

FIȘĂ DE VERIFICARE A ÎNDEPLINIRII STANDARDULUI PENTRU ABILITARE INFORMATICA

Nume și prenume: **Crișan Gloria Cerasela**

Etica cercetării (perspectiva a)

	Profesor / CPI	Autoevaluare
Îndeplinit / neîndeplinit	Îndeplinit	Îndeplinit

Producția științifică (perspectiva b)

	Profesor / CPI	Autoevaluare		
		Cat. A	Cat. B	Cat. C
Valorile minimele pentru indicatorul P	56 puncte, <i>din care</i> 24 puncte <i>din lucrări de</i> <i>categoria A și</i> 16 puncte <i>din lucrări de cel</i> <i>puțin categoria B</i>	40.00	2.00	21.50
		Total: 63.50		
		Îndeplinit		

DESCRIERE:

Publicații apărute în forumuri (jurnale și conferințe) specifice domeniului **Informatică** ori a subdomeniilor sale de categoria **A**

Publicația	Scorul asociat forumului	Numar de autori	Autoevaluare punctaj	Verificare punctaj
Chira, C., Pinte, C.M., Crișan, G.C. , Dumitrescu, D. - Solving the Linear Ordering Problem Using Ant Models, Genetic and Evolutionary Computation Conference GECCO 2009, Montréal, Canada, 2009. In: Proceedings of the 11th Annual Conference Companion on Genetic and Evolutionary Computation Conference (GECCO 09), 1803-1804, 2009, ACM	8/2 poster	4	2	Poz 113, conferințe 2014
Crainic, T.G., Crișan, G.C. , Gendreau, M., Lahrichi, N., Rei, W. - A Concurrent Evolutionary Approach for Rich Combinatorial Optimization, Genetic and Evolutionary Computation Conference GECCO 2009, Montréal, Canada, 2009. In: Proceedings of the 11th Annual Conference Companion on Genetic and Evolutionary Computation Conference (GECCO 09), 2017-2022, 2009, ACM	8/2 volum separat	5	1.33	Poz 113, conferințe 2014
Crainic, T.G., Crișan, G.C. , Gendreau, M., Lahrichi, N., Rei, W. - Multi-thread Cooperative Optimization for Rich Combinatorial Problems, proceedings of IEEE International Parallel & Distributed Processing Symposium, Rome, Italy, 2284-2291, 2009	8	5	2.67	Poz 607, conferințe 2014
Crișan, G.C. , Pinte, C.M., Palade, V. - Emergency management using Geographic Information Systems: application to the first Romanian Traveling Salesman Problem instance, Knowledge and Information Systems, 50(1) 265-285, 2017	8	3	8	Pag 4, jurnale 2014
Crișan, G.C. , Pinte, C.M., Pop, P.C. - On the Resilience of an Ant-based System in Fuzzy Environments. An Empirical Study, IEEE International Conference on Fuzzy Systems, Beijing, China, 2588-2593, 2014	8	3	8	Poz 583, conferințe 2014

Lahrichi, N., Crainic, T.G., Gendreau, M., Rei, W., Crișan, G.C. , Vidal, T. - An Integrative Cooperative Search Framework for Multi-Decision-Attribute Combinatorial Optimization: Application to the MDPVRP, European Journal of Operational Research, 246, 400-412, 2015	8	6	2	Interogare nonCS
Pintea, C.M., Crișan, G.C. , Chira, C. - Hybrid ant models with a transition policy for solving a complex problem, Logic Journal IGPL, 20, 3, 560-569, 2012	8	3	8	Interogare nonCS
Pintea, C.M., Ludwig, S.A., Crișan, G.C. - Adaptability of a Discrete PSO Algorithm applied to the Traveling Salesman Problem with Fuzzy Data, IEEE International Conference on Fuzzy Systems, Istanbul, Turkey, 1-6, doi: http://dx.doi.org/10.1109/FUZZ-IEEE.2015.7337839 , 2015	8	3	8	Poz 583, conferințe 2014
TOTAL			40.00	

Publicații apărute în forumuri (jurnale și conferințe) specifice domeniului **Informatică** ori a subdomeniilor sale de categoria **B**

Publicația	Scorul asociat forumului	Numar de autori	Autoevaluare punctaj	Verificare punctaj
Czibula, G., Crișan, G.C. , Pintea, C.M., Czibula, I.G. – Soft Computing Approaches on the Bandwidth Problem, Informatica, 24, 2 169-180, 2013	4	4	2	Interogare CS
TOTAL			2.00	

Publicații apărute în forumuri (jurnale și conferințe) specifice domeniului **Informatică** ori a subdomeniilor sale de categoria **C**

Publicația	Scorul asociat forumului	Numar de autori	Autoevaluare punctaj	Verificare punctaj
Crișan, G.C. , Nechita, E. – Solving fuzzy TSP with Ant Algorithms, Proceedings of the International Conference on Computers, Communication and Control ICC2006 Oradea, Romania, International Journal of Computers, Communication and Control, 228-231, 2006	2	2	2	Pag 17, jurnale 2014
Crișan, G.C. , Nechita, E., Palade V. – Ant-based System analysis on the Traveler Salesman Problem under uncertain dynamic behaviour, 4 th International Workshop on Combinations of Intelligent Methods and Applications CIMA 2014, 21-28, 2014	2	3	2	Interogare CS
Crișan, G.C. , Nechita, E., Palade V. – Ant-based system analysis on the Traveling Salesman Problem under real-world settings (extended and revised version), International Workshop on Combinations of Intelligent Methods and Applications CIMA 2014, In: Smart Innovation, Systems and Technologies series, 46, Springer, 39-59, 2016	2	3	2	Interogare CS
Crișan G.C. , Nechita, E., Palade, V. – On the Effect of Adding Nodes to TSP Instances: An Empirical Analysis, Post-proceedings of the 5 th International Workshop on Combinations of Intelligent Methods and Applications CIMA 2015, In: Advances in Combining Intelligent Methods, Volume 116 of series Intelligent Systems Reference Library, 25-45, 2017	2	3	2	Interogare Conferinte
Crișan, G.C. , Nechita, E., Talmaciu, M. – How often does the Parrondo effect appear?, Fluctuation and Noise Letters 7, 2, C19-C25, 2007	2	3	2	Interogare nonCS
Crișan, G.C. , Nechita, E., Talmaciu, M., Pătruț, B. – Using Centrality Indices in Ant Systems – Proceedings of the International Conference on Computers, Communication and Control ICC2008 Oradea, Romania, International Journal of Computers, Communication and Control, 146-149, 2008	2	4	1	Pag 17, jurnale 2014
Crișan G.C. , Pintea, C.M., Pop, P., Matei, O. – An Analysis of the Hardness of Novel TSP Iberian Instances, In: Martínez-Álvarez, F. et al (Eds) Hybrid Artificial Intelligent Systems: 11th International Conference, HAIS 2016, Seville, Spain, April 18-20, 2016, Proceedings, Springer International Publishing 353-364	2	4	1	LNCS, pag 1 Metodologie

Holzinger, A.; Plass, M.; Holzinger, K.; Crișan G.C. , Pinte, C.M., Palade V. – Towards interactive Machine Learning (iML): Applying Ant Colony Algorithms to Solve the Traveling Salesman Problem with the Human-in-the-Loop Approach, Availability, Reliability, and Security in Information Systems, CD-ARES 2016, 9817, 81-95, 2016, Volume 9817 of the book series Lecture Notes in Computer Science (LNCS)	2	6	0.5	LNCS, pag 1 Metodologie
Nechita, E., Crișan, G.C. , Talmaciu, M. – Cooperative Ant Colonies for Vehicle Routing Problem with Time Windows. A Case Study in the Distribution of Dietary Products, 12th World Multi-Conference on Systemics, Cybernetics and Informatics/14th International Conference on Information Systems Analysis and Synthesis, Orlando FL, WMSCI 2008, Vol V, 48-52, 2008	2	3	2	Poz 1702, conferințe 2014
Nechita, E.; Talmaciu, M.; Crișan, G.C. – Recognizing Dart-Free Graphs – Proceedings of the International Conference on Computers, Communication and Control ICC2006 Oradea, Romania, International Journal of Computers, Communication and Control, 332-335, 2006	2	3	2	Pag 17, jurnale 2014
Pinte, C.M., Crișan, G.C. , Chira, C. – A Hybrid ACO Approach to the Matrix Bandwidth Minimization Problem, The 5th International Conference on Hybrid Artificial Intelligence Systems, San Sebastian, Spain, 2010. In: Manuel Graña Romay, Emilio Corchado and M. Teresa Garcia Sebastian (Eds.): Lecture Notes in Computer Science, 6076, Springer-Verlag: 405-412	2	3	2	LNCS, pag 1 Metodologie
Pinte, C.M., Crișan, G.C. , Chira, C., Dumitrescu, D. – A Hybrid Ant-Based Approach to the Economic Triangulation Problem for Input-Output Tables, The 4th International Conference on Hybrid Artificial Intelligence Systems, Salamanca, Spain, 2009. In: LNCS 5572, 376-383, 2009, Springer-Verlag	2	4	1	LNCS, pag 1 Metodologie
Talmaciu, M., Nechita, E., Crișan, G.C. – A recognition algorithm for a class of partitionable graphs that satisfies the normal graph conjecture, Studies in Informatics and Control, 18, 4, 349-354, 2009	2	3	2	Pag 24, jurnale 2014
TOTAL			21.5	

Impactul rezultatelor (perspectiva c)

	Profesor / CPI	Autoevaluare
Valorile minime pentru indicatorul C	120 puncte, <i>din care 40 de puncte în forumuri de minim tip B</i>	179.75 puncte, din care 130.33 puncte în forumuri de minim tip B
		Îndeplinit

DESCRIERE:

1. A concurrent evolutionary approach for rich combinatorial optimization, TG Crainic, **GC Crișan**, M Gendreau, N Lahrichi, W Rei. Proceedings of the 11th Annual Conference Companion on Genetic and Evolutionary Computation Conference: Late Breaking Papers (GECCO '09) 2009 / **5 autori / total 6.67 puncte / min B 5.33 puncte**
 - 1.1. J Caceres-Cruz, P Arias, D Guimarans, D Riera, AA Juan - Rich Vehicle Routing Problem: Survey, ACM Computing Surveys, 47, 2, Article 32, 28 pages, 32-59, 2015 / A / 2.67 / **Interogare CS**
 - 1.2. R Bent, P Van Hentenryck - Spatial, Temporal, and Hybrid Decompositions for Large-Scale Vehicle Routing with Time Windows. 01/2010, Proceeding of Principles and Practice of Constraint Programming CP 2010 - 16th International Conference CP 2010, St. Andrews, UK, 2010, 99-113 / A / 2.67 / **Interogare Conferințe**
 - 1.3. E Alba, G Luque, S Nesmachnow - Parallel metaheuristics: recent advances and new trends - International Transactions in Operational Research, 20(1), 1-48, January 2013 / C / 0.67 / **Interogare CS**
 - 1.4. S Martin - Multi-agent based cooperative search in Combinatorial Optimization, 2013, PhD Thesis University of Portsmouth - eprints.port.ac.uk / D / 0.33 / **Teză de doctorat, pag 1 Metodologie**
 - 1.5. A Rahimi Vahed - Heuristic solution methods for multi-attribute vehicle routing problems, PhD Thesis, Université du Montréal, 2012 / D / 0.33 / **Teză de doctorat, pag 1 Metodologie**

2. A hybrid ACO approach to the Matrix Bandwidth Minimization Problem, CM Pinte, **GC Crişan**, C Chira, Hybrid Artificial Intelligence Systems, PT 1 Series: Lecture Notes in Artificial Intelligence, volume: 6076, 405-412, 2010 / **3 autori / total 14.00 puncte / min B 8.00 puncte**
 - 2.1. GO Chagas, SL Gonzaga de Oliveira - Metaheuristic-based heuristics for symmetric-matrix bandwidth reduction: a systematic review, ICCS 2015 International Conference on Computational Science, Procedia Computer Science, 51, 211-220, 2015 / A / 8.00 / **Interogare Conferințe**
 - 2.2. PC Pop, O Matei, CA Comes - Reducing the bandwidth of a sparse matrix with a genetic algorithm, Optimization (A Journal of Mathematical Programming and Operations Research), 63(12), 1851-1876, 2014 / C / 2.00 / **Interogare NonCS** - ISSN 0233-1934
 - 2.3. LO Maftciu-Scai - Interchange opportunity in average bandwidth reduction in sparse matrices, Annals of West University of Timișoara – Mathematics-Informatics, 50(L2), 55-66, 2012 / D / 1.00 / **Revistă indexată de Zentralblatt, MathSciNet**
 - 2.4. LO Maftciu-Scai - The bandwidths of a matrix. A survey of algorithms, Annals of West University of Timisoara – Mathematics-Informatics, 52(2), 183-223, 2014 / D / 1.00 / **Revistă indexată de Zentralblatt**
 - 2.5. PC Pop, O Matei - An efficient metaheuristic approach for solving a class of matrix optimization problems, Proceedings of the 15th EU/ME Workshop, In: IC Toklu, G Bekdaş (Eds) Metaheuristics and Engineering, Bilecik Şeyh Edebali University, 2014, ISBN 978-605-85313-0-7, 2014 / D / 1.00 / **articol în afara listelor**
 - 2.6. Sang-Un Lee - Maximum Degree Vertex Central Located algorithm for Bandwidth Minimization Problem, Journal of the Korea Society of Computer and Information, 20(7) 41-47, 2015 D / 1.00 / **articol în afara listelor**

3. A hybrid Ant-Based approach to the Economic Triangulation Problem for Input-Output Tables CM Pinte, **GC Crişan**, C Chira, D Dumitrescu, Hybrid Artificial Intelligence Systems, Lecture Notes in Artificial Intelligence 5572, 376-383, 2009 / **4 autori / total 6.00 puncte / min B 4.00 puncte**
 - 3.1. J Ceberio, A Mendiburu, J A. Lozano - The linear ordering problem revisited, European Journal of Operational Research, 241, 3, 686-696, 2015 / A / 4.00 / **Interogare NonCS**
 - 3.2. PC Pop, O Matei - A genetic programming approach for solving the linear ordering problem, International Conference on Hybrid Artificial Intelligence Systems HAIS 2014, Springer vol 7209, 331-338, 2012 / C / 1.00 / **Interogare conferințe**
 - 3.3. PC Pop, O Matei - An efficient metaheuristic approach for solving a class of matrix optimization problems, Proceedings of the 15th EU/ME Workshop, In: IC Toklu, G Bekdaş (Eds) Metaheuristics and Engineering, Bilecik Şeyh Edebali University, 2014, ISBN 978-605-85313-0-7, 2014 / D / 0.50 / **articol în afara listelor**
 - 3.4. Y Kondo - Triangulation of Input-Output Tables based on Mixed Integer Programs for inter-temporal and inter-regional comparison of production structures, Journal of Economic Structures, 3, article 2, 19 pages, 2014, Springer D / 0.50 / **Revistă indexată Springer, pag 1 Metodologie**

4. A hybrid technique for matrix bandwidth problem, **GC Crişan**, C.M. Pinte, University of Bacău Faculty of Sciences, Scientific Studies and Research, Series Mathematics and Informatics, Vol. 21, No. 1, 113-120, 20112009 / **2 autori / total 1.00 puncte / min B 0.00 puncte**
 - 4.1. LO Maftciu-Scai - The bandwidths of a matrix. A survey of algorithms, Annals of West University of Timisoara – Mathematics, 52(2), 183-223, 2014 / D / 1.00 / **Revistă indexată de Zentralblatt**

5. An integrative cooperative search framework for multi-decision-attribute combinatorial optimization, N Lahrichi, TG Crainic, M Gendreau, W Rei, **GC Crişan**, T Vidal, Technical Report CIRRELT 2012-42 / **6 autori / total 7.00 puncte / min B 6.00 puncte**
 - 5.1. AS Azad, MM Islam, S Chakraborty - A heuristic initialized stochastic memetic algorithm for MDPVRP with interdependent depot operations, IEEE Transactions on Cybernetics (former IEEE Transactions on Systems, Man and Cybernetics, part B: Cybernetics) , vol. PP, 99, 1-14 doi: 10.1109/TCYB.2016.2607220, 2017 / A / 2.00 / **Interogare CS**
 - 5.2. L Calvet, A Ferrer, MI Gomes, AA Juan, D Masip - Combining statistical learning with metaheuristics for the multi-depot vehicle routing problem with market segmentation, Computers and Industrial Engineering, 94, 93-104, 2016 / A / 2.00 / **Interogare CS**
 - 5.3. AM Campbell, J Hardin Wilson - Forty years of periodic vehicle routing, Networks, 63(1), 2-15, 2014 / A / 2.00 / **Interogare CS**
 - 5.4. S. Irnich, M. Schneider, D. Vigo - Four variants of the Vehicle Routing Problem, In: P. Toth, D. Vigo (Eds) Vehicle Routing: Problems, Methods, and Applications, Second Edition, MOS-SIAM (Mathematical Optimization Society - Society for Industrial and Applied Mathematics) Series of Optimization, 241-271, 2014 / C / 0.50 / **poziția 287 lista SENSE 2011 /**
 - 5.5. I Dayarian - Tactical Vehicle Routing planning with application to milk collection and distribution, PhD Thesis, Université du Montréal, 2013 / D / 0.25 / **Teză de doctorat, pag 1 Metodologie**
 - 5.6. AR Vahed - Heuristic solution methods for multi-attribute vehicle routing problems, PhD Thesis, Université du Montréal, 2012, / D / 0.25 / **Teză de doctorat, pag 1 Metodologie**

6. Adaptability of a Discrete PSO algorithm applied to the Traveling Salesman Problem with fuzzy data, CM Pinteá, SA Ludwig, GC Crişan, IEEE International Conference on Fuzzy Systems, Istanbul, Turkey, 1-6, doi: <http://dx.doi.org/10.1109/FUZZ-IEEE.2015.7337839>, 2015 / **3 autori / total 4.00 puncte / min B 0.00 puncte**
 - 6.1. FAKM Ahmed, JU Sun - An improved Particle Swarm Optimization algorithm for the Travelling Salesman Problem, Advanced Science Letters, 22(11), 3318-3322, 2016 / C / 2.00 / **interogare CS**
 - 6.2. CM Pinteá, O Matei, RA Ramadan, M Pavone, M Niazi, AT Azar - A fuzzy approach of sensitivity for multiple colonies on Ant Colony Optimization, SOFA-7-th International Workshop on Soft Computing Applications, Arad, August 24-26 in press C / 2.00 / **interogare Conferinþe CS**
7. Ant-based system analysis on the Traveling Salesman Problem under real-world settings, G.C. Crişan, E Nechita, V. Palade, Combinations of Intelligent Methods and Applications, Smart Innovation, Systems and Technologies, 46, Springer, 39-59, 2016 / **3 autori / total 14.00 puncte / min B 12.00 puncte**
 - 7.1. LB Iantovics, C Rotar, MA Niazi, - MetrIntPair - A Novel Accurate Metric for the Comparison of Two Cooperative Multiagent Systems Intelligence Based on Paired Intelligence Measurements. International Journal of Intelligent Systems. doi: 10.1002/int.21903, 2017 / A / **8.00 / Interogare CS**
 - 7.2. LB Iantovics, A Gligor, V Georgieva - Detecting Outlier Intelligence in the Behavior of Intelligent Coalitions of Agents, CEC 2017, <http://www.cec2017.org/Program/sessions/Posters.html>, poster / A / **4.00 / Interogare Conferinþe**
 - 7.3. CM Pinteá, O Matei, RA Ramadan, M Pavone, M Niazi, AT Azar - A fuzzy approach of sensitivity for multiple colonies on Ant Colony Optimization, SOFA-7-th International Workshop on Soft Computing Applications, Arad, August 24-26 in press C / 2.00 / **interogare Conferinþe CS**
8. Cooperative Ant Colonies for Vehicle Routing Problem with Time Windows. A case study in the distribution of dietary products, E Nechita, GC Crişan, M Talmaciu, 12th World Multiconference on Systemics, Cybernetics and Informatics, vol. 5, 48-52, Proceedings of WMSCI 2008 / **3 autori / total 4.00 puncte / min B 4.00 puncte**
 - 8.1. CM Pinteá, A Calinescu, PC Pop, C Sabo - Towards a secure two-stage supply chain network: A transportation-cost approach. In: Graña M., López-Guede J., Etxaniz O., Herrero Á., Quintián H., Corchado E. (eds) International Joint Conference SOCO'16-CISIS'16-ICEUTE'16. ICEUTE 2016, SOCO 2016, CISIS 2016. Advances in Intelligent Systems and Computing, vol 527 CISIS, 547-554, 2017, Springer / B / 4.00 / **Interogare Conferinþe**
9. Emergency management using Geographic Information Systems: application to the first Romanian Traveling Salesman Problem instance, Crişan, G.C., Pinteá, C.M., Palade, V., Knowledge and Information Systems, 50(1), 265-285 2017 / **3 autori / total 12.00 puncte / min B 12.00 puncte**
 - 9.1. LB Iantovics, A Gligor, V Georgieva - Detecting Outlier Intelligence in the Behavior of Intelligent Coalitions of Agents, CEC 2017 <http://www.cec2017.org/Program/sessions/Posters.html>, poster / A / 4.00 / **Interogare Conferinþe**
 - 9.2. LB Iantovics, C Rotar, E Nechita - A novel robust metric for comparing the intelligence of two cooperative multiagent systems, Knowledge-Based and Intelligent Information & Engineering Systems: Proceedings of the 20th International Conference KES-2016, Procedia Computer Science, vol 96, 637-644, 2016 / B / 4.00 / **Interogare Conferinþe**
 - 9.3. LB Iantovics, F. Emmert-Streib, S. Arik - MetrIntMeas a novel metric for measuring the intelligence of a swarm of cooperating agents, Cognitive Systems Research, 2017, <https://doi.org/10.1016/j.cogsys.2017.04.006> / B / 4.00 / **Interogare CS**
10. Hybrid ant models with a transition policy for solving a complex problem, CM Pinteá, GC Crişan, C Chira, Logic Journal of the IGPL 20(3), 560-569, 2012 / **3 autori / total 13.00 puncte / min B 12.00 puncte**
 - 10.1. GO Chagas, SL Gonzaga de Oliveira - Metaheuristic-based heuristics for symmetric-matrix bandwidth reduction: a systematic review, ICCS 2015 International Conference on Computational Science, Procedia Computer Science, 51, 211-220, 2015 / A / 8.00 / **Interogare Conferinþe**
 - 10.2. CM Pinteá, A Calinescu, PC Pop, C Sabo - Towards a secure two-stage supply chain network: A transportation-cost approach. In: Graña M., López-Guede J., Etxaniz O., Herrero Á., Quintián H., Corchado E. (eds) International Joint Conference SOCO'16-CISIS'16-ICEUTE'16. ICEUTE 2016, SOCO 2016, CISIS 2016. Advances in Intelligent Systems and Computing, vol 527 CISIS, 547-554, 2017, Springer / B / 4.00 / **Interogare Conferinþe**
 - 10.3. E Nechita, CV Muraru, M Talmaciu - A Bayesian Approach for the Assessment of Risk Probability. Case Study for Digital Risk Probability, Environmental Engineering and Management Journal, 11(12), 2249-2255, Dec 2012 / D / 1.00 / **Interogare nonCS**
11. Multi-thread integrative cooperative optimization for rich combinatorial problems TG Crainic, GC Crişan, M Gendreau, N Lahrichi, W Rei, 23rd IEEE International Parallel and Distributed Processing Symposium (IPDPS), IEEE, Rome, Italy, May 25-29, 2009 / **5 autori / total 13.33 puncte / min B 12.00 puncte**
 - 11.1. R Lahyani, M Khemakhem, F Semet - Rich Vehicle Routing Problems: From a taxonomy to a definition, European Journal of Operational Research, 241 (1), 1-14, 2015 / A / 2.67 / **Interogare CS**

- 11.2. J Caceres-Cruz, P Arias, D Guimaranas, D Riera, AA. Juan. Rich Vehicle Routing Problem: Survey. ACM Computing Surveys, 47, 2, Article 32, 28 pages, 32-59, 2015 / A / 2.67 / **Interogare CS**
- 11.3. CM Pintea, PC Pop, I Zelina - Denial jamming attacks on wireless sensor network using sensitive agents, Logic Journal of IGPL, 24(1), 92-103, 2016 / A / 2.67 / **Interogare NonCS**
- 11.4. P Ediger, R Hoffmann - Efficiency analysis of the Time-Shuffling Method for the evolution of agent behavior, International Journal of Foundations of Computer Science 23, 02, 523-542, 2012 / B / 1.33 / **Interogare CS**
- 11.5. M Mirabi - A hybrid electromagnetism algorithm for multi-depot periodic vehicle routing problem, International Journal of Advanced Manufacturing Technology, 71, 1-4, 509-518, 2014 / B / 1.33 / **Interogare CS**
- 11.6. M Mirabi - A novel hybrid genetic algorithm for the multidepot periodic vehicle routing problem, Artificial Intelligence for Engineering Design, Analysis and Manufacturing, 29(1), 45-54, 2015 / B / 1.33 / **Interogare CS**
- 11.7. R Lahyani, M Khemakhem, F Semet - Taxonomy for Rich Vehicle Routing Problems, Proceedings of the 1st International Conference on Logistics Operations Management GOL'12, IEEE International Conference, 2012 / D / 0.33 / **conferință indexată IEEE, specificare pag 1 Metodologie**
- 11.8. T Vidal - Approches générales de résolution pour les problèmes multi-attributs de tournées de véhicules et confection d'horaires, PhD Thesis, CIRRELT-2013-28, 2013 / D / 0.33 / **Teză de doctorat, pag 1 Metodologie**
- 11.9. I Dayarian - Tactical Vehicle Routing Planning with Application to Milk Collection and Distribution, PhD Thesis, Univ de Montreal, 2013 / D / 0.33 / **Teză de doctorat, pag 1 Metodologie**
- 11.10. R Lahyani - Une mathématisique unifiée pour résoudre des problèmes de tournées de véhicules riches PhD Thesis, L'Ecole Centrale de Lille, 2014 / D / 0.33 / **Teză de doctorat, pag 1 Metodologie**
12. On the resilience of an Ant-based System in Fuzzy Environments. An empirical study - **Crișan, G.C.**, Pintea, C.M., Pop, P.C. - IEEE International Conference on Fuzzy Systems, Beijing, China, 2588-2593, 2014 / **3 autori / total 2.00 puncte / min B 0.00 puncte**
- 12.1. CM Pintea, O Matei, RA Ramadan, M Pavone, M Niazi, AT Azar - A fuzzy approach of sensitivity for multiple colonies on Ant Colony Optimization, SOFA-7-th International Workshop on Soft Computing Applications, Arad, August 24-26 in press C / 2.00 / **interogare Conferinte CS**
13. Parallel ACO with a Ring Neighborhood for Dynamic TSP, CM Pintea, **GC Crișan**, M Manea, Journal of Information Technology Research 5(4), 1-13, 2012 / **3 autori / total 2.00 puncte / min B 0.00 puncte**
- 13.1. M Li - Efficiency improvement of ant colony optimization in solving the moderate LTSP, Journal of Systems Engineering and Electronics, 2015, 26(6), 1301-1309 / C / 2.00 / **interogare CS**
14. Risk assessment for incoherent data, **GC Crișan**, CM Pintea, C Chira, Environmental Engineering and Management Journal 11(12), 2169-2174, 2012 / **3 autori / total 4.00 puncte / min B 0.00 puncte**
- 14.1. E Nechita - Measures for uncertain data. Case study on data extracted from Mass Media, Scientific Studies and Research, Studies Mathematics and Informatics, 23, 1 85-96, 2013 / D / 1.00 / **Revistă indexată de Zentralblatt, MathSciNet**
- 14.2. G D. Vasilescu, E Ghicioi, A Drăghici, N Mija - Risk assessment of whole-body vibrations generated by industrial activities with environmental impact, Environmental Engineering and Management Journal, 13(6), 1453-1458, 2014 / D / 1.00 / **Interogare nonCS**
- 14.3. SM Roșu, L Roșu, G Drăgoi, IB Păvăloiu - Risk assessment of work accidents during the installation and maintenance of telecommunication networks, Environmental engineering and management journal 14(9), 2169-2176, 2015 / D / 1.00 / **Interogare nonCS**
- 14.4. PL Ong, YH Choo, AK Muda, A Manufacturing failure root cause analysis in imbalance data set using PCA weighted association rule mining, Jurnal Teknologi, Science and Engineering, 77(18), 103-111, 2015 / D / 1.00 / **Interogare nonCS**
15. Solving fuzzy TSP with ant algorithms, **GC Crișan**, E Nechita, International Journal of Computers Communications & Control 3, 228-231, 2008 / **2 autori / total 26.00 puncte / min B 16.00 puncte**
- 15.1. CM Pintea, PC Pop, I Zelina - Denial jamming attacks on wireless sensor network using sensitive agents, Logic Journal of IGPL, 24(1), 92-103, 2016 / A / 8.00 / **Interogare nonCS**
- 15.2. CM Pintea, PC Pop - Sensitive Ants for Denial Jamming Attack on Wireless Sensor Network International Joint Conference SOCO'13-CISIS'13-ICEUTE'13 Advances in Intelligent Systems and Computing Volume 239, 2014, 409-418 Springer, CISIS General Track / B / 4.00 / **poz 385 lista conferințe 2014**
- 15.3. T. Hanne, R. Dornberger - Transportation Problems, In: T Hähne, R Dornberger (Eds) - Computational Intelligence in Logistics and Supply Chain Management, Volume 244 of the series International Series in Operations Research & Management Science, Springer 43-71 / B / 4.00 / **Lista edituri poz 89**
- 15.4. CM Pintea, C Ticală - Medical image processing: A brief survey and a new theoretical hybrid ACO model, Proceedings of Combinations of Intelligent Methods and Applications CIMA 2014, In: I Hatzilygeroudis et al (eds) - Smart Innovation, Systems and Technologies, 46, Springer, 117-134, 2016 / C / 2.00 / **Interogare Conferințe**

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- 15.9. CM Pinteau - Artificial Ant Species on solving Optimization Problems, *Scientific Studies and Research, Studies Mathematics and Informatics*, 23, 1, 121-126, 2013 / D / 1.00 / **Revistă indexată de Zentralblatt, MathSciNet**
- 15.10. DS Dingar, KT Sundari - Neighboring optimal solution for Fuzzy Travelling Salesman Problem, *International Journal of Engineering Research and General Science*, 2 (4), 307-312, 2014 / D / 1.00 / **revistă indexată Google Scholar, Universal Impact Factor, Indexcopernicus, DOAJ**
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- 16.2. S Postavaru, R Stoean, C Stoean, GJ Caparros - Adaptation of deep convolutional Neural Networks for cancer grading from histopathological images. In: Rojas I., Joya G., Catala A. (Eds) *Advances in Computational Intelligence, 14th International Work-Conference on Artificial Neural Networks, IWANN 2017, Proceedings, Part II. Lecture Notes in Computer Science*, vol 10306, 38-49, Springer / B / 2.00/ **Interogare Conferințe**
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- 17.5. PC Pop, O Matei - A genetic programming approach for solving the linear ordering problem, *International Conference on Hybrid Artificial Intelligence Systems HAIS 2012*, Springer vol 7209, 331-338, 2012 / C / 1.00 / **Interogare Conferințe**
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- 17.7. PC Pop, O Matei - An efficient metaheuristic approach for solving a class of matrix optimization problems, *Proceedings of the 15th EU/ME Workshop*, In: IC Toklu, G Bekdaş (Eds) *Metaheuristics and Engineering*, Bilecik Şeyh Edebali University, 2014, ISBN 978-605-85313-0-7, 2014 / D / 0.50 / **articol în afara listelor**

- 17.8. P Krömer, J Platoš, V Snášel - Practical results of artificial Immune Systems for combinatorial optimization problems, Fourth World Congress on Nature and Biologically Inspired Computing (NaBIC), IEEE, 2012, 194-199 / D / 0.50 / **conferință indexată IEEE, specificare pag 1 Metodologie**
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- 18.2. JD Sweetlin, HK Nehemiah, A Kannan - Feature selection using ant colony optimization with tandem-run recruitment to diagnose bronchitis from CT scan images, Computer Methods and Programs in Biomedicine, 145, 115-125, 2017 / B / 1.00 / **Interogare CS**
- 18.3. E Johnson, R Hervás, C Gutiérrez-López-Franca, T Mondéjar, J Bravo - Analyzing and predicting empathy in neurotypical and nonneurotypical users with an affective avatar, Mobile Information Systems, vol. 2017, Article ID 7932529, 11 pages, 2017 / B / 1.00 / **Interogare Reviste CS, Categorie 2013**
- 18.4. E Menasalvas, C Gonzalo-Martin - Challenges of medical text and Image Processing: Machine Learning approaches, Machine Learning for Health Informatics, Volume 9605 of the series Lecture Notes in Computer Science, 221-242, Springer / C / 0.50 / **LNCS, pag 1 Metodologie**
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- 18.6. S. Belciug - Machine Learning solutions in Computer-Aided Medical Diagnosis, Machine Learning for Health Informatics, Volume 9605 of the series Lecture Notes in Computer Science pp 289-302, Springer / C / 0.50 / **LNCS, pag 1 Metodologie**
- 18.7. CR Pereira, DR Pereira, JP Papa, GH Rosa, X-S Yang - Convolutional Neural Networks applied for Parkinson's disease identification, Machine Learning for Health Informatics: State of the art and future challenges, Volume 9605 of the series Lecture Notes in Computer Science, 377-390, Springer / C / 0.50 / **LNCS, pag 1 Metodologie**
- 18.8. L Longo - Argumentation for Knowledge Representation, Conflict Resolution, Defeasible Inference and its Integration with Machine Learning, Machine Learning for Health Informatics: State of the art and future challenges Volume 9605 of the series Lecture Notes in Computer Science, 183-208, Springer / C / 0.50 / **LNCS, pag 1 Metodologie**
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19. **Teza de doctorat: GC Crișan: Ant Heuristic Methods in Artificial Intelligence, Univ. „A.I.Cuza” Iași, 2007 / 1 autor / total 19.00 puncte / min B 16.00 puncte**
- 19.1. CM Pinte, PC Pop, I Zelina – Denial jamming attacks on wireless sensor network using sensitive agents, Logic Journal of IGPL, 24(1), 92-103, 2016 / A / 8.00 / **Interogare nonCS**
- 19.2. CM. Pinte, PC Pop - Sensitive Ants for Denial Jamming Attack on Wireless Sensor Network International Joint Conference SOCO'13-CISIS'13-ICEUTE'13 Advances in Intelligent Systems and Computing Volume 239, 2014, 409-418 Springer, CISIS General Track / B / 4.00 / **poz 385 lista conferințe 2014**
- 19.3. CM Pinte – A unifying survey of agent-based approaches for Equality-Generalized Traveling Salesman Problem, Informatica, 26, 3, 509–522, 2015 / B / 4.00 / **Interogare CS**
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- 19.5. CM Pinte - Artificial ant species on solving Optimization Problems, Scientific Studies and Research, Studies Mathematics and Informatics, 23, 1 121-126 / D / 1.00 / **Revistă indexată de Zentralblatt, MathSciNet**

Performanța academică (perspectiva d)

	Profesor / CPI	Autoevaluare
Valorile minimale pentru perspectiva D	60	99.00
		Îndeplinit

DESCRIERE:

1. Nechita, E., **Crișan, G.C.**, Obreja, S. M., Dămian, S. - Intelligent carpooling system: A case study for Bacău metropolitan area, In: Nakamatsu, K., Kountchev, R. (Eds.) *New Approaches in Intelligent Control: Techniques, Methodologies and Applications*, 107, Springer International Publishing, 43-72, 2016 / Capitol în carte editura B, 4 autori / **2.00 puncte / poz 1**
2. Cojocariu, V.M., **Crișan G.C.**, Nechita E. – A journey into the World of Knowledge through Project-Based Learning – an interdisciplinary strategy, în: Jazayeri, M., Pautasso, C., Furdu I.M., Cojocariu V.M. (Eds.) – *Informatics. Innovative teaching approaches*, Casa Cărții de Știință, Cluj-Napoca, 2016 / Capitol în carte nelistată, 3 autori / **1.00 puncte / poz 1**
3. Pătruș, B., **Crișan, G.C.** (Eds.) – *Modern Paradigms in Computer Science and Applied Mathematics: a handbook for PhD students and researchers*, AVM, München, 2011 / Carte editată nelistată, 2 editori / **2.00 puncte / poz 1**
4. **Crișan, G.C.**, Nechita, E. – *Simularea evenimentelor aleatoare*, EduSoft, 2005 / Carte nelistată, 2 autori / **2.00 puncte / poz 1**
5. Nechita, E. **Crișan, G.C.** - *Informatica pentru toți*, Polirom, 2003 / Carte nelistată, 2 autori / **2.00 puncte / poz 1**
6. Membru comitet de program la HAIS - International Conference on Hybrid Artificial Intelligence Systems (2017, 2016, 2015, 2014, 2013, 2011), NWESP - International Conference on Next Generation Web Services Practices (2013, 2012, 2011), ISDA - International Conference on Intelligent Systems Design and Applications (2016, 2014), CIMA - International Workshop on Combinations of Intelligent Methods and Applications (2017, 2016, 2015, 2014), ICMLA - International Conference on Machine Learning and Applications (2017, 2015), IAS - International Conference on Information Assurance and Security (2015), HIS - International Conference on Hybrid Intelligent Systems (2016), CD-MAKE - International Cross Domain Conference for Machine Learning & Knowledge Extraction (2017) / C / **20.00 puncte / poz 2, Interogare conferințe și indexare în LNCS**
7. Membru comitet de program la SoCPaR - International Conference on Soft Computing and Pattern Recognition (2016, 2015, 2014), WICT - World Congress on Information and Communication Technologies (2016, 2014, 2013, 2012), NABIC - World Congress on Nature and Biologically Inspired Computing (2015, 2014, 2013, 2012, 2011), CASON - International Conference on Computational Aspects of Social Networks (2016, 2015, 2014, 2013, 2012, 2011), ISAT - International Conference Information Systems Architecture and Technology (2017, 2016, 2015), SCDM - Soft Computing and Data Mining (2016) / D / **11.00 puncte / poz 2, indexare IEEE și Springer, pag 1 Metodologie**
8. Editor la *Scientific Studies and Research. Series Mathematics and Informatics* <http://pubs.ub.ro/?pg=revues&rev=ssrsmi> / D / **3.00 puncte poz 4, revistă indexată Zentrallblatt**
9. Membru contracte *Bacău and Lugano – Teaching Informatics for a Sustainable Society* valoare UVAB = 99.600 CHF = 80.000 euro (curs valutar 2014) și *Grid academic pentru aplicații complexe 74 CEEEX-II 03/31.07.2006* valoare UAIC = 1.500.000 lei = 400.000 euro (curs valutar 2007) / **6.00 puncte / poz 5**
10. Organizare evenimente științifice:
Olimpiada Națională TIC 2016 (președinte, **2 puncte**) <http://www.ub.ro/universitatea/iip/news/1333-bacaul-gazduieste-olimpiada-nationala-tic-tehnologiile-informatiei-si-ale-comunicatiilor-2016>
INFO-IMPACT 2016 (**1 pct**) <http://www.ub.ro/info-impact/Comitet/ComitetO/comiteto.html>
NCMI 2016 (**1 pct**) http://www.ub.ro/stiinte/files/facultati/stiinte/cercetare_stiinte/Manifestari/Conferinta2016.pdf
ICNAR 2014 (**1 pct**) http://www.ub.ro/files/universitate/stiri/2014/Conference_program.pdf
NCMI 2007 (**1 pct**) http://www.ub.ro/stiinte/files/facultati/stiinte/cercetare_stiinte/Manifestari/Conferinta2007.pdf
ICMI45 2006 (**1 pct**) http://www.ub.ro/stiinte/files/facultati/stiinte/cercetare_stiinte/Manifestari/ICMI45.pdf
Workshop 2014 *Cum să învățăm cu ajutorul proiectelor* (**1 pct**) <http://bliss.ub.ro/ro/activitati/44-activity-a5-ro>
Sesiune științifică studențească:
2017 (**1 pct**) http://www.ub.ro/stiinte/files/facultati/stiinte/cercetare_stiinte/Manifestari/Ses_stud_MI_2017.pdf
2016 (**1 pct**) http://www.ub.ro/stiinte/files/facultati/stiinte/cercetare_stiinte/Manifestari/Ses_stud_MI_2016.pdf
2013 (**1 pct**) http://www.ub.ro/stiinte/files/facultati/stiinte/cercetare_stiinte/Manifestari/Ses_stud_MI_2013.pdf
Total 11.00 puncte / poz 7
11. Prezentare la IDSIA, Elveția, 2015 http://bliss.ub.ro/files/A5/Workshop_A7.pdf / D / **1.00 punct / poz 8**
12. Researcher asociat 1 an la *Université du Québec à Montréal*, Montréal, Canada, top 500 / **24.00 puncte / poz 9**
13. Consolidarea de echipe de cercetare 4 ani x (1 + 3) pers (2014-2017, Crișan / Pinte, Palade, Nechita) / **12.00 puncte / poz 10**
14. Dezvoltarea de colecții de date de largă utilitate: *romania2950.tsp*, 1900 accesări, disponibilă la adresa <http://cadredidactice.ub.ro/cerasselacrisan/cercetare/> / **2.00 puncte / poz 13**

14 iulie 2017