution System Specific Data Analysis-Use Case With a Cobot", 2018, IEEE Access, 2169-3536, 2018, vol 6, Q1 in COMPUTER SCIENCE, INFORMATION SYSTEMS, IF (2018) 4,098	4.098	2	73.97	Q1
8	Tamas, Levente; Goron, Lucian Cosmin	"3D semantic interpretation for robot perception inside office environments", ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE Volume: 32 Pages: 76-87 Published: JUN 2014 (952-1976, Q1 in ENGINEERING, MULTIDISCIPLINARY, IF (2018) 3.526	3.526	2	65.39	Q1
9	Tamas Levente, Mircea Murar	"Smart CPS: vertical integration overview and user story with a cobot", INTERNATIONAL JOURNAL OF COMPUTER INTEGRATED MANUFACTURING, 0951-192X, Volume: 32 Issue: 4-5 Special Issue: SI Pages: 504-521 Published: MAY 4 2019, Q2 in OPERATIONS RESEARCH &	2.09	2	43.85	Q2
10	Majdik, Andras L; Szoke, Istvan; Popa, Mircea; Tamas, Levente; Lazea, Gheorghe	"Mapping Techniques for AMPLIE, an Autonomous Security Mobile Robot", CONTROL ENGINEERING AND APPLIED INFORMATICS Volume: 13 Issue: 1 Pages: 18-24 Published: MAR 2011, Q4 in AUTOMATION & CONTROL SYSTEMS, IF (2018) 0.583	0.583	5	8.50	Q4
11	Tamas, L.; Popa, M.; Lazea, Gh.; Szoke, I.; Majdik, A.	Lidar and Vision Based People Detection and Tracking, CONTROL ENGINEERING AND APPLIED INFORMATICS Volume: 12 Issue: 2 Pages: 30-35 Published: JUN 2010, Q4 in AUTOMATION & CONTROL SYSTEMS, IF (2018) 0.583	0.583	5	8.50	Q4
Factor Impact cumulat (reviste)			10.88			
Total punctaj A2.1.1					630.33	

A2.1. Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings

Nr.	Autori	Titlu lucrare / revista (conferinta)	Factor Impact	Nr. Aut	Punctaj
1	Pop, Marian-Leontin and Tamas, Levente	MPI Planar Correction of Pulse Based ToF Cameras	0.25	2	16.25
2	Kelenyi, Benjamin ; Molnar, Szilard ; Tamas, Levente	3D Object Recognition using Time of Flight Camera with Embedded GPU on Mobile Robots	0.25	3	10.83
3	Pop, Alexandru and Tamas, Levente	Next best view estimation for volumetric information gain	0.25	2	16.25
4	Maer, Vicu-Mihalis ; Tamas, Levente ; Busoni, Lucian	Underwater Robot Pose Estimation Using Acoustic Methods and Intermittent Position Measurements at the Surface	0.25	3	10.83
5	Mezei, Ady-Daniel; Tamas, Levente; Busoni, Lucian	"Sorting objects from a conveyor belt using active perception with a POMDP model", Conference: 18th European Control Conference (ECC) Location: Naples, ITALY Date: JUL 25-28, 2019 Sponsor(s): Unv Napoli Federico II; Univ Sannio Benevento 2019 18TH EUROPEAN CONTROL CONFERENCE (ECC) Pages: 2455-2471 Published: 2019	0.25	3	10.83
6	Marton, Lorinc ; Tamas, Levente	"Wireless Data Rate Controller Design for Networked Control Applications", Conference: 26th Mediterranean Conference on Control and Automation (MED) Location: Zadar, CROATIA Date: JUN 19-22, 2018 Sponsor(s): Mediterranean Control Assoc; KoREMA Croatian Soc Communications Comp Electron Measurement & Control; IEEE; IEEE Robot & Automat Soc; IEEE Control Syst Soc 2018 26TH MEDITERRANEAN CONFERENCE ON CONTROL AND AUTOMATION (MED) Book Series:	0.25	2	16.25
7	Blaga, Andreea ; Tamas, Levente	"Augmented Reality for Digital Manufacturing", Conference: 26th Mediterranean Conference on Control and Automation (MED) Location: Zadar, CROATIA Date: JUN 19-22, 2018 Sponsor(s): Mediterranean Control Assoc; KoREMA Croatian Soc Communications Comp Electron Measurement & Control; IEEE; IEEE Robot & Automat Soc; IEEE Control Syst Soc 2018 26TH MEDITERRANEAN CONFERENCE ON CONTROL AND AUTOMATION (MED) Book Series: Mediterranean Conference on Control and	0.25	2	16.25
8	Fulop, Andreea-Orsolya ; Tamas, Levente	"Lessons Learned from Lightweight CNN Based Object Recognition for Mobile Robots", 2018 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR) Book Series: IEEE International Conference on Automation Quality and Testing Robotics Published: 2018	0.25	2	16.25
9	Frohlich, Robert ; Kato, Zoltan ; Tremeau, Alain; Tamas, Levente; Shabo, Shadi; Waksman, Yon	"Region Based Fusion of 3D and 2D Visual Data for Cultural Heritage Objects", 2016 23RD INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION (ICPR) Book Series: International Conference on Pattern Recognition Pages: 2404-2409 Published: 2016	0.25	6	5.42
10	Pall, Elod ; Tamas, Levente ; Busoni, Lucian	"Analysis and a home assistance application of online AEMS2 planning", 2016 IEEE/RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS (IROS 2016) Pages: 5013-5019 Published: 2016	0.25	3	10.83
11	Mezei, Ady-Daniel ; Tamas, Levente	"Active Perception for Object Manipulation", 2016 IEEE 12TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING (ICCP) Book Series: IEEE International Conference on Intelligent Computer Communication and Processing ICCP Pages: 269-274	0.25	2	16.25
12	Militaru, Cristian ; Mezei, Ady-Daniel ; Tamas, Levente	"Object Handling in Cluttered Indoor Environment with a Mobile Manipulator", PROCEEDING OF 2016 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR) Book Series: IEEE International Conference on Automation Quality and Testing Robotics Pages: 487-492 Published: 2016	0.25	3	10.83
13	Tamas, Levente ; Frohlich, Robert ; Kato, Zoltan	"Relative Pose Estimation and Fusion of Omnidirectional and Lidar Cameras", COMPUTER VISION - ECCV 2014 WORKSHOPS, PT II Book Series: Lecture Notes in Computer Science Volume: 8926 Pages: 640-651 Published: 2015	0.25	3	10.83
14	Kato, Zoltan ; Tamas, Levente	"Relative Pose Estimation and Fusion of 2D Spectral and 3D Lidar Images", COMPUTATIONAL COLOR IMAGING, CCIV 2015 Book Series: Lecture Notes in Computer Science Volume: 9016 Pages: 33-42 Published: 2015	0.25	2	16.25
15	Bulezyuk, Alexander ; Tamas, Levente	"Visual Tracking with a Small Scale Aircraft", 2015 16TH IEEE INTERNATIONAL SYMPOSIUM ON COMPUTATIONAL INTELLIGENCE AND INFORMATICS (CINTI) Book Series: International Symposium on Computational Intelligence and Informatics Pages: 349-354 Published: 2015	0.25	2	16.25

12	Pall, Elod ; Mathe, Koppány ; Tamas, Levente; Busoni, Lucian	"Railway Track Following with the AR.Drone Using Vanishing Point Detection", 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS Book Series: IEEE International Conference on Automation Quality and Testing Robotics, Published: 2014	0.25	4	8.13
13	Boochs, Frank ; Bentkowska-Kafel, Anna ; Degryny, Christian; Karaszewski, Maciej; Karmacharya, Ashish; Kato, Zoltan; Picollo, Marcello; Sitnik, Robert; Tremreau, Alain; Tsiafaki, Despoina; Tamas, Levente	"Colour and Space in Cultural Heritage: Key Questions in 3D Optical Documentation of Material Culture for Conservation, Study and Preservation", DIGITAL HERITAGE: PROGRESS IN CULTURAL HERITAGE: DOCUMENTATION, PRESERVATION, AND PROTECTION Book Series: Lecture Notes in Computer Science Volume: 8740 Pages: 11–24 Published: 2014	0.25	11	2.95
14	Marton, Lorinc ; Szanto, Zoltan ; Vajda, Tamas; Haller, Piroška; Sandor, Hunor; Szabo, Tamas; Tamas, Levente	"Communication Delay and Jitter Influence on Bilateral Teleoperation", 2014 22ND MEDITERRANEAN CONFERENCE ON CONTROL AND AUTOMATION (MED) Book Series: Mediterranean Conference on Control and Automation Pages: 1171–1176 Published: 2014	0.25	7	4.64
15	Tamas, Levente ; Jensen, Bjoern	"Robustness Analysis of 3D Feature Descriptors for Object Recognition Using a Time-of-Flight Camera", 2014 22ND MEDITERRANEAN CONFERENCE ON CONTROL AND AUTOMATION (MED) Book Series: Mediterranean Conference on Control and Automation Pages: 1020–1025 Published: 2014	0.25	2	16.25
16	Tamas, Levente ; Kato, Zoltan	"Targetless Calibration of a Lidar - Perspective Camera Pair", 2013 IEEE INTERNATIONAL CONFERENCE ON COMPUTER VISION WORKSHOPS (ICCVW) Pages: 668–675 Published: 2013	0.25	2	16.25
17	Tamas, Levente ; Lazea, Gheorghe	"3D Non-Contact Building Survey Technique", INTERDISCIPLINARY RESEARCH IN ENGINEERING: STEPS TOWARDS BREAKTHROUGH INNOVATION FOR SUSTAINABLE DEVELOPMENT Book Series: Advanced Engineering Forum Volume: 8–9 Pages: 584–592 Published: 2013	0.25	2	16.25
18	Lucian Cosmin ; Tamas, Levente ; Lazea, Gheorghe	"Classification within Indoor Environments using 3D Perception", 2012 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, THETA 18TH EDITION Book Series: IEEE International Conference on Automation Quality and Testing Robotics Pages: 400–405 Published: 2012	0.25	3	10.83
19	Marcu, C. ; Herle, S. ; Tamas, L.; Lazea, Gh	"Video based Control of a 6 Degrees-of-Freedom Serial Manipulator", 2012 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, THETA 18TH EDITION Book Series: IEEE International Conference on Automation Quality and Testing Robotics Pages: 417–421 Published: 2012	0.25	4	8.13
20	Majdik, Andras L. ; Tamas, Levente ; Popa, Mircea; Szoke, Istvan; Lazea, Gheorghe	"Visual Odometry System to Build Feature Based Maps for Mobile Robot Navigation", 18TH MEDITERRANEAN CONFERENCE ON CONTROL AND AUTOMATION Book Series: Mediterranean Conference on Control and Automation Pages: 1200–1205 Published: 2010	0.25	5	6.50
21	Goron, L. C. ; Tamas, L. ; Reti, I.; Lazea, G	"3D Laser Scanning System and 3D Segmentation of Urban Scenes", PROCEEDINGS OF 2010 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR 2010), VOLS. 1-3 Book Series: IEEE International Conference on Automation Quality and Testing Robotics, Published: 2010	0.25	4	8.13
22	Majdik, A. L. ; Szoke, I. ; Tamas, L.; Popa, M.; Lazea, Gh	"Laser and vision based map building techniques for mobile robot navigation", PROCEEDINGS OF 2010 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR 2010), VOLS. 1-3 Book Series: IEEE International Conference on Automation Quality and Testing Robotics, Published: 2010	0.25	5	6.50
23	Tamas, Levente ; Lazea, Gheorghe ; Popa, Mircea; Szoke, Istvan; Majdik, Andras	"Laser Based Localization Techniques for Indoor Mobile Robots", AT-EQUAL 2009: 2009 ECSIS SYMPOSIUM ON ADVANCED TECHNOLOGIES FOR ENHANCED QUALITY OF LIFE: LAB-RS AND ARTIPED 2009 Pages: 169–170 Published: 2009	0.25	5	6.50
24	M Popa, G Lazea, A Majdik, L Tamas, I Szoke	"An Effective Method for People Detection in Grayscale Image Sequences", 2009 IEEE 5TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS Book Series: IEEE International Conference on Intelligent Computer Communication and Processing ICCP Pages: 181–184 Published: 2009	0.25	5	6.50
25	Tamas, Levente ; Popa, Mircea ; Lazea, Gheorghe	"PATTERN RECOGNITION FROM LIDAR FOR DYNAMIC OBJECT DETECTION", Annals Of Daaam For 2009 Book Series: Annals of Daaam and Proceedings Volume: 20 Pages: 549–550 Published: 2009	0.25	3	10.83
26	Majdik, Andras ; Tamas, Levente ; Lazea, Gheorghe	"FAST POINT CLOUD REGISTRATION ALGORITHM TO BUILD 3D MAPS FOR ROBOT NAVIGATION", Annals Of Daaam For 2009 Book Series: Annals of Daaam and Proceedings Volume: 20 Pages: 933–934 Published: 2009	0.25	3	10.83
27	Szoke, Istvan ; Lazea, Gheorghe ; Tamas, Levente; Popa, Mircea; Majdik, Andras	"Path Planning and Dynamic Objects Detection", ICAR: 2009 14TH INTERNATIONAL CONFERENCE ON ADVANCED ROBOTICS, VOLS 1 AND 2 Pages: 772–777 Published: 2009	0.25	5	6.50
28	Szoke, Istvan ; Lazea, Gheorghe ; Tamas, Levente; Popa, Mircea; Majdik, Andras	"PATH PLANNING WITH MARKOVIAN PROCESSES", ICINCO 2009: PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON INFORMATICS IN CONTROL, AUTOMATION AND ROBOTICS, VOL 2: ROBOTICS AND AUTOMATION Pages: 479–482 Published: 2009	0.25	5	6.50
29	Tamas, Levente ; Lazea, Gheorghe ; Majdik, Andras; Popa, Mircea; Szoke, Istvan	"Position Estimation Techniques for Mobile Robots", ROBOT MOTION AND CONTROL 2009 Book Series: Lecture Notes in Control and Information Sciences Volume: 396 Pages: 319–328 Published: 2009	0.25	5	6.50
30	Tamas, L. ; Lazea, Gh. ; Robotin, R.; Marcu, C.; Herle, S.; Szekely, Z	"State estimation based on Kalman filtering techniques in navigation", 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR 2008), THETA 16TH EDITION, VOL II, PROCEEDINGS Pages: 147–152 Published: 2008	0.25	6	5.42
31	Herle, S. ; Raica, Paula ; Lazea, Gh.; Robotin, R.; Marcu, C.; Tamas, L	"Classification of surface electromyographic signals for control of upper limb virtual prosthesis using time-domain features", 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR 2008), THETA 16TH EDITION, VOL III, PROCEEDINGS Pages: 160–165 Published: 2008	0.25	6	5.42
32	Tamas, L. ; Szekely, Z.	"Modeling and simulation of an induction drive with application to a small wind turbine generator", 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR 2008), THETA 16TH EDITION, VOL III, PROCEEDINGS Pages: 429–433 Published: 2008	0.25	2	16.25
33	Marcu, C. ; Lazea, Gh. ; Robotin, R.; Herle, S.; Tamas, L	"Industrial robot controller using miniature computers", 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR 2008), THETA 16TH EDITION, VOL II, PROCEEDINGS Pages: 341–344 Published: 2008	0.25	5	6.50
34	Lazea, Gh. ; Robotin, R. ; Herle, S.; Marcu, C.; Tamas, L	"Mobile robots formation navigation with behavior based algorithms", 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR 2008), THETA 16TH EDITION, VOL II, PROCEEDINGS Pages: 388–391 Published: 2008	0.25	5	6.50
35	Tamas, Levente ; Lazea, Gheorghe ; Robotin, Radu; Marcu, Cosmin; Majdik, Andra	"MOBILE ROBOT POSITION ESTIMATION BASED ON MULTI SENSORS FUSION", Annals Of Daaam For 2008 &, Book Series: Annals of Daaam and Proceedings Pages: 1351–1352 Published: 2008	0.25	5	6.50
36	Tamas, Levente ; Nascu, Ioan ; De Keyser, Robin	"The NEPSAC nonlinear predictive controller in a real life experiment", INES 2007: 11TH INTERNATIONAL CONFERENCE ON INTELLIGENT ENGINEERING SYSTEMS, PROCEEDINGS Book Series: International Conference on Intelligent Engineering Systems Pages: 229–232 Published: 2007	0.25	3	10.83
Factor Impact cumulat (conferinte)			10		

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. Aut.	Punctaj
1	L. Tamas, A. Majdik	"Heterogeneous Feature Based Correspondence Estimation", 2012 IEEE International Conference on Multisensor Fusion and Integration, Hamburg, Germany	IEEEExplore	2	10.00
2	M. Duca, L. Tamas	"Development of an Operation Training System - a Case Study", 14th IFAC Proceedings Volumes Volume 45, Issue 6, 23-25 May 2012, Pages 1622-1627	IFAC	2	10.00
3	L. Tamas, C. Marcu	"Detection and Tracking Experiment Design in Various Environments", 2011 15th International Conference on Advanced Robotics (ICAR), pp 180-185	IEEEExplore	2	10.00
4	L. Tamas, Gh. Lazea	"Pattern recognition and tracking dynamic objects with LIDAR", ISR 2010 (41st International Symposium on Robotics) and ROBOTIK 2010, Munich, Germany	IEEEExplore	2	10.00
5	A. Majdik, M. Popa, L. Tamas, I. Szoke, Gh. Lazea	"New Approach in Solving the Kidnapped Robot Problem", ISR 2010 (41st International Symposium on Robotics) and ROBOTIK 2010, Munich, Germany	IEEEExplore	5	4.00
6	L. Busoni, L. Tamas	"Optimistic Planning for the Near-Optimal Control of General Nonlinear Systems with Continuous Transition Distributions", IFAC Proceedings Volumes Volume 47, Issue 3, 2014, Pages 1910-1915	IFAC	2	10.00
Total punctaj A2.2.2					54.00

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

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	National	"Sensor Fusion for Position Estimation", grant CNCIS PN II tip BD, proiect 288/2007, valoare proiect 18000 lei	2007	1	10
2	National	"Mobile Robot Navigation Based on Sensor Fusion", PN II - RESURSE UMANE - TD - COMPETITIA 2008, proiect 213/2008, valoare 42500 lei	2008-2009	2	20
3	National	"Tehnici de percepție activă pentru manipularea flexibilă a obiectelor în fabricația inteligentă", PN-III-P2-2.1-BG-2016-0140, proiect BG39/2016 valoare 460000RON	2016-2018	2	20
4	National	"Recunoaștere de obiecte 3D cu roboți mobili", PN-III-P2-2.1-CI-2017-0676, proiect CI125/2017, valoare 11000 EUR	2017	0.5	5
5	International	"ROS2AR" proiect de tip ROSIN din cadrul programului H2020, numar contract ROS2AR/2019, valoare cofinantata 25597 EUR, responsabil UTCN (https://www.rosin-project.eu/ftp/ros2ar)	2019-2020	1	20
6	National	"TRAI: Servicii de transfer de cunoștințe pentru sisteme de percepție 3D bazate pe AI" proiect de tip PN2-PED, numar PN-III-P2-2.1-PTE-2019-0367, valoare 180000EUR, responsabil UTCN	2020-2022	2	20
7	National	"VinEye: cartografierea colaborativă a viilor cu roboți autonomi", proiect de tip PN2-PED cu numar PN-III-P2-2.1-PED-2021-3120, valoare 120000EUR, directr proiect	2022-2024	2	20
Total National					95
Total International					20
Total punctaj A2.4.1					115

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

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	National	"ArhiFax - 3D Urban Modeling", proiect de tip POSTDRU, 4D postdoc, cod POSDRU/89/1.5/5/52603, perioada 2010-2013, valoare totala proiect 20,941,500 lei, membru postdoc, valoare grant postdoc 38000 EUR	2010-2012	2	4
2	National	"Development of Multisensory perception systems and sensor data fusion for mobile robots", Contract 24/2007 Tema A8 -CNCISJ tip A cod1549 (2007-2008), director Gheorghe Lazea.	2007-2008	2	4
3	International	"3D Reconnaissance", proiect postdoc SCIEI-UEFISCDI (7 th call from 2012), proiect nr. 12.239/2013 valoare grant postdoc 100000 CHF,	2013-2014	1	4
4	National	"Reinforcement Learning and Planning for Large-Scale Systems", PNII-RU-TE-2012-3-0040, contract nr 58/2013, perioada 2013-2016, director proiect Lucian Busoni	2013-2016	4	8
5	International	SeaClear	2020-2023	4	16
6	International	"Beyond Point-based Geometric Alignment, Fusion, 3D Reconstruction and Recognition of Visual Objects", OTKA 120367 din 2016 - International (consortiu), director proiect Zoltan Kato, perioada 2017-2021	2017-2021	4	16
7	National	"A learning aerial guide for the elderly and disabled", cod proiect PN-III-P1-1.1-TE-2016-0670, contract 9/2018, director proiect Lucian Busoni, perioada 2018-2020	2018-2020	3	6
Total national					22
Total international					36
Total punctaj A2.4.2					58

A3.1.1. Citări în carti, reviste și volume ale unor manifestări științifice (carti, ISI)

Nr.	Articol citat	Articol care citeaza	Numar au	Punctaj
1	Tamas, L.; Popa, M.; Lazea, Gh.; Szoke, I.; Majdik, A.; Lidar and Vision Based People Detection and Tracking. CONTROL ENGINEERING AND ROBOTICS, 2012, 1(1), 1-8.	Chen, SY: Kalman Filter for Robot Vision: A Survey	5	1.6
2	Herle, S.; Raica, Paula; Lazea, Gh.; Robotin, R.; Marcu, C.; Tamas, L.: Classification of surface electromyographic signals for control of upper limb virtual prosthesis using time-domain features. 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2008, 1, 1-6.	Zhao, H; Wang, ZY: Motion Measurement Using Inertial Sensors, Ultrasonic Sensors, and Magnetometers With Extended Kalman Filter for Data Fusion	6	1.333333
3	Herle, S.; Raica, Paula; Lazea, Gh.; Robotin, R.; Marcu, C.; Tamas, L.: Classification of surface electromyographic signals for control of upper limb virtual prosthesis using time-domain features. 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2008, 1, 1-6.	Goel, PK; Singh, B; Murthy, SS; Kishore, N: Isolated Wind-Hydro Hybrid System Using Cage Generators and Battery Storage	6	1.333333
4	Herle, S.; Raica, Paula; Lazea, Gh.; Robotin, R.; Marcu, C.; Tamas, L.: Classification of surface electromyographic signals for control of upper limb virtual prosthesis using time-domain features. 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2008, 1, 1-6.	Hakonen, M; Piitulainen, H; Visala, A: Current state of digital signal processing in myoelectric interfaces and related applications	6	1.333333
5	Tamas, Levente; Nascu, Ioan; De Keyser, Robin: The NEPSAC nonlinear predictive controller in a real life experiment. INES 2007: 11TH INTERNATIONAL CONFERENCE ON INTELLIGENT ENGINEERING	Hermanto, MW; Chiu, MS; Braatz, RD: Nonlinear Model Predictive Control for the Polymorphic Transformation of L-Glutamic Acid Crystals	3	2.666667
6	Goron, Lucian Cosmin; Tamas, Levente; Lazea, Gheorghe: Classification within Indoor Environments using 3D Perception. 2012 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2012, 1, 1-6.	Adan, A; Quintana, B; Prieto, SA; Bosche, F: An autonomous robotic platform for automatic extraction of detailed semantic models of buildings	3	2.666667
7	Tamas, Levente; Goron, Lucian Cosmin: 3D semantic interpretation for robot perception inside office environments. ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, 2014, 28, 1-12.	Kostavelis, I; Charalampous, K; Gasteratos, A; Tsotsos, JK: Robot navigation via spatial and temporal coherent semantic maps	2	4
8	Tamas, L.; Lazea, Gh.; Robotin, R.; Marcu, C.; Herle, S.; Szekely, Z.: State estimation based on Kalman filtering techniques in navigation. 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2008, 1, 1-6.	Cela, A; Yebes, JJ; Arroyo, R; Bergasa, LM; Barea, R; Lopez, E: Complete Low-Cost Implementation of a Teleoperated Control System for a Humanoid Robot	6	1.333333
9	Goron, Lucian Cosmin; Tamas, Levente; Lazea, Gheorghe: Classification within Indoor Environments using 3D Perception. 2012 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2012, 1, 1-6.	Quintana, B; Prieto, SA; Adan, A; Bosche, F: Door detection in 3D coloured point clouds of indoor environments	3	2.666667
10	Pall, Elod; Mathe, Koppány; Tamas, Levente; Busoniu, Lucian: Railway Track Following with the AR.Drone Using Vanishing Point Detection. 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2014, 1, 1-6.	Mathe, K; Busoniu, L; Barabás, I; Iuga, CI; Miclea, L; Braband, J: Vision-based Control of a Quadrotor for an Object Inspection Scenario	4	2
11	Tamas, L.; Popa, M.; Lazea, Gh.; Szoke, I.; Majdik, A.; Lidar and Vision Based People Detection and Tracking. CONTROL ENGINEERING AND ROBOTICS, 2012, 1(1), 1-8.	Mancini, A; Frontoni, E; Zingaretti, P: Embedded Multisensor System for Safe Point-to-Point Navigation of Impaired Users	5	1.6
12	Pall, Elod; Mathe, Koppány; Tamas, Levente; Busoniu, Lucian: Railway Track Following with the AR.Drone Using Vanishing Point Detection. 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2014, 1, 1-6.	He, DP; Ai, B; Guan, K; Garcia-Loygorri, JM; Tian, L; Zhong, ZD; Hrovat, A: Influence of Typical Railway Objects in a mmWave Propagation Channel	4	2
13	Tamas, Levente; Kato, Zoltan: Targetless Calibration of a Lidar - Perspective Camera Pair. 2013 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2013, 1, 1-6.	Taylor, Z; Nieto, J: Motion-Based Calibration of Multimodal Sensor Extrinsic and Timing Offset Estimation	2	4
14	Pall, Elod; Mathe, Koppány; Tamas, Levente; Busoniu, Lucian: Railway Track Following with the AR.Drone Using Vanishing Point Detection. 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2014, 1, 1-6.	Hackl, J; Adey, BT; Wozniak, M; Schumperlin, O: Use of Unmanned Aerial Vehicle Photogrammetry to Obtain Topographical Information to Improve Bridge Risk Assessment	4	2
15	Tamas, Levente; Kato, Zoltan: Targetless Calibration of a Lidar - Perspective Camera Pair. 2013 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2013, 1, 1-6.	Ding, L; Sharma, G: FUSING STRUCTURE FROM MOTION AND LIDAR FOR DENSE ACCURATE DEPTH MAP ESTIMATION	2	4
16	Frolich, Robert; Kato, Zoltan; Tremereau, Alain; Tamas, Levente; Shabo, Shadi; Waksman, Yona: Region Based Fusion of 3D and 2D Visual Data for Cultural Heritage Objects. 2016 23RD INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2016, 1, 1-6.	Pustzai, Z; Hajder, L: Accurate Calibration of LIDAR-Camera Systems using Ordinary Boxes	6	1.333333
17	Tamas, L.; Popa, M.; Lazea, Gh.; Szoke, I.; Majdik, A.; Lidar and Vision Based People Detection and Tracking. CONTROL ENGINEERING AND ROBOTICS, 2012, 1(1), 1-8.	Mancini, A; Frontoni, E; Zingaretti, P: Mechatronic System to Help Visually Impaired Users During Walking and Running	5	1.6
18	Marcu, C.; Lazea, Gh.; Robotin, R.; Herle, S.; Tamas, L.: Industrial robot controller using miniature computers. 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS	Gao, YZ; Du, ZJ; Gao, XS; Su, YY; Mu, Y; Sun, LN; Dong, W: Implementation of open-architecture kinematic controller for articulated robots under ROS	5	1.6
19	Majdik, Andras L.; Szoke, Istvan; Popa, Mircea; Tamas, Levente; Lazea, Gheorghe: Mapping Techniques for AMPL, an Autonomous Security	Dincmen, E: Design of a global extremum seeking algorithm for an omni-directional robot model	5	1.6
20	Kato, Zoltan; Tamas, Levente: Relative Pose Estimation and Fusion of 2D Spectral and 3D Lidar Images. COMPUTATIONAL COLOR IMAGING	Pujol-Miro, A; Ruiz-Hidalgo, J; Casas, JR: Registration of Images to Unorganized 3D Point Clouds Using Contour Cues	2	4
21	Tamas, Levente; Kato, Zoltan: Targetless Calibration of a Lidar - Perspective Camera Pair. 2013 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2013, 1, 1-6.	Xiao, ZP; Li, HD; Zhou, DF; Dai, YC; Dai, B: Accurate Extrinsic Calibration between Monocular Camera and Sparse 3D Lidar Points without Markers	2	4
22	Tamas, Levente; Kato, Zoltan: Targetless Calibration of a Lidar - Perspective Camera Pair. 2013 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2013, 1, 1-6.	Chien, HJ; Klette, R; Schneider, N; Franke, U: Visual Odometry Driven Online Calibration for Monocular LIDAR-Camera Systems	2	4
23	Herle, S.; Raica, Paula; Lazea, Gh.; Robotin, R.; Marcu, C.; Tamas, L.: Classification of surface electromyographic signals for control of upper limb virtual prosthesis using time-domain features. 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2008, 1, 1-6.	Herle, S: Movement intention detection from SEMG signals using time-domain features and discriminant analysis classifiers	6	1.333333
24	Tamas, Levente; Goron, Lucian Cosmin: 3D semantic interpretation for robot perception inside office environments. ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, 2014, 28, 1-12.	Perez-Gallardo, Y; Crespo, AG; Cuadrado, JLI; Carrasco, IG: MESSRS: A model-based 3D system for recognition, semantic annotation and calculating the spatial relationships of a factory's digital facilities	2	4
25	Pall, Elod; Mathe, Koppány; Tamas, Levente; Busoniu, Lucian: Railway Track Following with the AR.Drone Using Vanishing Point Detection. 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2014, 1, 1-6.	Liu, HJ; Wang, CL; Yang, JY: Vanishing points estimation and road scene understanding based on Bayesian posterior probability	4	2
26	Tamas, L.; Lazea, Gh.; Robotin, R.; Marcu, C.; Herle, S.; Szekely, Z.: State estimation based on Kalman filtering techniques in navigation. 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2008, 1, 1-6.	Marton, L; Nagy, C; Biro-Ambrus, Z: Robust Trilateration Based Indoor Localization Method for Omnidirectional Mobile Robots	6	1.333333
27	Boochs, Frank; Berowska-Kiel, Anna; Desgrigny, Christian; Karaszewski, Maciej; Karmacharya, Ashish; Kato, Zoltan; Picollo, Marcello; Sitnik, Robert; Tremereau, Alain; Tsifaki, Despoina; Tamas, Levente: Colour and Space in Cultural Heritage: Key Questions in 3D Optical Documentation of Material Culture for Conservation, Study	Barberis, E; Mangano, E; Manfredi, M: Quantitative Imaging to Study New Conservation Materials	11	0.727273
28	Marton, Lorinc; Szanto, Zoltan; Vajda, Tamas; Haller, Piroška; Sandor, Hunor; Szabo, Tamas; Tamas, Levente: Communication Delay and Jitter Influence on Bilateral Teleoperation. 2014 22ND	Hua, JN; Wang, Q; Cui, YJ; Yang, FP; Wang, XZ; Li, HY: Synchronization between Master and Slave Sites in Telerobotic Systems: An Internet OWTD Jitter Prediction Approach	7	1.142857
29	Pall, Elod; Mathe, Koppány; Tamas, Levente; Busoniu, Lucian: Railway Track Following with the AR.Drone Using Vanishing Point Detection. 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2014, 1, 1-6.	Kim, J; Lee, YS; Han, SS; Kim, SH; Lee, GH; Ji, HJ; Choi, HJ; Choi, KN: Autonomous Flight System using Marker Recognition on Drone	4	2
30	Tamas, L.; Lazea, Gh.; Robotin, R.; Marcu, C.; Herle, S.; Szekely, Z.: State estimation based on Kalman filtering techniques in navigation. 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2008, 1, 1-6.	Ha, XV; Ha, C; Choi, HS: Path Tracking Control of a Mobile Robot by Using Dual Estimation Algorithm	6	1.333333
31	Tamas, Levente; Lazea, Gheorghe; Popa, Mircea; Szoke, Istvan; Majdik, Andras: Laser Based Localization Techniques for Indoor Mobile Robots. AT-EQUAL 2009: 2009 ECSIS SYMPOSIUM ON	Salahuddin, MA; Al-Fuqaha, A; Gavirangaswamy, VB; Ljucovic, M; Anan, M: An Efficient Artificial Landmark-Based System for Indoor and Outdoor Identification and Localization	5	1.6
32	Pall, Elod; Mathe, Koppány; Tamas, Levente; Busoniu, Lucian: Railway Track Following with the AR.Drone Using Vanishing Point Detection. 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2014, 1, 1-6.	Falamarzi, A; Moridpour, S; Nazem, M: A Review on Existing Sensors and Devices for Inspecting Railway Infrastructure	4	2
33	Pall, Elod; Mathe, Koppány; Tamas, Levente; Busoniu, Lucian: Railway Track Following with the AR.Drone Using Vanishing Point Detection. 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2014, 1, 1-6.	Premachandra, C; Ueda, D; Kato, K: Speed-Up Automatic Quadcopter Position Detection by Sensing Propeller Rotation	4	2
34	Tamas, Levente; Nascu, Ioan; De Keyser, Robin: The NEPSAC nonlinear predictive controller in a real life experiment. INES 2007: 11TH INTERNATIONAL CONFERENCE ON INTELLIGENT ENGINEERING	Faroni, M; Beschi, M; Pedrocchi, N; Visioli, A: Predictive Inverse Kinematics for Redundant Manipulators With Task Scaling and Kinematic Constraints	3	2.666667
35	Frolich, Robert; Kato, Zoltan; Tremereau, Alain; Tamas, Levente; Shabo, Shadi; Waksman, Yona: Region Based Fusion of 3D and 2D Visual Data for Cultural Heritage Objects. 2016 23RD INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2016, 1, 1-6.	Rodriguez-Gonzalez, P; Campo, AG; Munoz-Nieto, AL; Sanchez-Aparicio, LI; Gonzalez-Aguilera, D: Diachronic Reconstruction and Visualization of Lost Cultural Heritage Sites	6	1.333333
36	Tamas, Levente; Goron, Lucian Cosmin: 3D semantic interpretation for robot perception inside office environments. ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, 2014, 28, 1-12.	Zhou, H; Han, AQ; Yang, HD; Zhang, J: Edge gradient feature and long distance dependency for image semantic segmentation	2	4
37	Tamas, Levente; Frolich, Robert; Kato, Zoltan: Relative Pose Estimation and Fusion of Omnidirectional and Lidar Cameras.	Abdellah, H; Kato, Z: Absolute and Relative Pose Estimation of a Multi-View Camera System using 2D-3D Line Pairs and Vertical Direction	3	2.666667
38	Pall, Elod; Mathe, Koppány; Tamas, Levente; Busoniu, Lucian: Railway Track Following with the AR.Drone Using Vanishing Point Detection. 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2014, 1, 1-6.	Duan, AW; Liu, WJ; Jia, HC; Yin, ZY: Study on Vehicle Location in Road Traffic Accident Based on Surveillance Video and Vanishing Point	4	2
39	Frolich, Robert; Kato, Zoltan; Tremereau, Alain; Tamas, Levente; Shabo, Shadi; Waksman, Yona: Region Based Fusion of 3D and 2D Visual Data for Cultural Heritage Objects. 2016 23RD INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2016, 1, 1-6.	Song, RH; Jiang, ZH; Li, YH; Shan, YX; Huang, K: Calibration of Event-based Camera and 3D LIDAR	6	1.333333
40	Tamas, Levente; Lazea, Gheorghe; Popa, Mircea; Szoke, Istvan; Majdik, Andras: Laser Based Localization Techniques for Indoor Mobile Robots. AT-EQUAL 2009: 2009 ECSIS SYMPOSIUM ON	Zhang, M; Zhang, ZF; Dai, YJ; Wang, Q; Sun, WC; Hu, XW: Design of a multi-threaded positioning system software architecture for ground mobile robots	5	1.6
41	Tamas, L.; Lazea, Gh.; Robotin, R.; Marcu, C.; Herle, S.; Szekely, Z.: State estimation based on Kalman filtering techniques in navigation. 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2008, 1, 1-6.	Lotri, U; Bulic, P: Logarithmic Arithmetic for Low-Power Adaptive Control Systems	6	1.333333
42	Goron, Lucian Cosmin; Tamas, Levente; Lazea, Gheorghe: Classification within Indoor Environments using 3D Perception. 2012 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND PERFORMANCE IMPROVEMENT, 2012, 1, 1-6.	He, ZH; Zhu, M: Real-time Door Detection for Indoor Autonomous Vehicle	3	2.666667
43	Tamas, Levente; Frolich, Robert; Kato, Zoltan: Relative Pose Estimation and Fusion of Omnidirectional and Lidar Cameras.	Horanyi, N; Kato, Z: Multiview Absolute Pose Using 3D-2D Perspective Line Correspondences and Vertical Direction	3	2.666667
44	Tamas, Levente; Frolich, Robert; Kato, Zoltan: Relative Pose Estimation and Fusion of Omnidirectional and Lidar Cameras.	Horanyi, N; Kato, Z: Generalized Pose Estimation from Line Correspondences with Known Vertical Direction	3	2.666667

45	Marton, Lorinc; Szanto, Zoltan; Vajda, Tamas; Haller, Piroksa; Sandor, Hunor; Szabo, Tamas; Tamas, Levente: Communication Delay and Jitter Influence on Bilateral Teleoperation. 2014 22ND	Marton, L; Szanto, Z; Haidegger, T; Galambos, P; Kovacs, J: Internet-based Bilateral Teleoperation Using a Revised Time-Domain Passivity Controller	7	1.142857
46	Pall, Elod; Mathe, Koppány; Tamas, Levente; Busoniu, Lucian: Railway Track Following with the AR.Drone Using Vanishing Point Detection. 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND	Purica, AI; Pesquet-Popescu, B; Dujaux, F: A RAILROAD DETECTION ALGORITHM FOR INFRASTRUCTURE SURVEILLANCE USING ENDURING AIRBORNE SYSTEMS	4	2
47	Tamas, Levente; Lazea, Gheorghe; Popa, Mircea; Szoke, Istvan; Majdik, Andras: Laser Based Localization Techniques for Indoor Mobile Robots. AT-EQUAL 2009: 2009 ECSIS SYMPOSIUM ON	Wang, CF; Xue, XD; Wen, SG: A Method For Recognizing The Three-dimensional Bar Code	5	1.6
48	Herle, S.; Raica, Paula; Lazea, Gh.; Robotin, R.; Marcu, C.; Tamas, L.: Classification of surface electromyographic signals for control of upper limb virtual prosthesis using time-domain features. 2008 IEEE	You, B; Zhou, LN; Huang, L: The design of a recognition system for multi-function electrical rubber hand	6	1.333333
49	INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND	Herle, S: Design of a reference signal generator for an upper limb prosthesis myoelectric controller	6	1.333333
50	Lazea, Gh.; Robotin, R.; Herle, S.; Marcu, C.; Tamas, L.: Mobile robots formation navigation with behavior based algorithms. 2008 IEEE	Abbas, R; Wu, QH: Communication Failure in Formation Control of multiple Robots based on Particle Swarm Optimization Algorithm	5	1.6
51	INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND	Krishna, VBM; Babu, ASH; Jithendranath, J; Rao, CUM: An Isolated Wind Hydro Hybrid System with Two Back-to-Back Power Converters and a Battery Energy Storage System Using Neural Network Compensator	2	4
52	Blaga, Andreea; Tamas, Levente: Augmented Reality for Digital Manufacturing 2018 26TH MEDITERRANEAN CONFERENCE ON	Matheson, E; Minto, R; Zampieri, EGG; Faccio, M; Rosati, G: Human-Robot Collaboration in Manufacturing Applications: A Review	2	4
53	CONTROL AND AUTOMATION (MED) Book Series: Mediterranean	Kang, J; Doh, NL: Automatic targetless camera-LIDAR calibration by aligning edge with Gaussian mixture model	2	4
54	Targetless Calibration of a Lidar - Perspective Camera Pair By: Tamas, Levente; Kato, Zoltan 2013 IEEE INTERNATIONAL CONFERENCE ON	Tamas, L.; Jensen, B.: Robustness analysis of 3D feature descriptors for object recognition using a time-of-flight camera	2	4
55	Fulop, AO; Tamas, L.: Lessons Learned from Lightweight CNN Based Object Recognition for Mobile Robots, 2018 IEEE INTERNATIONAL	Lopez-Leyva, JA; Talamantes-Alvarez, A; Ponce-Camacho, MA; Meza-Arballo, O; Valadez-Rivera, B; Casemiro-Oliveira, L: Industrial IoT Projects Based on Automation Pyramid: Constraints and Minimum Requirements	2	4
56	Mitrea, Della; Tamas, Levente: Manufacturing Execution System Specific Data Analysis-Use Case With a Cobot, IEEE Access, 2018, vol 6	Zhao, YP; Wang, YF; Tsai, YC: 2D-Image to 3D-Range Registration in Urban Environments via Scene Categorization and Combination of Similarity Measurements	3	2.666667
57	Tamas, Levente; Frohlich, Robert; Kato, Zoltan: Relative Pose Estimation and Fusion of Omnidirectional and Lidar Cameras. COMPUTER VISION - ECCV 2014 WORKSHOPS, PT II, 2015.	Kato, Zoltan; Tamas, Levente: Relative Pose Estimation and Fusion of 2D Spectral and 3D Lidar Images. COMPUTATIONAL COLOR IMAGING, CCIW 2015, 2015.	2	4
58	Targetless Calibration of a Lidar - Perspective Camera Pair By: Tamas, Levente; Kato, Zoltan 2013 IEEE INTERNATIONAL CONFERENCE ON	Amano, K; Lou, ECW; Edwards, R: Integration of point cloud data and hyperspectral imaging as a data gathering methodology for refurbishment projects using building information modelling (BIM)	2	4

Total punctaj A3.1.1.

136.75

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

Nr.	Articol citat	Articol care citeaza	Numar au	Punctaj
1	Herle, S., Raica, P., Lazea, Gh., R. Robotin, Marcu, C., Tamas, L.: Classification of surface electromyographic signals for control of upper limb virtual prosthesis using time-domain features.	Caetano, D., Mattioli, F., Nogueira, K., Lamounier, E., Cardoso, A.: Comparison between MLP and LVQ neural networks for virtual upper limb prosthesis control	6	0.666667
2	Herle, S., Raica, P., Lazea, Gh., R. Robotin, Marcu, C., Tamas, L.: Classification of surface electromyographic signals for control of upper limb virtual prosthesis using time-domain features.	Classification of EMG signals using artificial neural networks for virtual hand Mattioli, F.E.R., Lamounier, E.A., Cardoso, A., Soares, A.B., Andrade, A.O.: prosthesis control	6	0.666667
3	Herle, S., Raica, P., Lazea, Gh., R. Robotin, Marcu, C., Tamas, L.: Classification of surface electromyographic signals for control of upper limb virtual prosthesis using time-domain features.	You, B., Wang, H., Huang, L.: The system of sEMG recognition for prosthetic hand control	6	0.666667
4	Herle, S., Raica, P., Lazea, Gh., R. Robotin, Marcu, C., Tamas, L.: Classification of surface electromyographic signals for control of upper limb virtual prosthesis using time-domain features.	Herle, S., Man, S., Lazea, Gh., Robotin, R., Marcu, C: Myoelectrical signal classification for the hierarchical control of a human hand prosthesis	6	0.666667
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6	Tamas, L., Lazea, Gh., Robotin, R., Marcu, C., Herle, S., Szekely Z: State estimation based n Kalman filtering techniques in navigation, 2008 IEEE International Conference on Automation, Quality and Testing, Robotics.	Ha, X.V., Ha, C., Lee, J.: Dual estimation for the path tracking control of a four track wheel skid-steered mobile robotsystem for a humanoid robot	6	0.666667
7	Tamas, L., Lazea, Gh., Robotin, R., Marcu, C., Herle, S., Szekely Z: State estimation based n Kalman filtering techniques in navigation, 2008 IEEE International Conference on Automation, Quality and Testing, Robotics.	Ha, X.V., Ha, C., Lee, J.: Trajectory estimation of a tracked mobile robot using the sigma-point Kalman filter with an IMU and optical encoder	6	0.666667
8	Tamas, L., Lazea, G., Popa, M., Szoke, I., Majdik, A.: Laser based localization techniques for indoor mobile robots, (2009) Proceedings - 2009 Advanced Technologies for Embedded Quality of Life, AT-EQUAL 2009, pp. 540-550.	Jiang, X., Xin, D., Wu, G., Jiang, X.: The platform design that simulates the micromouse move in the maze.	5	0.8
9	Tamas, L., Lazea, G., Popa, M., Szoke, I., Majdik, A.: Laser based localization techniques for indoor mobile robots, (2009) Proceedings - 2009 Advanced Technologies for Embedded Quality of Life, AT-EQUAL 2009, pp. 540-550.	Salahuddin, M.A., Al-Fuqaha, A., Gavrangaswamy, V.B., Ljucovic, M., Anan, M.: An efficient artificial landmark-based system for indoor and outdoor identification and	5	0.8
10	Tamas, L., Lazea, G., Popa, M., Szoke, I., Majdik, A.: Laser based localization techniques for indoor mobile robots, (2009) Proceedings - 2009 Advanced Technologies for Embedded Quality of Life, AT-EQUAL 2009, pp. 540-550.	Majdik, A., Popa, M., Tamas, L., Szoke, I., Lazea, G.: New approach in solving the kidnapped robot problem	5	0.8
11	Tamas, L., Szekely Z.: Modeling and simulation of an induction drive with application to a small wind turbine generator, IEEE International Conference	Vasak, M.: Reduction of exciting current of induction machine during connection to electrical grid.	2	2
12	Tamas, L., Szekely Z.: Modeling and simulation of an induction drive with application to a small wind turbine generator, IEEE International Conference	Nicy, C.F., Punitharaji, R.: Isolated wind-hydro hybrid system using permanent magnet synchronous generator and battery storage with fuzzy logic controller	2	2
13	Tamas, L., Marcu, C.: Detection and tracking experiments in various environments, (2011) IEEE 15th International Conference on Advanced Robotics: New Boundaries for Robotics, ICAR 2011, art. no. 6088601, pp.	Pali, E., Mathe, K., Tamas, L., Busoniu, L.: Railway track following with the AR.Drone using vanishing point detection	2	2
14	Tamas, L., Marcu, C.: Detection and tracking experiments in various environments, (2011) IEEE 15th International Conference on Advanced Robotics: New Boundaries for Robotics, ICAR 2011, art. no. 6088601, pp.	Lee, H.-T., Tsai, H.-L., Chen, Z.-Q., (...), He, J.-X., Lin, Y.-C.: Mobile detecting robot with IPCam feedback	2	2
15	Tamas, L., Popa, M., Lazea, G., Szoke, I., Majdik, A.: Lidar and vision based people detection and tracking, (2010) Control Engineering and Applied	Cho, K., Ilyas, M., Baeg, S.-H., Park, S.: Occluded human recognition for a leader following system using 3D range and image data in forest environment	5	0.8
16	Tamas, L., Lazea, Gh., Herle, S., Robotin, R., Tamas, L.: 3D graphical simulation of an articulated serial manipulator based on kinematic models, (2010) 19th International Workshop on Robotics in Cluj-Napoca Danube Region, RAAD	Dumitrache, A., Borangiu, T.: Open source framework for real-time robot simulation and collision avoidance	5	0.8
17	Tamas, L., Majdik, A.: Heterogeneous feature based correspondence estimation, (2012) IEEE International Conference on Multisensor Fusion and Integration for Intelligent Systems, art. no. 6343042, pp. 89-94.	Tamas, L., Jensen, B.: Robustness analysis of 3D feature descriptors for object recognition using a time-of-flight camera	2	2
Total punctaj A3.1.2.			18.67	

A3.1.3. Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, ISI/BDI

Nume manifestare	Revista/manifestatie stiintifica	Tip (ISI/BCP)	Punctaj
Co-organizator sesiune speciala la IEEE International Conference on Automation, Quality and	IEEE International Conference on Automation, Quality and Testing, Robotics, Cluj-Napoca, Romania	ISI	10
Chair sesiune speciala la IEEE International Conference on Automation, Quality and Testing, Robotics, Cluj-Napoca, Romania, 2012	IEEE International Conference on Automation, Quality and Testing, Robotics, Cluj-Napoca, Romania	ISI	10

Total punctaj A3.1.3

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