

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

Candidat Conf. Dr. Ing. Matei Oliviu
Domeniul Calculatoare si Tehnologia Informatiei

Nr. Crt	Domeniul activ.		Subcategoriilor	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	0	0,00
		Material didactic/lucrari didactice	Manuale didactice	A1.1.2. nationale	20	4	80,00
				A1.2.1.	10	2	20,00
Total punctaj A(1)						100,00	
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	15	216,36
		Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)		A2.2	20 / nr. de autori	16	205,00
		Proprietate intelectuala, brevete de inventie, certificate ORDA		A2.3.1. internationale	35 / nr. de autori	0	0,00
				A2.3.2. nationale	25 / nr. de autori	0	0,00
		Granturi/proiecte castigate prin competitie	Director / responsabil	A2.4.1.1. internationale	20 * ani de desfasurare	1	80,00
			Membru in echipa	A2.4.1.2. nationale	10 * ani de desfasurare	2	60,00
				A2.4.2.1. internationale	4 * ani de desfasurare	1	8,00
		A2.4.2.2. nationale	2 * ani de desfasurare	1	6,00		
Total punctaj A(2)						575,36	
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	37	152,00
				A3.1.2. BDI	4 / nr aut art. citat	43	85,00
		Prezentari invitate in plenumul unor manifestari stiintifice nationale si internationale si profesor invitat	Punctaj unic pentru fiecare activitate	A3.2.1. internationale		0	0,00
		Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, internationale indexate ISI	Punctaj unic pentru fiecare activitate	A3.2.2. nationale	5	0	0,00
				A3.3.1. ISI	10	2	20,00
		Premii in domeniu		A3.3.2. BOI	6	2	12,00
				A3.3.3. nationale si internationale neindexate	3	1	3,00
A3.4.1. Academia Romana, ASTR, academii de ramura, premii internationale	15			0	0,00		
		A3.4.2. premii nationale in domeniu	5	3	15,00		
Total punctaj A(3)						287,00	

Conditii minimale A1			
Nr.	Domeniu de activitate (A)	Necesar Profesor	Realizat
A1	Activitatea didactica / profesionala (A1)	100	100,00
A2	Activitatea de cercetare (A2)	500	575,36
A3	Recunoasterea impactului activitatii (A3)	100	287,00
Total (A)		700	962,36

Conditii minimale obligatorii pe subcategorii			
		Necesar profesor	Realizat
A1.1.1.-A1.1.2	Carti si capitole in carti de specialitate	4	4
A1.2.1-A1.2.2	Material didactic / Lucrari didactice	2	2
A2.1.	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	12	15
A2.4.1	Granturi/proiecte castigate prin competitie (Director/ responsabil)	2	3
A3.1.1-A3.1.2	Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI sau BDI	20	80
	Factor de impact cumulat pentru publicatii	6	9,189

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
1	Oliviu Matei	Theoretical and Practical Applications of Evolutionary Computation in Solving Combinatorial Optimization Problems, ISBN 978-606-737-049-2	Ed. U.T.PRESS Cluj-Napoca	2015
2	Claudia Matei, Oliviu Matei	Tehnici de data mining si ontologii aplicate in analiza radiografiilor toracice, ISBN: 978-973-662-963-1	Ed. U.T.PRESS Cluj-Napoca	2014
3	Oliviu Matei	Design and Development of the Manura Robot, ISBN: 978-973-662-961-7+D77	Ed U.T.PRESS Cluj-Napoca	2014
4	Liviu Gavrilescu, Oliviu Matei	Totul despre comerțul electronic	Ed. Risoprint	2008

A1.2.1. Materiale didactice

Nr.	Autori	Titlu lucrare / carte	Editura	Anul
1	Oliviu Matei	Managementul proiectelor software. Indrumar de laborator	U.T. Press Cluj-Napoca	2013
2	Oliviu Matei	Evolutionary computation: principles and practices	Risoprint	2008

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

Nr.	Autori	Titlu lucrare / revista (conferinta)	Factor de impact	Nr. Autori	Punctaj
1	Oliviu Matei, Petrica Pop, Jozsef Sas, Camelia Chira	An improved immigration memetic algorithm for solving the heterogeneous fixed fleet vehicle routing problem, in NEUROCOMPUTING, vol. 150, pp. 58-66, 2015.	2	4	16,275
2	Petrica Pop, Oliviu Matei, Calin-Adrian Comes	Reducing the bandwidth of a sparse matrix with a genetic algorithm, in OPTIMIZATION, vol. 63, no. 12, pp. 1851-1876, 2014.	0,771	3	13,47333333
3	O. Matei, P. Pop, H. Valean	Optical character recognition in real environments using neural networks and k-nearest neighbor, in APPLIED INTELLIGENCE, vol. 39, no. 4, pp. 739-748, 2013.	0	3	8,333333333
4	Petrica Pop, Oliviu Matei	A memetic algorithm approach for solving the multidimensional multi-way number partitioning problem, in APPLIED MATHEMATICAL MODELLING, vol. 37, no. 22, pp. 9191-9202, 2013.	2	2	34,08

5	Petrica Pop, Oliviu Matei, Corina Sitar	An improved hybrid algorithm for solving the generalized vehicle routing problem, in NEUROCOMPUTING, vol. 109, pp. 76-83, 2013.	2	3	21,7
6	P. Pop, O. Matei	A Genetic Programming Approach for Solving the Linear Ordering Problem, in HYBRID ARTIFICIAL INTELLIGENT SYSTEMS, PT II, vol. 7209, pp. 331-338, 2012.	0,25	2	15
7	P. Pop, O. Matei	An Improved Heuristic for the Bandwidth Minimization Based on Genetic Programming, in HYBRID ARTIFICIAL INTELLIGENT SYSTEMS, PART II, vol. 6679, pp. 67-74, 2011.	0,25	2	15
8	Petrica Pop, Oliviu Matei, Cosmin Sabo	A Memetic Algorithm for Solving the Generalized Minimum Spanning Tree Problem, in SOFT COMPUTING IN INDUSTRIAL APPLICATIONS, vol. 96, pp. 187-194, 2011.	0,25	3	10
9	Petrica Pop, Oliviu Matei, Honoriu Valean	An Efficient Hybrid Soft Computing Approach to the Generalized Vehicle Routing Problem, in SOFT COMPUTING MODELS IN INDUSTRIAL AND ENVIRONMENTAL APPLICATIONS, 6TH INTERNATIONAL CONFERENCE SOCO 2011, vol. 87, pp. 281-289, 2011.	0,25	3	10
10	P. Pop, O. Matei, C. Sitar, C. Chira	A Genetic Algorithm for Solving the Generalized Vehicle Routing Problem, in HYBRID ARTIFICIAL INTELLIGENCE SYSTEMS, PT 2, vol. 6077, pp. 119-126, 2010.	0,25	4	7,5
11	P. Pop, O. Matei, C. Sabo	A New Approach for Solving the Generalized Traveling Salesman Problem, in HYBRID METAHEURISTICS, vol. 6373, pp. 62-72, 2010.	0,25	3	10
12	Oliviu Matei	Ontology-Based Knowledge Organization for the Radiograph Images Segmentation, in ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol. 8, no. 1, pp. 56-61, 2008.	0	1	25
13	O. Matei, D. Contras, P. Pop	Applying evolutionary computation for evolving ontologies, In Proceedings of the 2014 IEEE Congress on Evolutionary Computation, CEC 2014, pp. 1520-1527, 2014.	0,25	3	10
14	Chlver, Olivian, Liviu Neamt, and Oliviu Matei	Comparative study on sudden short-circuit currents of a synchronous generator, <i>Environment and Electrical Engineering (EEEIC), 2015 IEEE 15th International Conference on</i> . IEEE, 2015.	0,25	3	10
15	Neamt, Liviu, Oliviu Matei, and Olivian Chlver	Optimised methodology for stepper motor simulation, <i>Environment and Electrical Engineering (EEEIC), 2015 IEEE 15th International Conference on</i> . IEEE, 2015.	0,25	3	10
		Factor impact cumulat	9,189		
		Total punctaj A2.1.			216,3616667

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	P.C. Pop, O. Matei	A genetic algorithm approach for the multidimensional two-way number partitioning problem, in Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 7997 LNCS, pp. 81-86, 2013.	Scopus	2	10,000
2	P.C. Pop, O. Matei	Increasing the antibandwidth of sparse matrices by a genetic algorithm, in Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 7906 LNAI, pp. 242-251, 2013.	Scopus	2	10,000
3	O. Matei, P.C. Pop, H. Valean	A robust approach to digit recognition in noisy environments, in Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 7345 LNAI, pp. 606-615, 2012.	Scopus	3	6,667
4	O. Matei, P. Pop	An efficient genetic algorithm for solving the generalized traveling salesman problem, in Proceedings - 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing, ICCP10, pp. 87-92, 2010.	Scopus	2	10,000
5	Matei, Oliviu, Diana Contras, and Honoriu Valean	Relational Crossover in Evolutionary Ontologies." 10th International Conference on Soft Computing Models in Industrial and Environmental Applications. Springer International Publishing, 2015.	Scopus	3	6,667
6	Oliviu Matei	Defining an Ontology for the Radiograph Images Segmentation, in 9th International Conference on Development and Application Systems, 2008. http://www.dasconference.ro/papers/2008/F2.pdf	Google Scholar	1	20,000
7	Oliviu Matei	O ARHITECTURA, SOFTWARE IERARHIZATĂ, PENTRU ROBOTII AUTONOMI MOBILI, Revista Romana de Informatica si Automatica, vol 17(1), 2007, http://rria.ici.ro/ria2007_1/art02.html	Google Scholar	1	20,000
8	O. Matei	Applying rough sets algorithm for radiography diagnosis, in Proceedings of 9th International Conference on Development and Application Systems, pp. 272-77-2008.	Google Scholar	1	20,000
9	Petrica Pop, Oliviu Matei, Emil Burzu, Cornelia Gyrodol	A Computational Analysis of Heuristic Algorithms on Generalized Vehicle Routing Problem, in Journal of Computer Science and Control Systems, vol. 4, no. 1, 2011.	Google Scholar	4	5,000
10	Petrica Pop, Oliviu Matei	An Efficient Metaheuristic Approach for Solving a Class of Matrix Optimization Problems, in METAHEURISTICS AND ENGINEERING, pp. 17, 2014	Google Scholar	2	10,000
11	Oliviu Matei, Diana Contras, Alina Pintescu	Why Evolutionary Ontologies are a completely different field than Genetic Algorithms., in Carpathian Journal of Electronic & Computer Engineering, vol. 7, no. 1, 2014, http://cjece.ubm.ro/vol/7-2014/104-7106.pdf	Google Scholar	3	6,667
12	Oliviu Matei	Carpathian Journal of Electrical Engineering, vol. 8(1), 2014, http://www.ubm.ro/sites/cee/images/stories/download/neamt/cjee/carpathian_2014.pdf#page=3	Google Scholar Inspec	1	20,000

13	Oliviú Matei	Robot Localization Using Neural Networks., in Carpathian Journal of Electronic & Computer Engineering, vol. 3, no. 1, 2010, http://cjeece.ubm.ro/vol3.html , http://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrn=18449689&AN=58515626&h=bxK1GFxWqYkYfloxDzx3d50byWise7MyePdYHzGHIn0LQ4yGI451Xn4dAqkR5IRbtK6VGzaTx2LRk6URwItH5YA%3d%3d&cri=c&resultNs=AdminWebAuth&resultLocal=ErrCrIProfile&crihashurl=logIn.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrn%3d18449689%26AN%3d58515626	Google Scholar	1	20,000
14	Matei, Oliviú, and Diana Contras	"Advanced genetic operators in the context of evolutionary ontology." Evolutionary Computation (CEC), 2015 IEEE Congress on. IEEE, 2015.	Google Scholar	2	10,000
15	Oliviú Matei	"Using Genetic Algorithms for Exploring the Solution Space in the Case of Automated Product Design", Applied Mechanics and Materials, Vols. 809-810, pp. 1516-1521, Nov. 2015	Google Scholar	1	20,000
16	Diana Contras, Oliviú Matei	Why Evolutionary Ontologies are not Genetic Programming", Carpathian Journal of Electronic and Computer Engineering, vol. 8, nr. 1, 2015	Google Scholar	2	10,000

Total punctaj A2.4.1

205,000

A2.3.1. Proprietate Intelectuala - International

Nr.	Autor	Brevet	Nr. Brevet	Nat/intern	Punctaj
Total					
0					

A2.3.2. Proprietate Intelectuala - national

Nr.	Autor	Brevet	Nr. Brevet	Nat/intern	Punctaj
Total					
0					

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

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	International (coordonator ATB Bremen) Manager pentru UTCN	ProSEco - innovative design of personalised product-services and of their production processes based on collaborative environments Innovative design of personalised product-services and of their production processes based on collaborative environments, FP7. Parteneri: Electrolux, VW, Desma, Tecnalía, OpenGroup	2013 - 2017	4	80
2	National (coordonator, Universitatea Tehnica din Cluj-Napoca), manager	Suport ProSEco - Capacitati, Capacitati, UEFISCDI	2013 - 2017	4	40
3	National (coordonator USAMV Cluj-Napoca) Manager pentru HOLISUN	Sistem expert pentru monitorizarea riscurilor in agricultura si adaptarea tehnologiilor agricole conservative la schimbarile climatice, PN II, UEFISCDI. Parteneri: USAMV Bucuresti, Holisun, Institutul de Cercetari Turda	2014 - 2016	2	20
Total punctaj A2.4.1					140

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

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	International (coordonator - UTCN), manager de proiect - conf. dr. ing. Petrica Pop	Hybrid bi-level optimization approaches for generalized network design problems, bilateral project between Romania and Austria, 2014-2015	2014-2015	2	8
2	National (coordonator UTCN), manager de proiect - conf. dr. ing. Petrica Pop	New hybrid metaheuristics methods for solving network design (2012-2014), PN-II-RU-TE-2011-3-0113	2012-2014	3	6
Total punctaj A2.4.1					14

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	Matei, O.; Pop, P. C.; Valean, H., Optical character recognition in real environments using neural networks and k-nearest neighbor, APPLIED INTELLIGENCE Volume: 39 Issue: 4 Special issue: SI Pages: 739-748 Published: DEC 2013	Lin, Yaojin; Li, Jinjin; Lin, Menglei; et al., A new nearest neighbor classifier via fusing neighborhood information, NEUROCOMPUTING Volume: 143 Special issue: SI Pages: 164-169	3	2,666667
2		Oliva, Diego; Cuevas, Erik; Pajares, Gonzalo; et al., Template matching using an improved electromagnetism-like algorithm, APPLIED INTELLIGENCE Volume: 41 Issue: 3 Pages: 791-807	3	2,666667
3		Xu, Yitian; Wang, Lisheng, K-nearest neighbor-based weighted twin support vector regression, APPLIED INTELLIGENCE Volume: 41 Issue: 1 Pages: 299-309 Published: JUL 2014	3	2,666667

4		Diaz-Escobar, Julia; Kober, Vitaly, Nonlinear fitting for character recognition in low quality document images, APPLICATIONS OF DIGITAL IMAGE PROCESSING XXXVII Book Series: Proceedings of SPIE Volume: 9217, Article Number: 921706 Published: 2014	3	2,6666667
5		Owusu, Ebenezer, Yonzhao Zhan, and Qi Rong Mao. "An SVM-AdaBoost facial expression recognition system." <i>Applied Intelligence</i> 40.3 (2014): 536-545.	3	2,6666667
6		Álvarez, D., R. Fernández, and L. Sánchez. "Stroke-based intelligent character recognition using a deterministic finite automaton." <i>Logic Journal of IGPL</i> (2015): jzv017.	3	2,6666667
6	Pop, Petrica C.; Matei, OIiviu, A memetic algorithm approach for solving the multidimensional multi-way number partitioning problem, APPLIED MATHEMATICAL MODELLING Volume: 37 issue: 22 Pages: 9191-9202	Kratica, Jozef; Kojic, Jelena; Savic, Aleksandar, Two metaheuristic approaches for solving multidimensional two-way number partitioning problem, COMPUTERS & OPERATIONS RESEARCH Volume: 46 Pages: 59-68 Published: JUN 2014	2	4
7	Pop, Petrica C.; Matei, OIiviu; Sitar, Corina Pop, An improved hybrid algorithm for solving the generalized vehicle routing problem, NEUROCOMPUTING Volume: 109 Special issue: SI Pages: 76-83	Krichen, Saoussen; Faiz, Sami; Tlili, Takwa; et al., Tabu-based GIS for solving the vehicle routing problem, EXPERT SYSTEMS WITH APPLICATIONS Volume: 41 Issue: 14 Pages: 6483-6493 Published: OCT 15 2014	3	2,6666667
8		Chira, Camelia; Sedano, Javier; Villar, Jose R.; et al., Urban bicycles renting systems: Modelling and optimization using nature-inspired search methods, Proc. HAIS 2014, LNCS, Volume: 8480 Pages: 13-24 Published: 2014	3	2,6666667
9		Pintea, Camelia-Mihaela. <i>Advances in bio-Inspired computing for combinatorial optimization problems</i> . Springer, 2014.	3	2,6666667
10		Drexli, Michael. "Applications of the vehicle routing problem with trailers and transshipments." <i>European Journal of Operational Research</i> 227.2 (2013): 275-283.	3	2,6666667
11		Tlili, Takwa, and Saoussen Krichen. "An Iterated Local Search Platform for Transportation Logistics." <i>Information Sciences and Systems 2014</i> . Springer International Publishing, 2014. 79-85.	3	2,6666667
12		Vidal, Thibaut, et al. "Hybrid Metaheuristics for the Clustered Vehicle Routing Problem." <i>Computers & Operations Research</i> (2014).	3	2,6666667
13		Andreica, Anca, and Camelia Chira. "Best-order crossover for permutation-based evolutionary algorithms." <i>Applied Intelligence</i> 42.4 (2015): 751-776.	3	2,6666667
14		Poonboon, Chatchai, et al. "An optimized genetic routing approach for constrained shortest path selections." <i>Digital Information and Communication Technology and It's Applications (DICTAP), 2014 Fourth International Conference on</i> . IEEE, 2014.	3	2,6666667
15		Fidanova, Stefka, and Petrică Pop. "An improved hybrid ant-local search algorithm for the partition graph coloring problem." <i>Journal of Computational and Applied Mathematics</i> (2015).	3	2,6666667
16		Beheshti, Ali Kourank, and Seyed Reza Hejazi. "A novel hybrid column generation-metaheuristic approach for the vehicle routing problem with general soft time window." <i>Information Sciences</i> 316 (2015): 598-615.	3	2,6666667
17		Chen, Ruey-Maw, and Yin-Mou Shen. "Novel Encoding and Routing Balance Insertion Based Particle Swarm Optimization with Application to Optimal CVRP Depot Location Determination." <i>Mathematical Problems in Engineering</i> 501 (2015): 743507.	3	2,6666667
18	Pop, Petrica C.; Matei, OIiviu, A Genetic Programming Approach for Solving the Linear Ordering Problem, HYBRID ARTIFICIAL INTELLIGENT SYSTEMS, vol. 7209 Pages: 331-338 Published: 2012	Ceberio, Josu; Mendiburu, Alexander; Lozano, Jose A., The linear ordering problem revisited, EUROPEAN JOURNAL OF OPERATIONAL RESEARCH Volume: 241 Issue: 3 Pages: 686-696, 2015	2	4
19		Pintea, Camelia-Mihaela. <i>Advances in bio-Inspired computing for combinatorial optimization problems</i> . Springer, 2014.	2	4
20	Pop, Petrica; Matei, OIiviu; Sabo, Cosmin, A Memetic Algorithm for Solving the Generalized Minimum Spanning Tree Problem, Advances in intelligent and Soft Computing, Volume: 96 Pages: 187-194 Published: 2011	Bergantinos, G.; Gomez-Rua, M.; Llorca, N.; et al., A new rule for source connection problems, EUROPEAN JOURNAL OF OPERATIONAL RESEARCH Volume: 234 Issue: 3 Pages: 780-788 Published: 2014	3	2,6666667

21	Pop, Petria; Matei, Oľiviu; Valean, Honoriu, An Efficient Hybrid Soft Computing Approach to the Generalized Vehicle Routing Problem, Proc SOCO 2011, Volume: 87 Pages: 281-289	Krichen, Saoussen; Faiz, Sami; Tlili, Takwa; et al., Tabu-based GIS for solving the vehicle routing problem, EXPERT SYSTEMS WITH APPLICATIONS Volume: 41 Issue: 14 Pages: 6483-6493 Published: OCT 15 2014	3	2,6666667
22		Naji-Azimi, Zahra; Saları, Majid, A complementary tool to enhance the effectiveness of existing methods for heterogeneous fixed fleet vehicle routing problem, APPLIED MATHEMATICAL MODELLING Volume: 37 Issue: 6 Pages: 4316-4324 Published: MAR 15 2013	3	2,6666667
23	Pop, P. C.; Matei, O.; Sitar, C. Pop; et al., A Genetic Algorithm for Solving the Generalized Vehicle Routing Problem, HAIS, Lecture Notes in Artificial Intelligence, vol. 6077 Pages: 119-126 Published: 2010	Afsar, H. Murat; Prins, Christian; Santos, Andrea Cynthia, Exact and heuristic algorithms for solving the generalized vehicle routing problem with flexible fleet size, INTERNATIONAL TRANSACTIONS IN OPERATIONAL RESEARCH Volume: 21 Issue: 1 Pages: 153-175, 2014	4	2
24		Hà, Minh Hoàng, et al. "An exact algorithm and a metaheuristic for the generalized vehicle routing problem with flexible fleet size." <i>Computers & Operations Research</i> 43 (2014): 9-19.	4	2
25	Pop, P. C.; Matei, O.; Sabo, C., A New Approach for Solving the Generalized Traveling Salesman Problem, HYBRID METAHEURISTICS Book Series: Lecture Notes in Computer Science Volume: 6373 Pages: 62-72, 2010	Chen, Ming; Li, Xun; Tang, Kai, Optimal air-move path generation based on MMAS algorithm, INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH Volume: 52 Issue: 24 Pages: 7310-7323, 2014	3	2,6666667
26		Pintea, Camelia-Mihaela. <i>Advances in bio-Inspired computing for combinatorial optimization problems</i> . Springer, 2014.	3	2,6666667
27		LI, XUN, and Ming Chen. "A novel algorithm for solving cutting tool path generation." <i>Information Science, Electronics and Electrical Engineering (ISEEE), 2014 International Conference on</i> . Vol. 1. IEEE, 2014.	3	2,6666667
28		Lagaros, Nikos D., and Matthew G. Karlaftis. "A critical assessment of metaheuristics for scheduling emergency infrastructure inspections." <i>Swarm and Evolutionary Computation</i> 1.3 (2011): 147-163.	3	2,6666667
29	Matei, Oľiviu, Ontology-Based Knowledge Organization for the Radiograph Images Segmentation, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 8 Issue: 1 Pages: 56-61 Published:2008	Petrovan, Adrian; Lobontiu, Gabriela; Ravai-Nagy, Sandor, Broadening the Use of Product Development Ontology for One-off Products, Applied Mechanics and Materials Volume: 371, Pages: 878-882 Published: 2013	1	8
30		Stoiculescu-Crisan, Cristina; Holban, Stefan, A Comparison of X-Ray Image Segmentation Techniques, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 13 Issue: 3 Pages: 85-92 Published:2013	1	8
31		Kohli, Divyani; Sliuzas, Richard; Kerle, Norman; et al., An ontology of slums for image-based classification, COMPUTERS ENVIRONMENT AND URBAN SYSTEMS Volume: 36 Issue: 2 Special Issue: SI Pages: 154-163, 2012	1	8
32		Salomie, Ioan; Dinsoreanu, Mihaela; Pop, Cristina; et al., Knowledge Acquisition from Historical Documents for Preserving Transylvanian Cultural Heritage, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 9 Issue: 2 Pages: 16-22 Published:2009	1	8
33		Stanescu, Liana; Burdescu, Dumitru, Information Structuring and Retrieval with Topic Maps for Medical E-Learning, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 9 Issue: 3 Pages: 27-33 Published:2009	1	8
34	O Matei, Defining an Ontology for the Radiograph Images Segmentation 9th International Conference on Development and Application Systems	Kohli, Divyani, et al. "An ontology of slums for Image-based classification." <i>Computers, Environment and Urban Systems</i> 36.2 (2012): 154-163.	1	8
35		Petrovan, Adrian, Gabriela Lobontiu, and Sandor Ravai Nagy. "Broadening the Use of Product Development Ontology for One-off Products." <i>Applied Mechanics and Materials</i> 371 (2013): 878-882.	1	8
36		Stanescu, Liana, and Dumitru Burdescu. "Information structuring and retrieval with topic maps for medical E-learning." <i>Advances in Electrical and Computer Engineering</i> 9.3 (2009): 27-33.	1	8
37		Cernazanu-Glavan, Cosmin, and Stefan Holban. "Segmentation of bone structure in X-ray images using convolutional neural network." <i>Adv. Electr. Comput. Eng</i> 13.1 (2013): 87-94.	1	8

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

Nr.	Articol citat	Articol care citeaza	Numar autori art.citat	Punctaj
1	A genetic algorithm for solving the generalized vehicle routing problem PC Pop, O Matei, CP Sitar, C Chira Hybrid Artificial Intelligence Systems, 119-126	Afsar, H. Murat, Christian Prins, and Andréa Cynthia Santos. "Exact and heuristic algorithms for solving the generalized vehicle routing problem with flexible fleet size." <i>International Transactions in Operational Research</i> 21.1 (2014): 153-175.	4	1
2		Chira, Camelia, et al. "Evolutionary model support for urban bicycles renting systems." <i>Intelligent Systems Design and Applications (ISDA), 2011 11th International Conference on</i> . IEEE, 2011.	4	1
3		Ha, Minh Hoang. <i>Modélisation et résolution de problèmes généralisés de tournées de véhicules</i> . Diss. Ecole des Mines de Nantes, 2012.	4	1
4		Chandramouli, A., L. Vivek Srinivasan, and T. I. Narendran. "Efficient Heuristics for Large-Scale Vehicle Routing Problems Using Particle Swarm Optimization." <i>International Journal of Green Computing (IJGC)</i> 3.2 (2012): 34-50.	4	1
5		Antonanzas-Iorres, Javier, et al. "Optimization of solar integration in combined cycle gas turbines (ISCC)." <i>International Joint Conference SOCO'13-CISIS'13-ICEUTE'13</i> . Springer International Publishing, 2014.	4	1
6		Pierre, Djamaladine Mahamat, and Nordin Zakaria. "Partially Optimized Cyclic Shift Crossover for Multi-Objective Genetic Algorithms for the multi-objective Vehicle Routing Problem with time windows." <i>Computational Intelligence in Multi-Criteria Decision-Making (MCDM), 2014 IEEE Symposium on</i> . IEEE, 2014.	4	1
7	An improved hybrid algorithm for solving the generalized vehicle routing problem PC Pop, O Matei, CP Sitar Neurocomputing 109, 76-83	Booyavi, Zahra, et al. "An improved optimization method based on the intelligent water drops algorithm for the vehicle routing problem." <i>Computational Intelligence in Production and Logistics Systems (CIPLS), 2014 IEEE Symposium on</i> . IEEE, 2014.	3	1,3333333
8		许茂培, et al. "综合成本最小的低规模车辆调度问题及算法." <i>计算机集成制造系统</i> (2015): 1.	3	1,3333333
9		杨凡, 李廷强, and 王程家. "柔性调度层次计划编制的一种混合改进算法." <i>控制与决策</i> (2014): 0-0.	3	1,3333333
10		Braekers, Kris, Katrien Ramaekers, and Inneke Van Nieuwenhuysse. "The Vehicle Routing Problem: State of the Art Classification and Review." <i>Computers & Industrial Engineering</i> (2015).	3	1,3333333
11	Defining an Ontology for the Radiograph Images Segmentation O Matei 9th International Conference on Development and Application Systems	Petrovan, Adrian, and Mircea Lobontiu. "ONTOLOGY BASED INNOVATIVE SUPPORT IN INDUSTRIAL PRODUCT DEVELOPMENT."	1	4
12		Contraş, Diana, and Alina Pintescu. "Defining spatial relations in a specific ontology for automated scene creation." <i>Carpathian Journal of Electronic & Computer Engineering</i> 6.1 (2013).	1	4
13		Minelli, Leonardo, Lisandra Manzoni Fontoura, and Marcos Cordeiro d'Ornellas. "Definição de um processo de desenvolvimento de software de imageamento médico baseado em OpenUP."	1	4
14		Petrovan, Adnan, et al. "Ontological Approach to Structuring of Industrial Products." <i>Scientific Bulletin Series C: Fascicle Mechanics, Tribology, Machine Manufacturing Technology</i> 28 (2014): 75.	1	4
15		CONTRAS, DJANA, ALINA PINTESCU, and H. Velean. "Developing an ontology for automated scene creation." <i>Creative Mathematics and Informatics</i> , 23(2014), no. 2, pp. 183-190	1	4
16	An efficient genetic algorithm for solving the generalized traveling salesman problem O Matei, P Pop Intelligent Computer Communication and Processing (ICCP), 2010 IEEE ...	Mou, Lianming. "An efficient ant colony system for solving the new generalized traveling salesman problem." <i>Cloud Computing and Intelligence Systems (CCIS), 2011 IEEE International Conference on</i> . IEEE, 2011.	2	2
17		Lian-Ming, Mou. "A novel ant colony system with double pheromones for the generalized TSP." <i>Natural Computation (ICNC), 2011 Seventh International Conference on</i> . Vol. 4. IEEE, 2011.	2	2
18		Lian-Ming, Mou. "The continuous selective generalized traveling salesman problem: An efficient ant colony system." <i>Natural Computation (ICNC), 2012 Eighth International Conference on</i> . IEEE, 2012.	2	2
19		Neamt, Liviu, et al. "Considerations about power system grounding for different soil structure." <i>Electrical and Power Engineering (EPE), 2014 International Conference and Exposition on</i> . IEEE, 2014.	2	2
20		Bryan, Everett A. "Cooperative Target Tracking Enhanced with the Sequence Memoizer." (2013).	2	2
21		Krys, Jan. "Exploration Strategies for Mobile Robots."	2	2

22		Joly, Iania. "Développement d'un algorithme de type voyageur de commerce généralisé pour un problème de trajet optimal dans une ville." (2011).	2	2
23	Evolutionary Computation: Principles and Practices O Matei Risoprint	Contraş, Diana, and Alina Pintescu. "Defining spatial relations in a specific ontology for automated scene creation." <i>Carpathian Journal of Electronic & Computer Engineering</i> 6.1 (2013).	1	4
24		CONTRAS, DIANA, ALINA PINTESCU, and H. Valean. "Developing an ontology for automated scene creation.," <i>Creative Mathematics and Informatics</i> , 23(2014), no. 2, pp. 183-190	1	4
25	Optical character recognition in real environments using neural networks and k-nearest neighbor O Matei, PC Pop, H Vălean Applied Intelligence 39 (4), 739-748	Rasyidi, Mohammad Arif, Jeongmin Kim, and Kwang Ryel Ryu. "Short-Term Prediction of Vehicle Speed on Main City Roads using the k-Nearest Neighbor Algorithm." <i>저능공학연구</i> 20.1 (2014): 121-131.	3	1,3333333
26		Rekdal, John Erik. "Cross-compenson of Digital and Digitized Physical Evidence." (2014).	3	1,3333333
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28	An Improved Heuristic for the Bandwidth Minimization Based on Genetic Programming PC Pop, O Matei in HYBRID ARTIFICIAL INTELLIGENT SYSTEMS, PART II, vol. 6679, pp. 67-74, 2011.	Mafeiu-Scai, Liviu Octavian. "The Bandwidths of a Matrix. A Survey of Algorithms." <i>Annals of West University of Timisoara-Mathematics</i> 52.2 (2014): 183-223.	2	2
29		Koelewijn, Jacob J. "Graph-theoretical aspects of constraint solving in the SST project." (2011).	2	2
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32		李进 陈明. "密集型多轮廓裁片的刀具空行程路径寻优." <i>计算机应用</i> 34.1 (2014): 281-285.	3	1,3333333
33	A Genetic Programming Approach for Solving the Linear Ordering Problem PC Pop, O Matei in HYBRID ARTIFICIAL INTELLIGENT SYSTEMS, PT II, vol. 7209, pp. 331-338, 2012	Sharma, Vijay. <i>LONGTERM SCHEDULE OPTIMIZATION OF AN UNDERGROUND MINE UNDER GEOTECHNICAL AND VENTILATION CONSTRAINTS USING SOT</i> . Diss. Laurentian University of Sudbury 2015.	2	2
34	Reducing the bandwidth of a sparse matrix with a genetic algorithm, in OPTIMIZATION Petrica Pop, Olivlu Matei, Calin-Adrian Comes vol. 63, no. 12, pp. 1851-1876, 2014.	Pradeep, J., E. Srinivasan, and S. Himavathi. "Performance analysis of hybrid feature extraction technique for recognizing English handwritten characters." <i>Information and Communication Technologies (WICT), 2012 World Congress on</i> . IEEE, 2012.	3	1,3333333
35		Alvarez, D., R. Fernandez, and L. Sanchez. "Stroke-based intelligent character recognition using a deterministic finite automaton." <i>Logic Journal of IGPL</i> (2015): jzv017.	3	1,3333333
36		Abdelkader, Kirad, Zebbiche Ioufik, and Boum-jad Mohamed. "Torsional stress in non-circular cross sections by the finite element method." <i>Advances in Mechanical Engineering</i> 7.5 (2015): 1687814015581979.	3	1,3333333
37		Mafeiu-Scai, Liviu Octavian. "The Bandwidths of a Matrix. A Survey of Algorithms." <i>Annals of West University of Timisoara-Mathematics</i> 52.2 (2014): 183-223.	3	1,3333333

38	An Efficient Metaheuristic Approach for Solving a Class of Matrix Optimization Problems, In METAHEURISTICS AND ENGINEERING Petrica Pop, Oliviu Matei pp. 17, 2014	Maftciu-Scai Liviu Octavian. "The Bandwidths of a Matrix. A Survey of Algorithms." <i>Annals of West University of Timisoara-Mathematics</i> 52 2 (2014): 183-223.	2	2
39	An Improved Immigration memetic algorithm for solving the heterogeneous fixed fleet vehicle routing problem O Matei, PC Pop, JL Sas, C Chira <i>Neurocomputing</i> 150, 58-66	Graña, Manuel, and Bogdan Raducanu. "Bioinspired and knowledge based techniques and applications." <i>Neurocomputing</i> 150 (2015): 1-3.	4	1
40	Increasing the Antibandwidth of Sparse Matrices by a Genetic Algorithm PC Pop, O Matei Recent Trends in Applied Artificial Intelligence, 242-251	Neamt, Liviu, et al. "Considerations about power system grounding for different soil structure." <i>Electrical and Power Engineering (EPE), 2014 International Conference and Exposition on</i> . IEEE, 2014.	2	2
41	A Genetic Algorithm Approach for the Multidimensional Two-Way Number Partitioning Problem PC Pop, O Matei Learning and Intelligent Optimization, 81-86	Hacibeyoglu, Mehmet, Vahit Tongur, and Kemal Alaykiran. "Solving the bi-dimensional two-way number partitioning problem with heuristic algorithms." <i>Application of Information and Communication Technologies (AICT), 2014 IEEE 8th International Conference on</i> . IEEE, 2014.	2	2
42	A robust approach to digit recognition in noisy environments O Matei, PC Pop, H Vălean Advanced Research in Applied Artificial Intelligence, 605-615	Pradeep, J., E. Srinivasan, and S. Himavathi. "Performance analysis of hybrid feature extraction technique for recognizing English handwritten characters." <i>Information and Communication Technologies (WICT), 2012 World Congress on</i> . IEEE, 2012.	3	1,3333333
43	Applying rough sets algorithm for radiography diagnosis O Matei Proceedings of 9th International Conference on Development and Application	Srimani, P. K., and Manjula Sanjay Koli. "Knowledge Discovery in Medical Data by Using Rough Set Rule Induction Algorithms." <i>Indian Journal of Science and Technology</i> 7.7 (2014): 905-915.	1	4

Total punctaj A3.1.2.

85

A3.3. Membru in colectivele de redactie

Nr.	Nume Jurnal	URL	Tip (ISI/BDI)	Punctaj
1	Expert Systems with Applications	http://www.journals.elsevier.com/expert-systems-with-applications/	ISI	10
2	International Journal of Advanced Computer Science and Applications (IJACSA)	http://thesai.org/Publications/IJACSA#sthash.WtuOqQva.dpuf	ISI	10
3	Carpathian Journal of Electronics and Computer Engineering	http://cjece.ubm.ro/	BDI	6
4	AQTR 2012	www.aqtr.ro	BDI	6
5	Aloy Journal of Soft Computing and Applications	http://ajscsca.org/	neindexat	3
Total				35

A3.4.2. Premii nationale in domeniul

Nr.	Anul	Descriere premiu	Punctaj
1	2014	http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202014/ACTUALIZARE%2023_12_2014/LISTA%204%20REZULTATE%20-%20actualizata%20-%2018_12_2014.pdf	5
2	2013	http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202014/ACTUALIZARE%2023_12_2014/LISTA%204%20REZULTATE%20-%20actualizata%20-%2018_12_2014.pdf	5
3	2013	http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/LISTA%203%20REZULTATE%2013%20DECEMBRIE.pdf	5

Total punctaj A3.4.2.

15

conf. dr. Ing. Oliviu Matei

06.02.2016