FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE
Conform OM6129/2016 (Comisia 15, Calculatoare, tehnologia Informatiei, Ingineria Sistemelor)
Şuşnea Ioan - Profesor

Domeniul activităţilor	Minim prevazut	Punctaj realizat
Activitatea didactică şi profesionala (A1)	100	161.6
Activitatea de cercetare (A2)	600	825.25
Recunoaşterea impactului activ (A3)	150	301.39
TOTAL	850	1288.24

	Tipul activităţilor	Categorii			Minim prevazut	Realizat	Indicatori
1.Activitatea didactică şi profesională	1.1 Cărţi şi capitole în cărţi de specialitate	Edituri internationale			1	2	161.6
		Edituri nationale				3	
	1.2 Manuale didactice					1	
	TOTAL A1						161.6
2.Activitatea de cercetare (A2)	A2.1 Articole in reviste ISI sau ISI proceedings				15	31	727.59
	A2.2 Articole BDI				-	3	20
	A2.4 Granturi/proiecte câştigate prin competiţie	2.4.1 Director/ responsabil	Internationale		2	3	77.66
			Nationale				
		2.4.2 Membru in echipa	Internationale		-	3	
			Nationale				
	TOTAL A2						825.25
3.Recunoaşterea impactului activ (A3)	A3.1.1 Citari in carti sau in articole ISI sau ISI proceedings				25	41	129.88
	A3.1.2 Citari in artocole BDI				-	16	21.51
	A3.2 Membru în colective de redactie sau comitete de organizare manifestari stiintifice ISI					12	120
	A3.3 Membru în colective de redactie sau comitete de organizare manifestari stiintifice BDI					2	
	A3.4 Premii					2	30
	TOTAL A3						301.39

Condiţii minimale obligatorii pe subcategorii

	Criteriu	Minim	Realizat
A1.1.1-A1.1.2	Cărţi de specialitate	1 carte	6 cărţi sau capitole de cărţi
A2.1	Articole în reviste cotate ISI sau in volumele unor manifestări ştiinţifice indexate ISI Proceedings	15	31
	din care articole in reviste cotate ISI Q1 sau Q2	3	8 (1 in Q1 si 7 in Q2)

1

A2.4.1	Granturi/proiecte de cercetare câștigate prin competiție (Director sau responsabil proiect)	2	3
A3.1.1	Numar de citari in cărți, reviste cotate ISI și volume ale unor manifestari stiintifice ISI (WOS)	25	> 41
	Factor de impact ISI cumulat pentru publicații	10	28

Criteriul A1 – Activitate didactica

Criteriul	Publicatie	Editura	Punctaj
A1.1.1	**Susnea I**. Mitescu M. *Microcontrollers in practice* ISBN: 3540253017, Springer Verlag, New York, Heidelberg, 2005 (250 pagini)	Springer Verlag, New York, Heidelberg, 2005 (250 pagini)	25
A1.1.1	Pecheanu E., **Susnea I.**, Cocu A. (2012) *"Design of Course Materials Destined to Support Informal and Non- formal Learning through the Use of E-learning Technologies "* – capitol in cartea *Supporting system for nonformal and informal learning for low-skilled workers* editata de Zbigniew Kramek, Katarzyna Slawinska, Krzysztof Symela ISBN 978-837789-152-0, pp. 42-59, 17 pagini	The Publishing House of the Institute for Sustainable Technologies– National Research Institute 6/10 Pulaskiego Street, 26-600 Radom, Polonia, 2012 (17 pagini)	16.6
A1.1.2	Grigore Vasiliu, **Ioan Susnea** *Sisteme computerizate de masurare (Computer based measurement systems* in Romanian*)* ISBN: 978-973-755-452-9, Publisher Matrix Rom, Bucuresti, 2009	Matrix Rom, Bucuresti, 2009 (283 pagini)	25
A1.1.2	**Ioan Susnea**, Grigore Vasiliu *Sisteme distribuite pentru monitorizarea si conducerea proceselor. O introducere practica (Distributed Systems for Monitoring and Control. A practical Introduction* – in Romanian*)*, ISBN: 978-973-755-542-5, Publisher Matrix Rom, Bucuresti, 2011	Matrix ROM Bucuresti, 2011 (152 pagini)	25
A1.1.2	**Ioan Susnea,** *Microcontrollere in aplicatii de robotica* ISBN: 978-606-94099-2-3	Editura Accent Media, Deva, 2016 (131 pagini)	50
A1.2.1	**Ioan Susnea,** Luminita Dumitriu (editori) *Manual de creativitate tehnica*, ISBN: 978-606-628-145-4	Editura EUROPLUS, Galati, 2016 (159 pagini)	20
		Total criteriul A1	**161.6**

Criteriul A2.1 Articole in reviste ISI sau ISI Proceedings[1]

Nr.	Criteriu	Publicatie	Nr. autori	F.I. (JCR2019)	Punctaj
1	A2.1	Ioan Susnea, Grigore Vasiliu "A Fuzzy Logic Software Tool and a New Scale for the Assessment of Creativity" INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL , Vol 11 (3), June 2016, Pages 441-449, WOS:000373296600011	2	2.093	43.90
2	A2.1	Ioan Susnea "The Inn at the Crossroads – A model of Distributed Spatial Knowledge" in Studies in Informatics and Control – Vol25(1) March 2016, Pages. 15-20, WOS:000372945700002	1	2.102	88.06
3	A2.1	Ioan Susnea, "Engineering Human Stigmergy" - INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL Volume: 10 Issue: 3 pp. 420-427 Published: JUN 2015 WOS:000353867800011	1	2.093	87.79
4	A2.1	Ioan Susnea, Cristian Axenie, "Cognitive Maps for Indirect Coordination of Intelligent Agents", STUDIES IN INFORMATICS AND CONTROL Volume: 24 Issue: 1 Pages: 111-118 Published: MAR 2015, WOS:000351892900012	2	2.102	44.03
5	A2.1	Ioan Susnea, Research And Innovation In Romania: Between Poverty, Imposture, And A Two-Speed Europe, Proc. of the 2nd International Conference on Globalization, Intercultural Dialogue and National Identity, May 2014, Pages: 150-156, WOS:000353772800017	1	0.25	32.50
6	A2.1	Ioan Susnea, Grigore Vasiliu, Daniela Elena Mitu, "Enabling Self-Organization of the Educational Content in Ad Hoc Learning Networks", in Studies in Informatics and Control, ISSN 1220-1766 vol. 22(2), 2013, Pages: 143-152, WOS:000320427700004	3	2.102	29.35
7	A2.1	Ioan Susnea, Grigore Vasiliu, Emergency Communication System for Fault Diagnosis in Power Distribution Networks, ISEEE2013, 4th International Symposium on Electrical and Electronics Engineering (ISEEE), WOS:000335153400039	2	0.25	16.25
8	A2.1	Ioan Susnea, "Distributed Neural Networks Microcontroller Implementation and Applications", Studies in Informatics and Control, ISSN 71220-1766, vol. 21 (2), 2012 pp. 165-172 WOS:000305494200006	1	2.102	88.06

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[1] Publicatiile din reviste Q1 sau Q2 sunt highlighted cu galben

9	A2.1	Ioan Susnea, Grigore Vasiliu, "On Using Passive RFID to Control Robots for Path Following", in Studies in Informatics and Control, Vol 20, Issue 2, 2011 pp: 157-162, ISSN: 1220-1760 WOS:000292015600008	2	2.102	44.03
10	A2.1	Susnea I. Vasiliu G. Filipescu A. Radaschin A., "Virtual Pheromones for Real-Time Control of Autonomous Mobile Robots", in Studies of Informatics and Control, Vol 18, issue 3, 2009, pp: 233-240., ISSN:1220-1760 WOS:000270244500004	3	2.102	29.35
11	A2.1	A. Serbencu, D. Cernega, A.E. Serbencu, I. Susnea, Path Following Problem for PatrolBot Solved with Fuzzy Control, ICAL2009 - IEEE International Conference on Automation and Logistics, Aug. 2009, Shenyang, China, Pages 2004-2009, WOS:000291503401120	4	0.25	8.13
12	A2.1	A. Filipescu, I. Susnea, S.Filipescu, G. Stamatescu, "Wheeled Mobile Robot Control Using Virtual Pheromones and Neural Networks" 2009 IEEE INTERNATIONAL CONFERENCE ON CONTROL AND AUTOMATION, VOLS 1-3 Book Series: IEEE International Conference on Control and Automation ICCA Pages: 157-162, WOS:000280542300027	4	0.25	8.13
13	A2.1	Filipescu, A; Susnea, I; Filipescu, S; Stamatescu, G, "Distributed System of Mobile Platform Obstacle Avoidance and Control as Robotic Assistant for Disabled and Elderly" ICCA 2009 IEEE International Conference On Control And Automation, Vols 1-3 Book Series: IEEE International Conference on Control and Automation ICCA Pages: 1886-1891 DOI: 10.1109/ICCA.2009.5410442, Christchurch, New Zealand, 2009, WOS:000280542300328	4	0.25	8.13
14	A2.1	Filipescu A. Susnea I. , Filipescu A. , Stamatescu G, "Control of Mobile Platforms as Robotic Assistants for Elderly", ASCC: 2009 7TH ASIAN CONTROL CONFERENCE, VOLS 1-3 Pages: 1456-1461, Hong Kong, 2009, WOS:000274323100254	4	0.25	8.13
15	A2.1	Susnea I, Minzu V., Vasiliu G. "Simple, Real-Time Obstacle Avoidance Algorithm for Mobile Robots", Proceedings of the 8th WSEAS International Conference on Computational Intelligence, Man-Machine Systems and Cybernetics (CIMMACS '09) Pages: 24-29, Puerto de la Cruz, Tenerife, Spain, 2009 WOS:000276622300003	3	0.25	10.83
16	A2.1	Susnea, I., Filipescu, A., Vasiliu, G., & Filipescu, S. (2008, September). Path following, real-time, embedded fuzzy control of a mobile platform wheeled mobile robot. In Automation and Logistics, 2008. ICAL 2008. IEEE International Conference on (pp. 268-272). IEEE WOS:000263554800050	4	0.25	8.13

17	A2.1	Susnea, I; Vasiliu, G; Filipescu, A ; "RFID Digital Pheromones for Generating Stigmergic Behaviour to Autonomous Mobile Robots", Proceedings Of The 4th WSEAS/IASME International Conference On Dynamical Systems And Controls, Book Series: Mathematics and Computers in Science and Engineering Pages: 20-24, Corfu, Greece, 2008, WOS:000262930900005	3	0.25	10.83
18	A2.1	Susnea, I; Vasiliu, G; Filipescu A.; Coman G.; "On the Implementation of a Robotic Assistant for the Elderly. A Novel Approach" Proceedings Of The 7th Wseas International Conference On Computational Intelligence, Man-Machine Systems And Cybernetics (CIMMACS '08) Book Series: Electrical and Computer Engineering Series Pages: 215-220, Cairo, Egypt, 2008, WOS:000264086100036	4	0.25	8.13
19	A2.1	Susnea, Ioan; Pecheanu, Emilia; Dumitriu, Luminita, The Education for Creativity may Lower the students' anxiety about the future, European Proceedings of Social and Behavioural Sciences Volume: 23 Pages: 1269-1273 Published: 2017, WOS:000411319000154	3	0.25	10.83
20	A2.1	Susnea, Ioan; Pecheanu, Emilia; Dumitriu, Luminita; Cocu, Adina, Exploring the connection between the students' creativity and summary writing skills, 2017, PROCEEDINGS OF 2017 IEEE GLOBAL ENGINEERING EDUCATION CONFERENCE (EDUCON2017) Pages 347-350, WOS:000405192300056	4	0.25	8.13
21	A2.1	Susnea I. Pecheanu E. Tudorie C. Initiatives towards an education for creativity, The 6th International Conference Edu World 2014 "Education Facing Contemporary World Issues", 7th - 9th November 2014, Pages: 1520-1526, DOI: 10.1016/j.sbspro.2015.02.301, WOS:000380497900225	3	0.25	10.83
22	A2.1	Susnea, I. Pecheanu, E. Costache S. Challenges of an e-learning platform for teaching creativity, The 11th International Scientific Conference – e-Learning and Software for Education ELSE 2015, Pages: 376-379, WOS:000384469000055	3	0.25	10.83
23	A2.1	Cocu, A., Pecheanu, E., & Susnea, I. (2015). Stimulating Creativity through Collaboration in an Innovation Laboratory. Procedia-Social and Behavioral Sciences, 182, 173-178, DOI: 10.1016/j.sbspro.2015.04.753, WOS:000380397600026	3	0.25	10.83

24	A2.1	Filipescu, A, Susnea, I. Minzu, V. Obstacle Avoidance and Path Following Control of a WMR used as Personal Robotic Assistant, 18th Mediterranean Conference on Control And Automation, Pages: 1555-1560, WOS:000324864700250	3	0.25	10.83
25	A2.1	Ioan Susnea, Emilia Pecheanu, Luminita Dumitriu, Adina Cocu, Exploring the Value of Zimbardo Time Perspective Inventory as Predictor of Academic Outcomes, IEEE Global Engineering Education Conference (EDUCON), 2018, pages: 238-242, WOS:000434866100036	4	0.25	8.13
26	A2.1	Ioan Susnea, Emilia Pecheanu, Adina Cocu, Goran Hudec, (2017) Improved Occupancy-Based Solutions for Energy Saving in Buildings, 5th International Symposium on Electrical and Electronics Engineering (ISEEE2017) WOS:000428234400017	4	0.25	8.13
27	A2.1	Ioan Susnea, Emilia Pecheanu, Luminita Dumitriu, (2017) THE EDUCATION FOR CREATIVITY MAY LOWER THE STUDENTS' ANXIETY ABOUT THE FUTURE, European Proceedings of Social and Behavioural Sciences, Volume: 23, 2017, Pages: 1269-1273, DOI: 10.15405/epsbs.2017.05.02.155, WOS:000411319000154	3	0.25	10.83
28	A2.1	Filipescu, A., Susnea, I. Minzu, V. Filipescu, S. Fuzzy Control and Bubble Rebound Obstacle Avoidance of a Mobile Platform Used as Robotic Assistant, PROCEEDINGS OF THE 29TH CHINESE CONTROL CONFERENCE, 2010, Pages: 3654-3659, WOS:000397331303153	4	0.25	8.13
29	A2.1	Ioan Susnea, Luminita Dumitriu, Emilia Pecheanu, Dan Munteanu, Mihai Talmaciu, Unobtrusive Monitoring the Daily Activity Routine of Elderly People Living Alone, with Low-Cost Binary Sensors, Sensors 2019, Volume 19, Issue 10, 2264, DOI: 10.3390/s19102264 https://www.mdpi.com/1424-8220/19/10/2264	5	3.275	24.65
30	A2.1	O. Panait, L. Dumitriu, I. Susnea, Hardware and Software Architecture for Accelerating Hash Functions Based on SoC, CSCS22/2019, pages 136-139, **DOI:** 10.1109/CSCS.2019.00031 https://ieeexplore.ieee.org/document/8745224	3	0.25	10.83
31	A2.1	Talmaciu, M., Dumitriu, L., Şuşnea, I., Lepin, V., & Iantovics, L. B. (2020). Recognition and Optimization Algorithms for P5-Free Graphs. Symmetry, 12(2), 304. DOI: /10.3390/sym12020304 https://www.mdpi.com/2073-8994/12/2/304/htm	5	2.645	20.87
		Total:		28.718	727.59

Criteriul A2.2 - Publicatii indexate IEEE Xplore, Scopus

Criteriu	Publicatie	Nr. autori	Punctaj
A2.2	Ioan Susnea, Grigore Vasiliu, Simona Spiridon, Daniela Elena Mitu, "Towards self-organizing, self-sustainable open education systems" in System Theory, Control and Computing (ICSTCC), 2012 16th International Conference on"	4	5
A2.2	**Ioan Susnea,** Grigore Vasiliu, On Defining and Following Robot Paths in an RFID Augmented Environment, System Theory, Control, and Computing (ICSTCC), 2011 15th International Conference on, 14-16 Oct. 2011, Sinaia Romania	2	10
A2.2	**Susnea, I**., Pecheanu, E., Dumitriu, L., & Cocu, A. (2017). Connecting the Dots: Linking Creativity, Synthesis Skills, and the Students' Anxiety about the Future. *International Association for Development of the Information Society*.	4	5
		Total:	**20**

Criteriul A2.4 Granturi/Proiecte castigate prin competitie

Criteriul	Denumire proiect/contract si valoare	Finantator/Beneficiar	Pozitia Director/membru in echipa	Durata/Perioada	Punctaj
2.4.1.1	TECRINO - Teaching Creativity in Engineering (49.000 EUR) 538710-LLP-1-2013-1-CY-LEONARDO-LMP	**Comisia Europeana**	**Responsabil partener**	2 ani 2014-2016	40
2.4.1.2	Sistem distribuit pentru controlul temperaturii la 28 cuptoare de tratament termic (33.065 EUR)	**MITTAL STEEL S.A. Galati**	**Director**	2 ani 2006-2008	20
2.4.1.2	Realizarea unor dispozitive de compensate a erorilor de masura datorate intarzierllor de propagare prin cabluri, la transmisia semnalelor generate de traductoare optice incrementale (40.210 EUR)	**ISPAT SIDEX S.A. Galati**	**Director**	2 luni 2004	1.66
2.4.2.2	Contract ID_641 2007-2010, Programul IDEI 2007 *Conducerea sliding mode a robotilor mobili si manipulatoarelor robotice*	**UEFISCDI**	**Membru in echipa de cercetare**	3 ani 2008-2010	6
2.4.2.2	Contract RegenSys: PN-II-PT-PCCA 2011-3.2-1680, Contract nr: 41/02.07.2012, Titlul proiectului: „Sistem	UEFISCDI	**Membru in echipa de cercetare**	3 ani 2012-2016	6

2.4.2.2	"Robots and Society: Cognitive Systems for Personal Robots and Autonomous Vehicles" - ROBIN Car (NR 72PCCDI / 2018, project code PN-III-P1-1.2-PCCDI-2017-0734)	UEFISCDI	**Membru in echipa de cercetare**	2 ani 2018-2020	4
	regenerativ integrat de acționari electrice"				
Total:					**77.66**
Total (A2)=(A2.1)+(A2.2)+(A2.4)=727.59+20+77.66=825.25					**825.25**

Criteriul A3.1.1 Citari in carti sau in articole ISI

Lucrare citata	Nr. aut.	Citari	Nr.	Punctaj
Susnea, I., & Mitescu, M. (2005). *Microcontrollers in practice* (Vol. 18). Springer Science & Business Media.	2	Maini, A. K. Microcontrollers. *Digital Electronics: Principles, Devices and Applications*, 565-603. (carte)	1	4
		Blankenbach, K., Hudak, A., & Jentsch, M. (2012). Direct Drive, Multiplex and Passive Matrix. In *Handbook of Visual Display Technology* (pp. 417-437). Springer Berlin Heidelberg. (carte)	2	4
		Silaşi, C., Cunţan, C., & Baciu, I. (2015). Using microcontrollers for orienting a set of mirrors to focus the light beam. In *IOP Conference Series: Materials Science and Engineering* (Vol. 85, No. 1, p. 012009). IOP Publishing.	3	4
		Epple, S., Jung, R., Jalba, K., & Nasui, V. (2017, May). Real time capable control design with increased life expectancy for research purposes. In *IOP Conference Series: Materials Science and Engineering* (Vol. 200, No. 1, p. 012034). IOP Publishing.	4	4
Virtual Pheromones for Real-Time Control of Autonomous Mobile Robots By: Susnea, Ioan; Vasiliu, Grigore; Filipescu, Adrian; et al. STUDIES IN INFORMATICS AND CONTROL Volume: 18 Issue: 3 Pages: 233-240 Published: SEP 2009	4	Reyes-Amaro, A., Mesejo-Chiong, A., Mas-Sansó, R., & Jaume-i-Capó, A. (2013). Using Particle Filters to Find Free Obstacle Trajectories for a Kinematic Chain. *Studies in Informatics and Control*, *22*(2), 186.	5	2
		Czibula, G., Bocicor, I. M., & Czibula, I. G. (2013). Temporal ordering of cancer	6	4

9

		microarray data through a reinforcement learning based approach. *PloS one*, *8*(4), e60883. ***		
		González-Sierra, J., Aranda-Bricaire, E., & Hernandez-Martinez, E. G. (2013). Formation tracking with orientation convergence for groups of unicycles. *International Journal of Advanced Robotic Systems*, *10*(3), 180.	7	2
		Hernandez-Martinez, E. G., & Aranda-Bricaire, E. (2012). Decentralized formation control of multi-agent robot systems based on formation graphs. *Studies in Informatics and Control*, *21*(1), 7-16.	8	2
		González-Sierra, J., Aranda-Bricaire, E., & Rodríguez-Cortés, H. (2012, September). Attitude observer and trajectory tracking for a group of unicycle-type robots. In *2012 9th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE)* (pp. 1-6). IEEE.	9	2
		Bocicor, M. I., Czibula, G., & Czibula, I. G. (2011). A distributed q-learning approach to fragment assembly. *Studies in Informatics and Control*, *20*(3), 222.	10	2
Ioan Susnea, Pecheanu, & Tudorie, C. (2015). Initiatives towards an education for creativity. *Procedia-Social and Behavioral Sciences*, *180*, 1520-1526.	3	De Lucia, C., Balena, P., Melone, M. R. S., & Borri, D. (2016). Policy, entrepreneurship, creativity and sustainability: the case of 'principi attivi'('Active ingredients') in apulia region (southern Italy). *Journal of cleaner production*, *135*, 1461-1473. ***	11	5.33
		Penabaz-Wiley, S. M., Terada, M., & Kinoshita, I. (2018). The Psychological Ownership of Ethnobotanicals through Education. *Environment-Behaviour Proceedings Journal*, *3*(8), 12-21.	12	2.66
		Zhang, S., Callaghan, V., & Wang, H. (2016, October). Improving English as a foreign language education in China with creative science. In *Intelligent Environments (Workshops)* (pp. 177-186).	13	2.66
Susnea, I., Minzu, V., & Vasiliu, G. (2009, December). Simple, real-time obstacle avoidance algorithm	3	Ullah, Z., Xu, Z., Zhang, L., Zhang, L., & Ullah, W. (2018). RL and ANN Based Modular Path Planning Controller for	14	5.33

for mobile robots. In *8th WSEAS International Conference on Computational Intelligence, Man-Machine Systems and Cybernetics (CIMMACS'09).*		Resource-Constrained Robots in the Indoor Complex Dynamic Environment. *IEEE Access*, 6, 74557-74568. ***		
		Prabakaran, N., & Kannan, R. J. (2017). Cooperative Sensors for Identifying an Impulsive Events of Asynchronous Environment. In *Proceedings of International Conference on Communication and Networks* (pp. 215-222). Springer, Singapore.	**15**	**2.66**
		Solea, R., & Cernega, D. (2016, October). Online path planner for mobile robots using particle swarm optimization. In *2016 20th International Conference on System Theory, Control and Computing (ICSTCC)* (pp. 222-227). IEEE.	**16**	**2.66**
		Wang, T. C. (2015). Obstacle detection and avoidance with noisy measurements using danger zone concepts. *Journal of the Chinese Institute of Engineers*, *38*(8), 1020-1025.	**17**	**2.66**
		Wang, T. C., & Lin, T. J. (2013). Unmanned vehicle obstacle detection and avoidance using danger zone approach. *Transactions of the Canadian Society for Mechanical Engineering*, *37*(3), 529-538.	**18**	**2.66**
		Lin, R., Li, M., & Sun, L. (2013, December). Real-time objects recognition and obstacles avoidance for mobile robot. In *2013 IEEE International Conference on Robotics and Biomimetics (ROBIO)* (pp. 1157-1162). IEEE.	**19**	**2.66**
Susnea, I., Vasiliu, G., & Mitu, D. E. (2013). Enabling Self-Organization of the Educational Content in Ad Hoc Learning Networks. *Studies in Informatics and Control*, *22*(2), 143-152.	**3**	Vercruyssen, N., Tomozei, C., Furdu, I., Varlan, S., & Amancei, C. (2015). Collaborative Recommender System Development with Ubiquitous Computing Capability for Risk Awareness. *Studies in Informatics and Control*, *24*(1), 91-100.	**20**	**2.66**
		Guerrero, C., & Jaume-i-Capó, A. (2014). Use of Social Networks to Motivate Computer-Engineering Students to Participate in Self-assessment Activities. *Studies in Informatics and Control*, *23*(2), 197-206.	**21**	**2.66**

Susnea, I., & Vasiliu, G. (2016). A Fuzzy Logic Software Instrument and a New Scale for the Assessment of Creativity. *International Journal of Computers Communications & Control*, *11*(3), 441-449.	2	Kuantama, E., Vesselenyi, T., Dzitac, S., & Tarca, R. (2017). PID and Fuzzy-PID control model for quadcopter attitude with disturbance parameter. *International Journal of Computers Communications & Control*, *12*(4), 519-532.	22	4
Cocu, A., Pecheanu, E., & Susnea, I. (2015). Stimulating creativity through collaboration in an innovation laboratory. *Procedia-Social and Behavioral Sciences*, *182*, 173-178.	3	Yang, Z., Zhou, Y., Chung, J. W., Tang, Q., Jiang, L., & Wong, T. K. (2018). Challenge Based Learning nurtures creative thinking: An evaluative study. *Nurse education today*, *71*, 40-47. ***	23	5.32
		Supardi, Z. A., & Jatmiko, B. (2017). Feasibility Of Creative Exploration, Creative Elaboration, Creative Modeling, Practice Scientific Creativity, Discussion, Reflection (C3pdr) Teaching Model To Improve Students'scientific Creativity Of Junior High School. *Journal of Baltic Science Education*, *16*(6).	24	2.66
Filipescu, A., Susnea, I., Filipescu, S., & Stamatescu, G. (2009, December). Wheeled mobile robot control using virtual pheromones and neural networks. In *2009 IEEE International Conference on Control and Automation* (pp. 157-162). IEEE.	4	Ravankar, A., Ravankar, A. A., Kobayashi, Y., & Emaru, T. (2016). Avoiding blind leading the blind: Uncertainty integration in virtual pheromone deposition by robots. *International journal of advanced robotic systems*, *13*(6), 1729881416666088.	25	2
		Ravankar, A., Ravankar, A. A., Kobayashi, Y., & Emaru, T. (2016). On a bio-inspired hybrid pheromone signalling for efficient map exploration of multiple mobile service robots. *Artificial life and robotics*, *21*(2), 221-231.	26	2
		Fossum, F., Montanier, J. M., & Haddow, P. C. (2014, December). Repellent pheromones for effective swarm robot search in unknown environments. In *2014 IEEE Symposium on Swarm Intelligence* (pp. 1-8). IEEE.	27	2
Susnea, I. (2015). Engineering human stigmergy. *International Journal of Computers Communications & Control*, *10*(3), 420-427.	1	Bottone, M., Palumbo, F., Primiero, G., Raimondi, F., & Stocker, R. (2016, October). Implementing virtual pheromones in bdi robots using mqtt and jason (short paper). In *2016 5th IEEE International Conference on Cloud Networking (Cloudnet)* (pp. 196-199).	28	8

		IEEE.		
Susnea, I. (2012). Distributed neural networks microcontroller implementation and applications. *Studies in Informatics and Control*, *21*(2), 166.	1	Venkatesh, V., & Kamalakannan, C. (2016). Real time analysis of positive output super lift converter using ANN controller. *SIC Journal, Year: 2016*, *25*(3), 323-334.	29	8
Susnea, I., & Vasiliu, G. (2011). On Using Passive RFID Tags to Control Robots for Path Following. *Studies in Informatics and Control*, *20*(2), 157-162.	2	Reyes-Amaro, A., Mesejo-Chiong, A., Mas-Sansó, R., & Jaume-i-Capó, A. (2013). Using Particle Filters to Find Free Obstacle Trajectories for a Kinematic Chain. *Studies in Informatics and Control*, *22*(2), 186.	30	4
		Shin, M. S., Ko, M. C., Ju, Y. W., Jung, Y. J., & Lee, B. J. (2013). Implementation of context-aware based robot control system for automatic postal logistics. *Studies in Informatics and Control*, *22*(1), 71-80.	31	4
Filipescu, A., Susnea, I., Minzu, V., & Filipescu, S. (2010, July). Fuzzy control and bubble rebound obstacle avoidance of a mobile platform used as robotic assistant. In *Proceedings of the 29th Chinese Control Conference* (pp. 3654-3659). IEEE.	4	Kerr, E. P., Vance, P., Kerr, D., Coleman, S. A., Das, G. P., McGinnity, T. M., ... & Delbruck, T. (2018, November). Biological Goal Seeking. In *2018 IEEE Symposium Series on Computational Intelligence (SSCI)* (pp. 1602-1607). IEEE.	32	2
		Chen, W. P., Chen, S. S., Wang, L. K., Cheng, S. P., Chang, S. C., & Lu, M. F. (2013, December). A design of large space automatic cleaning robot with omni-directional wheels. In *2013 International Conference on Fuzzy Theory and Its Applications (iFUZZY)* (pp. 140-145). IEEE.	33	2
Filipescu, A., Susnea, I., & Stamatescu, G. (2009, December). Distributed system of mobile platform obstacle avoidance and control as robotic assistant for disabled and elderly. In *2009 IEEE International Conference on Control and Automation* (pp. 1886-1891). IEEE.	3	Nikkhoo, M., & Menhaj, M. B. (2016, January). Extendable behavioral cognitive architecture based on dynamic field theory. In *2016 4th International Conference on Control, Instrumentation, and Automation (ICCIA)* (pp. 435-438). IEEE.	34	2.66
		Bedaf, S., Gelderblom, G. J., & De Witte, L. (2015). Overview and categorization of robots supporting independent living of elderly people: what activities do they support and how far have they developed. *Assistive Technology*, *27*(2), 88-100.	35	2.66

13

Lucrare citata		Citari		BDI	Nr. aut.	Punctaj
Susnea, I., Filipescu, A., Minzu, V., & Vasiliu, G. (2009, July). Virtual pheromones and neural networks based wheeled mobile robot control. In *Proceedings of the 13th WSEAS international conference on Systems* (pp. 511-516). World Scientific and Engineering Academy and Society (WSEAS).	4	Skorpil, V., & Kamba, S. (2011, August). Back propagation and genetic algorithms for control of the network element. In *2011 34th International Conference on Telecommunications and Signal Processing (TSP)* (pp. 240-243). IEEE.		36		2
		Skorpil, V., & Zednicek, P. (2010, November). Model of parts of active network element. In *In Proceedings of the European Conference of Communications–ECCOM'10* (pp. 56-61).		37		2
Susnea, I., Vasiliu, G., Filipescu, A., Serbencu, A., & Radaschin, A. (2009, August). Virtual pheromones to control mobile robots. a neural network approach. In *2009 IEEE International Conference on Automation and Logistics* (pp. 1962-1967). IEEE.	5	Ravankar, A., Ravankar, A. A., Kobayashi, Y., & Emaru, T. (2016). Avoiding blind leading the blind: Uncertainty integration in virtual pheromone deposition by robots. *International journal of advanced robotic systems*, *13*(6), 1729881416666088.		38		1.66
		Bottone, M., Palumbo, F., Primiero, G., Raimondi, F., & Stocker, R. (2016, October). Implementing virtual pheromones in bdi robots using mqtt and jason (short paper). In *2016 5th IEEE International Conference on Cloud Networking (Cloudnet)* (pp. 196-199). IEEE.		39		1.66
Susnea, I., & Axenie, C. (2015). Cognitive maps for indirect coordination of intelligent agents. *Studies in Informatics and Control*, *24*(1), 111-118.	2	Negulescu, A. E., Negulescu, S. C., & Dzitac, I. (2017). Balancing Between Exploration and Exploitation in ACO. *International Journal of Computers Communications & Control*, *12*(2), 265-275.		40		4
Susnea, I., Vasiliu, G., & Filipescu, A. (2008, October). RFID digital pheromones for generating stigmergic behaviour to autonomous mobile robots. In *WSEAS International Conference. Proceedings. Mathematics and Computers in Science and Engineering* (No. 4). WSEAS.	3	Ravankar, A., Ravankar, A. A., Kobayashi, Y., & Emaru, T. (2016). Avoiding blind leading the blind: Uncertainty integration in virtual pheromone deposition by robots. *International journal of advanced robotic systems*, *13*(6), 1729881416666088.		41		2.66
						129.88

A3.1.2 Citari in publicatii indxate BDI (IEEE Xplore, Scopus, Springerlink, ScienceDirect)

Lucrare citata	Citari		BDI	Nr. aut.	Punctaj

Susnea, I., Minzu, V., & Vasiliu, G. (2009, December). Simple, real-time obstacle avoidance algorithm for mobile robots. In *8th WSEAS International Conference on Computational Intelligence, Man-Machine Systems and Cybernetics (CIMMACS'09)*.	Tuazon, J. P. C., Prado, K. G. V., Cabial, N. J. A., Enriquez, R. L., Rivera, F. L. C., & Serrano, K. K. D. (2016, November). An improved collision avoidance scheme using Artificial Potential Field with fuzzy logic. In *2016 IEEE Region 10 Conference (TENCON)* (pp. 291-296). IEEE.	IEEE	3	1.33
	Choudhury, N., Mandal, R., & Kar, S. K. (2016, March). Bioinspired robot path planning using PointBug algorithm. In *2016 International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT)* (pp. 2638-2643). IEEE.	IEEE	3	1.33
	Wang, T. C. (2015). Obstacle detection and avoidance with noisy measurements using danger zone concepts. *Journal of the Chinese Institute of Engineers*, *38*(8), 1020-1025.	Scopus	3	1.33
	Prabakaran, N., & Kannan, R. J. (2017). Cooperative Sensors for Identifying an Impulsive Events of Asynchronous Environment. In *Proceedings of International Conference on Communication and Networks* (pp. 215-222). Springer, Singapore.	Springer	3	1.33
Susnea, I., & Mitescu, M. (2005). *Microcontrollers in practice* (Vol. 18). Springer Science & Business Media.	Asadi, A. A., Bagheri, S., Imam, A., Jalayeri, E., Kinsner, W., & Sepehri, N. (2016, October). A data acquisition system based on Raspberry Pi: Design, construction and evaluation. In *2016 IEEE 7th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON)* (pp. 1-5). IEEE.	IEEE	2	2
Susnea, I., Filipescu, A., Vasiliu, G., Coman, G., & Radaschin, A. (2010, June). The bubble rebound obstacle avoidance algorithm for mobile robots. In *IEEE ICCA 2010* (pp. 540-545). IEEE.	Dumitrascu, B., Filipescu, A., Petrea, G., Filipescu, S., Minca, E., & Voda, A. (2013, October). Laser-based obstacle avoidance algorithm for four driving/steering wheels autonomous vehicle. In *2013 17th International Conference on System Theory, Control and Computing*	IEEE	5	0.8

15

	(ICSTCC) (pp. 187-192). IEEE.			
	Ferrera, E., Capitán, J., Castaño, A. R., & Marron, P. J. (2017). Decentralized safe conflict resolution for multiple robots in dense scenarios. *Robotics and Autonomous Systems*, *91*, 179-193.	Scopus	5	0.8
	Filipescu, A., Dumitrascu, B., Filipescu, A., Ciubucciu, G., Minca, E., & Voda, A. (2015, October). Sliding-mode control and sonnar based bubble rebound obstacle avoidance for a WMR. In *2015 19th International Conference on System Theory, Control and Computing (ICSTCC)* (pp. 105-110). IEEE.	IEEE	5	0.8
	Sebastian, S., & Claudiu, L. (2016, October). Obstacle avoidace algorithm. In *2016 IEEE 22nd International Symposium for Design and Technology in Electronic Packaging (SIITME)* (pp. 262-265). IEEE.	IEEE	5	0.8
Cocu, A., Pecheanu, E., & Susnea, I. (2015). Stimulating creativity through collaboration in an innovation laboratory. *Procedia-Social and Behavioral Sciences*, *182*, 173-178.	Roznowski, R. (2018). Reforming Theatrical Education from Its Extrovert-Based Model. In *Creativity in Theatre* (pp. 105-120). Springer, Cham.	Springer	3	1.33
Susnea, I., Pecheanu, E., Tudorie, C., & Cocu, A. (2014, October). The education for creativity– the only student's tool for coping with the uncertainties of the future. In *MAC ETEL 2014– International Conference on Education, Teaching and e-Learning, Prague, Oct*.	Salako, O., Gardner, M., & Callaghan, V. (2017, June). Towards Online Immersive Collaborative Innovation Spaces. In *International Conference on Immersive Learning* (pp. 3-13). Springer, Cham.	Springer	4	1
	Hennig, A., Gembaczka, P., Cousin, L., & Grabmaier, A. (2018, June). Smart Self-Sufficient Wireless Current Sensor. In *Smart SysTech 2018; European Conference on Smart Objects, Systems and Technologies* (pp. 1-6). VDE.	IEEE	4	1
Susnea, I. (2015). Engineering human stigmergy. *International*	Palumbo, F., La Rosa, D., & Ferro, E. (2016). Stigmergy-based Long-Term Monitoring of Indoor Users Mobility	IEEE	1	4

16

Journal of Computers Communications & Control, *10*(3), 420-427.	in Ambient Assisted Living Environments: the DOREMI Project Approach. In *AI* AAL@ AI* IA* (pp. 18-32).			
Susnea, I., Pecheanu, E., Cocu, A., & Hudec, G. (2017, October). Improved occupancy-based solutions for energy saving in buildings. In *2017 5th International Symposium on Electrical and Electronics Engineering (ISEEE)* (pp. 1-5). IEEE.	Ardiyanto, D., Pipattanasomporn, M., Rahman, S., & Hariyanto, N. (2018, October). Occupant-based HVAC Set Point Interventions for Energy Savings in Buildings. In *2018 International Conference and Utility Exhibition on Green Energy for Sustainable Development (ICUE)* (pp. 1-6). IEEE.	IEEE	4	1
Filipescu, A., Susnea, I., & Stamatescu, G. (2009, August). Control of mobile platforms as robotic assistants for elderly. In *2009 7th Asian Control Conference* (pp. 1456-1461). IEEE.	Kansiz, A. O., & Güvensan, M. A. (2013, April). Mobil telefon ile kaza tespiti accident recognition using mobile phone. In *2013 21st Signal Processing and Communications Applications Conference (SIU)* (pp. 1-4). IEEE.	IEEE	3	1.33
Susnea, I., Vasiliu, G., & Filipescu, A. (2008, October). RFID digital pheromones for generating stigmergic behaviour to autonomous mobile robots. In *WSEAS International Conference. Proceedings. Mathematics and Computers in Science and Engineering* (No. 4).	Hentout, A., Tiberkak, A., Maoudj, A., Berkat, L., & Abeb, A. (2018, November). Virtual pheromone-based approach for objects searching in RFID-based cyber-physical robotic systems. In *2018 International Conference on Applied Smart Systems (ICASS)* (pp. 1-7). IEEE.	IEEE	3	1.33
16 citari - Punctaj total:				**21.51**

Criteriul A3.2

Membru in colectivele de redactie sau comitetele stiintifice ale revistelor indexate ISI, membrul in comitete de organizare ale unor manifestari stiintifice internationale indexate ISI

Nr.	Revista/conferinta	Punctaj
1	Studies in Informatics and Control ISSN:1220-1776 https://sic.ici.ro/editorial-staff/	10
2	12th WSEAS International Conference on Applied Computer Science (ACS '12)	10

	http://www.wseas.us/e-library/conferences/2012/Singapore/ACCIDS/ACCIDS-00.pdf	
3	11th WSEAS International Conference on Circuits, Systems, Electronics, Control & Signal Processing (CSECS '12) http://www.wseas.org/multimedia/books/2012/Montreux/ACSAM.pdf	10
4	RoEduNet 2019 https://conference.roedu.net/index.php/roedunetconf/2019/about/organizingTeamBio/553	10
5	17th WSEAS International Conference on Circuits (PART OF CSCC '13) http://www.wseas.org/wseas/cms.action?id=4339	10
6	16th WSEAS International Conference on Communications (part of CSCC '12) http://www.wseas.org/multimedia/books/2012/Kos/COMCOM.pdf	10
7	ISPRA'13 12th WSEAS International Conference on Signal Processing, Robotics and Automation, http://wseas.org/wseas/cms.action?id=2353	10
8	ICAT'13 4th International Conference on Automotive and Transportation Systems http://naun.org/wseas/cms.action?id=3868	10
9	SENSIG'13 6th WSEAS International Conference on Sensors and Signals http://www.wseas.org/wseas/cms.action?id=3166	10
10	AEE'13 12th WSEAS International Conference on Applications of Electrical Engineering http://www.wseas.org/cms.action?id=2078	10
11	ISEEE 2017 http://www.iseee.ugal.ro/2017/files/conference%20organizing%20committee.html	10
12	ICSTCC 2018 http://www.icstcc.ugal.ro/2018/index.php/committees/technical-program-committee	10
	Total:	**120**

Criteriul A3.3 Membru in colectivele de redactie sau comitetele stiintifice ale revistelor indexate ISI, membrul in comitete de organizare ale unor manifestari stiintifice internationale indexate ISI

Nr.	Revista/conferinta	Punctaj
1	ISEEE 2013 http://www.aciee.ugal.ro/ISEEE/2013/conference%20local%20committee.html	**6**
2	ICSTCC2012 http://www.ace.tuiasi.ro/users/103/Second%20Call%20for%20Paper_ICSTCC-2012.pdf	**6**
	Total:	**12**

Criteriul A3.4 Premii in domeniu

Nr.	Manifestare	Punctaj
1	Salonul international UGAL INVENT Editia 2014 – Medalie de bronz pentru inventia " Sistem de navigatie pentru vehicule" RO127555 (A2) http://www.invent.ugal.ro/2014Invent/docs/291014_bronze%20medals.pdf	15

2	Winner of the Open Innovation Challenge nr. 9932987 Describe Large-Scale Uses for Human-Machine Teamwork, organized by Innocentive	15
	Total:	**30**

Total criteriu A3 - Recunoasterea si impactul activitatii: 313.39 puncte