

Conf. Univ. Dr. Camelia Chira

Fisa de verificare

Verificare standarde minimale CNATDCU (Ordin 6.129_2016)		
Perspectiva a) : Etica cercetarii		
Am respectat normele de etica cercetarii.		
Perspectiva b) : Productia stiintifica		
Perspectiva b)	Realizat	Necesar Profesor / CS I / Abilitare
Punctaj (categori A*, A, B sau C)	203.00	56
Praguri	A*+A	A*+A ≥ 24
	A*+A+B	A*+A+B ≥ 40
Perspectiva c) : Impactul rezultatelor		
Perspectiva c)	Realizat	Necesar Profesor / CS I / Abilitare
Punctaj	796.25	120
Praguri	A*+A+B	A*+A+B ≥ 40
Perspectiva d) : Performanta academica		
Perspectiva d)	Realizat	Necesar Profesor / CS I / Abilitare
Valori	97.67	60
Praguri	Da - 1 proiect TE (Emergență, auto-organizare și evoluție: noi modele computaționale în studiul sistemelor complexe), echipa 3 membri, competitie la nivel national	Minim un proiect, cu echipa de cel puțin 2 membri,obtinut prin competitie la nivel national sau international

Perspectiva b) : Productia stiintifica

LISTA ARTICOLE REVISTA					
Nr.	Articol	Categorie	Nr. Autori	Punctaj	
1	S.B. Khojasteh, J.R. Villar, C. Chira , V.M. González, E. de la Cal, Improving Fall Detection Using an On-Wrist Wearable Accelerometer, <i>Sensors</i> , 18, 1350, 2018.	B	4	5	1.33
2	J. Sedano, S. González, C. Chira , Á. Herrero, E. Corchado, J.R. Villar, <i>Key features for the characterization of Android malware families</i> , <i>Logic Journal of the IGPL</i> 25(1): 54-66, 2017.	C	2	6	0.50
3	C. Chira , J. Sedano, J. R. Villar, M. Camara, C. Prieto, <i>Gene clustering for time-series microarray with production outputs</i> , <i>Soft Computing</i> 20(11): 4301-4312, 2016.	B	4	5	1.33
4	L. Hoffer, C. Chira , G. Marcou, A. Varnek, D. Horvath, <i>SAMPLE—Sampler for Multiple Protein-Ligand Entities: Methodology and Rigid-Site Docking Benchmarking</i> , <i>Molecules</i> , 20, 8997-9028, 2015.	A	8	5	2.67
5	A. Andreica, C. Chira , <i>Best-order crossover for permutation-based evolutionary algorithms</i> , <i>Applied Intelligence</i> , 42(4), p. 751-776, 2015.	B	4	2	4.00
6	J. R. Villar, C. Chira , J. Sedano, S. González, J. M. Trejo, <i>A hybrid intelligent recognition system for the early detection of strokes</i> , <i>Integrated Computer-Aided Engineering</i> 22(3): 215-227, 2015.	A*	12	5	4.00
7	J. R. Villar, S. González, J. Sedano, C. Chira , J. M. Trejo-Gabriel-Galan, <i>Improving Human Activity Recognition and its Application in Early Stroke Diagnosis</i> , <i>Int. J. Neural Syst.</i> 25(4), 2015.	A	8	5	2.67
8	O. Matei, P. C. Pop, J. L. Sas, C. Chira , <i>An improved immigration memetic algorithm for solving the heterogeneous fixed fleet vehicle routing problem</i> , <i>Neurocomputing</i> 150, p. 58-66, 2015.	A	8	4	4.00
9	A. Andreica, C. Chira , <i>Evolution and dynamics of node-weighted networks for cellular automata computation</i> , <i>Logic Journal of IGPL</i> , Vol. 23(3), p. 400-409, 2015.	C	2	2	2.00
10	C. Chira , J. Sedano, M. Camara, C. Prieto, J. R. Villar, E. Corchado, <i>A Cluster Merging Method for Time Series microarray with production Values</i> , <i>Int. J. Neural Syst.</i> 24(6), 2014.	A	8	6	2.00
11	C. Chira , J. Sedano, J. R. Villar, M. Camara, E. Corchado, <i>Urban bicycles renting systems: Modelling and optimization using nature-inspired search methods</i> , <i>Neurocomputing</i> 135, p. 98-106, 2014.	A	8	5	2.67
12	A. Agapie, A. Andreica, C. Chira , M. Giuclea, <i>Predictability in Cellular Automata</i> , <i>PLoS ONE</i> 9(10), e108177, 2014.	A	8	4	4.00
13	R.I. Lung, C. Chira , A. Andreica, <i>Game theory and extremal optimization for community detection in complex dynamic networks</i> , <i>PLoS ONE</i> 9 (2), e86891, 2014.	A	8	3	8.00
14	J. Sedano, C. Chira, J. R. Villar, E. M. Ambel, <i>An intelligent route management system for electric vehicle charging</i> , <i>Integrated Computer-Aided Engineering</i> 20(4), p. 321-333, 2013.	A*	12	4	6.00
15	N. Hatami, C. Chira , <i>Diverse Accurate Feature Selection for Microarray Cancer Diagnosis</i> , <i>Intelligent Data Analysis</i> , Vol. 17, No. 4, p. 697-716, 2013.	C	2	2	2.00
16	D. Iclanzan, A. Gog, C. Chira , <i>Cell state change dynamics in cellular automata</i> , <i>Memetic Computing</i> 5(2), p. 131-139, 2013.	A	8	3	8.00
17	R. I. Lung, C. Chira , D. Dumitrescu, <i>Guest editorial: special issue on nature inspired cooperative strategies for optimization</i> , <i>Memetic Computing</i> , Vol. 4, No. 4, p. 247-248, 2012.	A	8	3	8.00

18	C.-M. Pinte, G. C. Crisan, C. Chira , <i>Hybrid ant models with a transition policy for solving a complex problem</i> , Logic Journal of the IGPL 20(3), p. 560-569, 2012.	C	2	3	2.00
19	J. Sedano, C. Chira , J. Gonzalez, J.R. Villar, <i>Intelligent system for measuring stress: StressTIC</i> , DYNA, Engineering and Industry, Vol. 87(3), p.336-344, 2012.	C	2	4	1.00
20	G. C. Crisan, C.-M. Pinte, C. Chira , <i>Risk assessment for incoherent data</i> , Environmental Engineering and Management Journal, Vol. 11, No. 12, p. 2169-2174, 2012.	C	2	3	2.00
21	C. Chira, D. Horvath, D. Dumitrescu, <i>Hill-Climbing Search and Diversification within an Evolutionary Approach to Protein Structure Prediction</i> , BioData Mining, 4:23, 2011.	B	4	3	4.00
22	P.C. Pop, C.P. Sitar, I. Zelina, V. Lupse, C. Chira , <i>Heuristic Algorithms for Solving the Generalized Vehicle Routing Problem</i> , International Journal of Computers Communications & Control, ISSN 1841-9836, Vol. 6(1), p. 158-165, 2011.	C	2	5	0.67
23	C.-M. Pinte, C. Chira , D. Dumitrescu, P.C. Pop, <i>Sensitive Ants in Solving the Generalized Vehicle Routing Problem</i> , International Journal of Computers Communications & Control, ISSN 1841-9836, Vol. 6(4), p. 734-741, 2011.	C	2	3	2.00
24	C. Chira , D. Dumitrescu, C.-M. Pinte, <i>Learning Sensitive Stigmergic Agents for Solving Complex Problems</i> , Computing and Informatics, Vol. 29, no. 3, p. 337-356, 2010.	C	2	3	2.00
25	C. Chira , C.-M. Pinte, D. Dumitrescu, <i>An Agent-Based Approach to Combinatorial Optimization</i> , Int. J. of Computers, Communications & Control, Vol. III, p. 212-217, 2008.	C	2	3	2.00
26	C. Chira , O. Chira, <i>A multi-agent system for design information management anal support</i> , Int. J. of Computers, Communications & Control, Vol. 1(S), p. 124-129, 2006.	C	2	2	2.00
27	O. Chira, C. Chira , D. Tormey, A. Brennan, T. Roche, <i>An agent-based approach to knowledge management in distributed design</i> , in Panetto H., Goncalves R., Pereira C.E. (Eds), Journal of Intelligent Manufacturing, 17/6, Springer Verlag, p. 737-750, 2006.	A	8	5	2.67
28	C. Chira , C.-M. Pinte, D. Dumitrescu, <i>Stigmergic Agent Optimization</i> , Romanian Journal of Information Sciences and Technology, p. 175 – 183, Vol. 9, No. 3, 2006.	C	2	3	2.00
29	C.-M. Pinte, P. Pop, C. Chira , <i>The generalized traveling salesman problem solved with ant algorithms</i> , Complex Adaptive Systems Modeling, SpringerOpen, Vol. 5 Article Number: 8, 2017.	D	1	3	1.00
30	R. Irfan, O. Khalid, M. U. S. Khan, C. Chira , R. Ranjan, F. Zhang, S. U. Khan, B. Veeravalli, K. Li, A. Y. Zomaya, <i>MobiContext: A Context-Aware Cloud-Based Venue Recommendation Framework</i> , IEEE Transactions on Cloud Computing, vol. 5, no. 4, pp. 712-724, 2017.	D	1	10	0.13
31	A. Andreica, C. Chira , <i>Best-Order Crossover in an Evolutionary Approach to Multi-Mode Resource-Constrained Project Scheduling</i> , International Journal of Computer Information Systems and Industrial Management Applications, ISSN 2150-7988 Vol. 6, p. 364 – 372, 2014.	D	1	2	1.00
32	A. Andreica, C. Chira , <i>Study of Majority Rule and Network Topology for Cellular Automata</i> , Studia Universitatis Babeş-Bolyai, Informatica series, Vol. LVII, No. 3, p. 35-40, 2012.	D	1	2	1.00
33	A. Andreica, C. Chira , <i>A Collaborative Evolutionary Approach to Resource-Constrained Project Scheduling</i> , Studia Universitatis Babeş-Bolyai, Informatica series, Vol. LVII, No. 3, p. 76-84, 2012.	D	1	2	1.00

34	A. Gog, C. Chira , D. Dumitrescu, <i>Evolutionary Community Structure Detection</i> , Annals of West University of Timisoara, Series of Mathematics and Informatics, vol. XLIX, no.1, p. 39-48, 2011.	D	1	3	1.00
35	A. Gog, C. Chira , <i>Collaborative search operators for evolutionary approaches to density classification in cellular automata</i> , Studia Informatica series, Vol. LVI, No. 2, p. 125-131, 2011.	D	1	2	1.00
36	D. Iclanzan, R.I. Lung, A. Gog, C. Chira, <i>Evolutionary Computing in the Study of Complex Systems</i> , Studia Informatica series, Vol. LVI, No. 1, p. 80-94, 2011.	D	1	4	0.50
37	C. Chira , D. Horvath, <i>Evolutionary Algorithms for Protein Structure Prediction in Lattice Models</i> , Annals of West University of Timisoara, Series of Mathematics and Informatics, Vol. XLIX, no.1, p. 7-20, 2011.	D	1	2	1.00
38	C. Chira , T. F. Serbanuta, G. Stefanescu, <i>P Systems with control nuclei: The Concept</i> , Journal of Logic and Algebraic Programming (J.LAP), Vol. 79 (6), p. 326-333, 2010.	D	1	3	1.00
39	C. Chira , A. Gog, R. I. Lung, D. Iclanzan, <i>Complex Systems and Cellular Automata Models in the Study of Complexity</i> , Studia Informatica series, Vol. LV, No. 4, p. 33-49, 2010.	D	1	4	0.50
40	C. Chira , <i>Hill-Climbing Search in Evolutionary Models for Protein Folding Simulations</i> , Studia Universitatis Babes-Bolyai, Series Informatica, Vol. LV, Number 1, p. 29-40, 2010.	D	1	1	1.00
41	C.-M. Pinteaa, C. Chira , D. Dumitrescu, <i>New results of ant algorithms for the Linear Ordering Problem</i> , Analele Universitatii de Vest, Timisoara, Seria Matematica -Informatica, XLVIII, 3, p. 137-148, 2010.	D	1	3	1.00
42	C. Chira , C.-M. Pinteaa, D. Dumitrescu, <i>A Step-Back Sensitive Ant Model for Solving Complex Problems</i> , Studia Universitatis Babes-Bolyai, Informatica Series, Special Issue, p. 103-106, 2009.	D	1	3	1.00
43	A. Gog, C. Chira , D. Dumitrescu, <i>Distributed Asynchronous Collaborative Search</i> , Studia Universitatis Babes-Bolyai, Informatica Series, Special Issue, p. 99 – 102, 2009.	D	1	3	1.00
44	C. Chira , A. Gog, D. Zaharie, D. Dumitrescu, <i>Complex Dynamics in an Evolutionary Asynchronous Search Model</i> , Creative Mathematics and Informatics, Vol. 17 (2008) No.3, p. 346-356, 2008.	D	1	4	0.50
45	C. Chira , <i>Multi-Agent Distributed Computing</i> , Studia Universitatis Babes-Bolyai, Informatica Series, Special Issue, p. 201-208, 2007.	D	1	1	1.00
46	C. Chira , D. Dumitrescu, R. Gaceanu, <i>Stigmergic Agent Systems for Solving NP-hard Problems</i> , Studia Universitatis Babes-Bolyai, Informatica Series, Special Issue, p. 177-184, 2007.	D	1	3	1.00
47	C. Chira , C-M. Pinteaa, D. Dumitrescu, <i>Sensitive ant systems in combinatorial optimization</i> , Studia Universitatis Babes-Bolyai, Informatica Series, Special Issue, p.185–192, 2007.	D	1	3	1.00
48	S. R. Pop, C. I. Duduiala, C. Chira , <i>Simulating Microcapillary Networks Using Random Graphs</i> , Studia Universitatis Babes-Bolyai, Informatica Series, Special Issue, p.122-129, 2007.	D	1	3	1.00
TOTAL PUNCTAJ ARTICOLE REVISTA CATEGORIE A*, A, B sau C					85.50

LISTA ARTICOLE CONFERINTA

Nr.	Articol	Categorie	Nr. Autori	Punctaj	
1	M. Joldos, C. Chira , <i>A parallel evolutionary approach to community detection in complex networks</i> , 2017 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, pp. 247-254, 2017.	C	2	2.00	
2	J. Sedano, C. Chira , S. González, A. Herrero, E. Corchado, J.R Villar, <i>Characterization of Android Malware Families by a Reduced Set of Static Features</i> , SOCO-CISIS-ICEUTE 2016: 607-617, Book Series: Advances in Intelligent Systems and Computing Volume: 527 Pages: 607-617, 2017.	D	1	6	0.25
3	C. Jora, C. Chira , <i>Evolutionary community detection in complex and dynamic networks</i> , 2016 IEEE 12th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, pp. 127-134, 2016.	C	2	2	2.00
4	A. L. C. Bazzan, C. Chira , <i>A Hybrid Evolutionary and Multiagent Reinforcement Learning Approach to Accelerate the Computation of Traffic Assignment</i> : (Extended Abstract). AAMAS 2015: 1723-1724, 2015.	A*	12	2	12.00
5	C. Chira , A. L. C. Bazzan, <i>Route assignment using multi-objective evolutionary search</i> , 2015 IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, pp. 141-148, 2015.	C	2	2	2.00
6	C. Chira , C. Lemnar, <i>A multi-objective evolutionary approach to imbalanced classification problems</i> , 2015 IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, pp. 149-154, 2015.	C	2	2	2.00
7	J. Sedano, C. Chira , S. González, A. Herrero, E. Corchado, J.R. Villar, <i>On the Selection of Key Features for Android Malware Characterization</i> , CISIS-ICEUTE 2015: 167-176, 2015.	D	1	6	0.25
8	A. Popa, I.T. Banu-Demergian, C. Chira , F.M. Boian, G. Stefanescu, <i>A Unifying Framework for Interactive Programming and Applications to Communicating Peer-to-Peer Systems</i> , EGC 2015: 101-112, 2015.	D	1	5	0.33
9	C. Chira , A. L. C. Bazzan, R. J. F. Rossetti, <i>Multi-objective Evolutionary Traffic Assignment</i> , ITSC 2015: 1177-1182, 2015.	D	1	3	1.00
10	C. Chira , J. Sedano, J.R. Villar, M. Camara, C. Prieto, <i>Shape-Output Gene Clustering for Time Series Microarrays</i> , SOCO 2015: 241-250, 2015.	D	1	5	0.33
11	P.C. Pop, C. Chira , <i>A hybrid approach based on genetic algorithms for solving the Clustered Vehicle Routing Problem</i> , IEEE Congress on Evolutionary Computation (CEC 2014), p. 1421-1426, 2014.	B	4	2	4.00
12	C. Chira , A. Andreica, <i>Network Topologies for Cellular Automata Computation</i> , ISCS 2013: Interdisciplinary Symposium on Complex Systems, Emergence, Complexity and Computation Volume 8, 2014, Springer Berlin Heidelberg p. 271-281, 2014.	D	1	2	1.00
13	S. González, J. R. Villar, J. Sedano, C. Chira , <i>A Preliminary Study on Early Diagnosis of Illnesses Based on Activity Disturbances</i> , DCAI 2013, Advances in Intelligent Systems and Computing 217, p. 521-527, 2013.	D	1	4	0.50

14	N. Hatami, C. Chira , <i>Classifiers with a reject option for early time-series classification</i> , Proceedings of the IEEE Symposium on Computational Intelligence and Ensemble Learning, CIEL 2013 - IEEE Symposium Series on Computational Intelligence (SSCI), SSCI 2013, p. 9-16, 2013.	D	1	2	1.00
15	A. Andreica, C. Chira , <i>Using a Hybrid Cellular Automata Topology and Neighborhood in Rule Discovery</i> , HAIS 2013, Lecture Notes in Computer Science 8073 LNAI, p. 669-678, 2013.	C	2	2	2.00
16	J. R. Villar, S. González, J. Sedano, C. Chira , J. M. Trejo, <i>Human Activity Recognition and Feature Selection for Stroke Early Diagnosis</i> , HAIS 2013, Lecture Notes in Computer Science 8073 LNAI, p. 659-668, 2013.	C	2	5	0.67
17	C. Chira , J. Sedano, J. R. Villar, C. Prieto, E. Corchado, <i>Gene Clustering in Time Series Microarray Analysis</i> , SOCO-CISIS-ICEUTE 2013, p. 289-298, 2013.	D	1	5	0.33
18	C. Chira , A. Gog, D. Iclanzan, <i>Evolutionary Detection of Community Structures in Complex Networks: a New Fitness Function</i> , IEEE Congress on Evolutionary Computation (CEC 2012), Brisbane, Australia, p. 1719-1726, 2012.	B	4	3	4.00
19	D. Iclanzan, C. Chira , <i>Modeling and replicating higher-order dependencies in genetic algorithms</i> , IEEE Congress on Evolutionary Computation (CEC 2012), Brisbane, Australia, p. 1-8, 2012.	B	4	2	4.00
20	C. Chira , N. Hatami, <i>Hybrid Evolutionary Algorithm with a Composite Fitness Function for Protein Structure Prediction</i> , Proceedings of Intelligent Data Engineering and Automated Learning, IDEAL 2012, 13th International Conference, Natal, Brazil, August 29-31, 2012, vol. 7435, LNCS, Springer, p. 184-191, 2012.	C	2	2	2.00
21	I. Barbero, C. Chira , J. Sedano, C. Prieto, J. R. Villar, E. Corchado, <i>Merge Method for Shape-Based Clustering in Time Series Microarray Analysis</i> , Proceedings of Intelligent Data Engineering and Automated Learning, IDEAL 2012, 13th International Conference, Natal, Brazil, August 29-31, 2012, vol. 7435, LNCS, Springer, p. 834-841, 2012.	C	2	6	0.50
22	A. Gog, C. Chira , <i>Dynamics of Networks Evolved for Cellular Automata Computation</i> , Proceedings of the 7th International Workshop on Hybrid Artificial Intelligence Systems (HAIS 2012), Salamanca, Spain, Hybrid Artificial Intelligent Systems, Springer-Verlag, vol. 7208-7209, p. 359-368, 2012.	C	2	2	2.00
23	G. Armano, C. Chira , N. Hatami, <i>Ensemble of Binary Learners for Reliable Text Categorization with a Reject Option</i> , Proceedings of the 7th International Workshop on Hybrid Artificial Intelligence Systems (HAIS 2012), Salamanca, Spain, vol. 7208 HAIS (1), LNCS, p. 137-146, 2012.	C	2	3	2.00
24	A. Andreica, C. Chira , <i>The Role of Crossover in Evolutionary Approaches to Resource-Constrained Project Scheduling</i> , Proceedings of the 12th International Conference on Intelligent Systems Design and Applications (ISDA 2012), Kochi, India, IEEE, 2012.	D	1	2	1.00
25	G. Armano, C. Chira , N. Hatami, <i>A New Gene Selection Method Based on Random Subspace Ensemble for Microarray Cancer Classification</i> , Proceedings of the 6th IAPR International Conference on Pattern Recognition in Bioinformatics, Lecture Notes in Computer Science, Springer, Vol. 7036, p. 191-201, 2011.	C	2	3	2.00

26	R.I. Lung, A. Gog, C. Chira , <i>A Game Theoretic Approach to the Community Detection in Social Networks</i> , Proceedings of the 5th Nature Inspired Cooperative Strategies for Optimization Workshop (NICSO 2011), Cluj-Napoca, Romania, Studies in Computational Intelligence, Springer, Vol. 387, p. 121-131, 2011.	D	1	3	1.00
27	D. Iclanzan, A. Gog, C. Chira , <i>Enhancing the Computational Mechanics of Cellular Automata</i> , Proceedings of the 5th Nature Inspired Cooperative Strategies for Optimization Workshop (NICSO 2011), Cluj-Napoca, Romania, Studies in Computational Intelligence, Springer, Vol. 387, p. 267-283, 2011.	D	1	3	1.00
28	D. Iclanzan, F.P. Istvan, C. Chira , A. Gog, <i>Towards the Efficient Evolution of Particle-Based Computation in Cellular Automata</i> , Genetic and Evolutionary Computation Conference GECCO'11, Vol. GECCO (Companion), ACM, p. 835-836, 2011.	B	4	4	2.00
29	C. Chira , <i>A Hybrid Evolutionary Approach to Protein Structure Prediction with Lattice Models</i> , IEEE Congress on Evolutionary Computation (CEC 2011), IEEE, p. 2300-2306, 2011.	B	4	1	4.00
30	C. Chira , A. Gog, <i>Fitness Evaluation for Overlapping Community Detection in Complex Networks</i> , IEEE Congress on Evolutionary Computation (CEC 2011), IEEE, p. 2200-2206, 2011.	B	4	2	4.00
31	C. Chira , A. Gog, <i>Collaborative Community Detection in Complex Networks</i> , HAIS (1), Lecture Notes in Computer Science, Springer, Vol. 6678, p. 380-387, 2011.	C	2	2	2.00
32	A. Gog, C. Chira , <i>Comparative Analysis of Recombination Operators in Genetic Algorithms for the Travelling Salesman Problem</i> , HAIS (2), Lecture Notes in Computer Science, Springer, Vol. 6679, p. 10-17, 2011.	C	2	2	2.00
33	R. Jaramillo-Vacio, A. Ochoa-Zezzatti, S. Jöns, S. Ledezma-Orozco, C. Chira , <i>Diagnosis of partial discharge using self organizing maps and hierarchical clustering - An approach</i> , Lecture Notes in Computer Science, HAIS, 6678 LNAI (PART 1), p. 91-98, 2011.	C	2	5	0.67
34	C. Chira , J. Sedano, M. Camara, J. R. Villar, E. Corchado, <i>A hybrid evolutionary approach to the management of Bicycle Renting Systems</i> , Third World Congress on Nature & Biologically Inspired Computing NaBIC 2011, IEEE, p. 621-626, 2011.	D	1	5	0.33
35	C. Chira , J. Sedano, J.R. Villar, M. Camara, E. Corchado, <i>Evolutionary model support for Urban Bicycles Renting Systems</i> , 11th International Conference on Intelligent Systems Design and Applications (ISDA), IEEE, p. 819-824, 2011.	D	1	5	0.33
36	C.M. Pinteá, G.C. Crisan, C. Chira , <i>A Hybrid ACO Approach to the Matrix Bandwidth Minimization Problem</i> . HAIS (1) 2010: 405-412, LNCS 6076, 2010.	C	2	3	2.00
37	P. C. Pop, O. Matei, C. Pop Sitar, C. Chira , <i>A Genetic Algorithm for Solving the Generalized Vehicle Routing Problem</i> . HAIS (2) 2010: 119-126, LNCS 6077, 2010.	C	2	4	1.00
38	D. Horvath, C. Chira , <i>Simplified Chain Folding Models as Metaheuristic Benchmark for Tuning Real Protein Folding Algorithms?</i> , IEEE Congress on Evolutionary Computation (CEC 2010), 1-8, 2010.	B	4	2	4.00

39	C. Chira , D. Horvath, D. Dumitrescu, <i>An Evolutionary Model based on Hill-Climbing Search Operators for Protein Structure Prediction</i> , European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoStar 2010, C. Pizzuti, M.D. Ritchie, and M. Giacobini (Eds.): EvoBIO 2010, LNCS 6023, p. 38–49, Springer-Verlag Berlin Heidelberg 2010.	C	2	3	2.00
40	C. Chira , D. Horvath, <i>Evolutionary Algorithms for Protein Structure Prediction in Simplified Lattice Models</i> , Workshop on Natural Computing and Applications, 153, 12 th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), 2010.	C	2	2	2.00
41	A. Gog, C. Chira , D. Dumitrescu, <i>Collaborative Evolutionary Algorithms for detecting Overlapping Communities in Complex Networks</i> , Workshop on Natural Computing and Applications, 154, 12 th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), 2010.	C	2	3	2.00
42	C. Chira , A. Gog, D. Dumitrescu, <i>Asynchronous Collaborative Search using Adaptive Coevolving Subpopulations</i> , ECOMASS Workshop, Genetic and Evolutionary Computation Conference <i>GECCO'09</i> , July 8-12, 2009, Montreal, Canada, F. Rothlauf (Ed), <i>GECCO Companion</i> , ACM, 2575-2582, 2009.	B	4	3	4.00
43	C. Chira , C.-M. Pintea, G. C. Crisan, D. Dumitrescu, <i>Solving the Linear Ordering Problem using Ant Models</i> , Genetic and Evolutionary Computation Conference <i>GECCO'09</i> , July 8-12, 2009, Montreal, Canada, F. Rothlauf (Ed), ACM, 1803-1804, 2009.	A	8	4	4.00
44	A. Gog, C. Chira , D. Dumitrescu, <i>Asynchronous Evolutionary Search: Multi-Population Collaboration and Complex Dynamics</i> , IEEE Congress on Evolutionary Computation (CEC 2009), 240-246, 2009.	B	4	3	4.00
45	A. Gog, C. Chira , <i>Cellular Automata Rule Detection using Circular Asynchronous Evolutionary Search</i> , Proceedings of the 4th International Workshop on Hybrid Artificial Intelligence Systems (HAIS 2009), Salamanca, Spain, Lecture Notes in Computer Science, Vol. 5572, 261-268, Springer, 2009.	C	2	2	2.00
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TOTAL PUNCTAJ ARTICOLE CONFERINTA CATEGORIE A*, A, B sau C					117.50

TOTAL PERSPECTIVA b)	203.00
A*+A	78.67
A*+A+B	133.33

Perspectiva c) : Impactul rezultatelor

Articol citat: J. Sedano, S. González, C. Chira, Á. Herrero, E. Corchado, J.R. Villar, Key features for the characterization of Android malware families, Logic Journal of the IGPL 25(1): 54-66, 2017.					
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Roberts, C., Yasar, S., Morrell, D., Henderson, M., Danielson, S., Cooke, N., A pilot study of engineering design teams using protocol analysis (2007) ASEE Annual Conference and Exposition, Conference Proceedings, 10 p.	D	1	3	1.00
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Farshchi, M., Jusoh, Y. Y., & Murad, M. A. A. (2010, August). Agent-based distributed performance measurement system for ITSP projects. In Electronics and Information Engineering (ICEIE), 2010 International Conference On (Vol. 1, pp. V1-476). IEEE.	D	1	3	1.00
Zhang, H., Liu, Y., Li, C., & Jiao, R. (2010). Deriving event graphs through process mining for runtime change management. In Modelling and Management of Engineering Processes (pp. 127-138). Springer London.	D	1	3	1.00
<p>C. Chira, D. Tormey, T. Roche, An Ontological and Agent Based approach to Knowledge Management within a Distributed Design Environment, First International Conference on Design Computing and Cognition (DCC'04), MIT, Cambridge, USA, July 19-21, p. 459-478, 2004.</p>				
Maier, Franz; Mayer, Wolfgang; Stumptner, Mlarkus; et al., Ontology-Based Process Modelling for Design Optimisation Support, 3rd International Conference on Design Computing and Cognition '08, pp. 513-532 Gero, JS; Goel, A (Eds), 2008.	D	1	3	1.00
<p>C. Chira, O. Chira, T. Roche, A. Brennan, Semantic Tools for Knowledge Management in Distributed Engineering Design, 10th International Conference on Concurrent Enterprising Escuela Superior de Ingenieros, Seville, Spain, June 14-16, 2004.</p>				
Katzy, B. R., & Sung, G. (2005). Engineering Productivity and Collaboration Systems-A Review of Six Years Research at the International Concurrent Enterprising (ICE) Conference. In 11th International Conference on Concurrent Enterprising (ICE 2005) (pp. 143-150).	D	1	3	1.00
<p>D. Tormey, O. Chira, C. Chira, A. Brennan, T. Roche, The Use of Ontologies for Defining Collaborative Design Processes, 32nd International Conference on Computers and Industrial Engineering, University of Limerick, August 11-12, 2003.</p>				
Kusiak, A., & Salustri, F. (2007). Computational intelligence in product design engineering: review and trends. Systems, Man, and Cybernetics, Part C: Applications and Reviews, IEEE Transactions on, 37(5), 766-778.	D	1	5	0.33

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Hamid, B. (2007). Mapping Design Process into Process Design: Implementing Collaborative Design from Social Psychological Approaches. In 25th eCAADe Conference on Predicting the Future (pp. 711-716).	D	1	5	0.33
Witte, P., Cann, W., & Jimenez, H. (2010). Capstone Design Project Challenges in Inter-Institutional, Geographically Dispersed Teams. In Proceedings of the 48th AIAA Aerospace Sciences Meeting (pp. 2010-893).	D	1	5	0.33
D. Tormey, C. Chira, O. Chira, T. Roche, A. Brennan, Development of Engineering Design Methodologies and Software Tools to Support the Creative Process of Design in a Distributed Environment, International Conference on Engineering Design ICED 03, Stockholm, August 19-21, 2003.				
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Hoss, A. M., & Carver, D. L. (2006, March). Ontological approach to improving design quality. In Aerospace Conference, 2006 IEEE (pp. 12-pp). IEEE.	D	1	5	0.33
O. Chira, C. Chira, D. Tormey, A. Brennan, T. Roche, A Multi-Agent Architecture for Distributed Design, HoloMAS, 2003, First International Conference on Industrial Applications of Holonic and Multi-Agent Systems, HoloMAS 2003, Springer, Lecture Notes in Computer Science, Vol. 2744, p. 213-224, 2003.				
Qiu, H. B.; Shao, X. Y.; Li, P. G.; et al., An agent- and service-based collaborative design architecture under a dynamic integration environment, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY Volume: 35 Issue: 1-2, pp.15-25 , 2007.	B	4	5	1.33
Yu, J., Cha, J., Lu, Y., Xu, W., & Sobolewski, M. (2010). A CAE-integrated distributed collaborative design system for finite element analysis of complex product based on SOOA. Advances in Engineering Software, 41(4), 590-603.	A	8	5	2.67
Cochrane, S., Young, R., Case, K., Harding, J., Gao, J., Dani, S., & Baxter, D. (2009). Manufacturing knowledge verification in design support systems. International Journal of Production Research, 47(12), 3179-3204.	B	4	5	1.33
Fan, L. Q., Kumar, A. S., Jagdish, B. N., & Bok, S. H. (2008). Development of a distributed collaborative design framework within peer-to-peer environment. Computer-Aided Design, 40(9), 891-904.	A	8	5	2.67
Cochrane, S. D., Case, K., Young, R. I., Harding, J. A., & Dani, S. (2005, January). Knowledge sharing between design and manufacture. In Knowledge-Based Intelligent Information and Engineering Systems (pp. 221-227). Springer Berlin Heidelberg.	D	1	5	0.33
Liu, H. (2010). Context-aware agents in cooperative design environment. International Journal of Computer Applications in Technology, 39(4), 187-198.	D	1	5	0.33
TOTAL PERSPECTIVA c)				796.25
A*+A+B				577.33

Perspectiva d) : Performanta academica

i) Carti de autor/editate si capitole publicate in edituri (conform clasamentului SENSE)

Nr.	Titlu	Nr. Autori	Tip	Categorie	Punctaj
1	C.A.O.O. Zezzatti, D. Young, C. Chira, D. Azpeitia, A. Calvillo, Mass media strategies: Hybrid approach using a bioinspired algorithm and social data mining, IT Policy and Ethics: Concepts, Methodologies, Tools, and Applications, 1-3, pp. 322-347, Hershey, PA: IGI Global, 2013 (DOI: 10.4018/978-1-4666-2919-6.ch015, DOCUMENT TYPE: Book Chapter)	5	Capitol	Nelistat	0.33
2	C. Chira, A. Gog, Recombination operators in permutation-based evolutionary algorithms for the travelling salesman problem, Logistics Management and Optimization through Hybrid Artificial Intelligence Systems, pp. 268-285, Hershey, PA: IGI Global, 2012 (DOI: 10.4018/978-1-4666-0297-7.ch010, DOCUMENT TYPE: Book Chapter)	2	Capitol	Nelistat	1.00
3	C.A. Ortiz Zezzatti, D. Young, C. Chira, D. Azpeitia, A. Calvillo, Mass media strategies: Hybrid approach using a bioinspired algorithm and social data mining, Logistics Management and Optimization through Hybrid Artificial Intelligence Systems, pp. 327-354, Hershey, PA: IGI Global, 2012 (DOI: 10.4018/978-1-4666-0297-7.ch013, DOCUMENT TYPE: Book Chapter)	5	Capitol	Nelistat	0.33
4	C. A. Ortiz Zezzatti, C. Chira, A. Hernández-Aguirre M. Basurto, Logistics Management and Optimization through Hybrid Artificial Intelligence Systems, pp. 1-514, Hershey, PA: IGI Global, 2012 (DOI: 10.4018/978-1-4666-0297-7, DOCUMENT TYPE: Book)	4	Carte	Nelistat	1.00
5	C. Chira, Multi-Agent Systems for Distributed Collaborative Design, Casa Cărții de Știință, Cluj-Napoca, ISBN: 978-973-133-036-5, 2007.	1	Carte	Nelistat	2.00
6	B. Iantovics, C. Chira, D. Dumitrescu, Principiile Agenților Inteligenți, Casa Cărții de Știință, Cluj-Napoca, ISBN: 978-973-133-035-8, 2007.	1	Carte	Nelistat	2.00
Total i)					6.33

ii) Editor proceedings la conferinte

Nr.	Titlu	Nr. Autori	Categorie	Punctaj
1	D.A. Pelta, N. Krasnogor, D. Dumitrescu, C. Chira, R.I. Lung (Eds.) Nature Inspired Cooperative Strategies for Optimization, Studies in Computational Intelligence, Vol. 387, 1st Edition., 2012, XXII, 350 p. 113 illus, Springer, ISBN 978-3-642-24093-5 (postproceedings).	5	D	0.33
Total ii)				0.33

iii) Publicarea unui curs universitar in format electronic

iv) Director/editor al unei reviste

v) Director (coordonator/responsabil) | membru al unui grant/proiect/contract/program de cercetare national/international

Nr	Titlu	Valoare	Calitate	Punctaj
1	Interconectarea rețelelor WSN (Wireless Sensor Network) în agricultura de precizie. Modele hibride de clasificare, recomandare și învățare, Proiect 1996/2017 Universitatea Tehnica din Cluj-Napoca, 2017-2018	< 50.000 Eur	Membru	1

2	Emergență, auto-organizare și evoluție: noi modele computaționale în studiul sistemelor complexe, Grant TE, cod CNCISIS 320, Universitatea Babeș-Bolyai, 2010-2013	100.000 - 199.999 Euro	Director	6
3	Noi paradigme computaționale pentru probleme dinamice complexe, Grant PN-II-IDEI, cod CNCISIS 508, Universitatea Babeș-Bolyai, 2007-2010	200.000 - 499.999 Euro	Membru	4
4	NATCOMP – Noi modele inspirate de natură în studiul complexității și rezolvarea problemelor complexe, Grant PN-II-Parteneriate, proiect 11-028, Universitatea Babeș-Bolyai, 2007-2010	200.000 - 499.999 Euro	Membru	4
5	Metode de calcul inspirate de natură. Noi paradigme și metaeuristici. Aplicații din lumea reală, Grant CNCISIS, cod proiect 1477, Universitatea Babeș-Bolyai, 2007-2009	200.000 - 499.999 Euro	Membru	4
6	Calcul natural - noi paradigme și aplicații, Grant CEEEX Romania, Universitatea Babeș-Bolyai, 2005-2007	< 50.000 Euro	Membru	1
7	Intelligent agent based collaborative design information and support tools (IDIMS), Grant Enterprise Ireland, Galway-Mayo Institute of Technology, Ireland, 2002-2005	100.000 - 199.999 Euro	Membru	3
8	Information management for green design (IMAGREE), Grant Enterprise Ireland, Galway-Mayo Institute of Technology, Ireland, 2000-2002	100.000 - 199.999 Euro	Membru	3
Total v)				26

vi) Membru in comitetul stiintific (de program) al unor conferinte, simpozioane, workshop-uri

Nr.	Titlu	Categorie	Punctaj
1	20th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Artificial Intelligence Track, Membru in comitetul de program, 2018	C	1
2	11th International Workshop on Computational Optimization (WCO), Membru in comitetul de program, 2018	D	0.5
3	19th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Artificial Intelligence Track, Membru in comitetul de program, 2017	C	1
4	14th International Conference on Distributed Computing and Artificial Intelligence (DCAI), Membru in comitetul de program, 2017	D	0.5
5	10th International Workshop on Computational Optimization (WCO), Membru in comitetul de program, 2017	D	0.5
6	11th International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO), Membru in comitetul de program, 2016	D	0.5
7	18th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Artificial Intelligence Track, Membru in comitetul de program, 2016	C	1
8	Ninth International Workshop on Agents in Traffic and Transportation (ATT), Membru in comitetul de program, 2016	D	0.5
9	10th International Workshop on Hybrid Metaheuristics (HM), 2016	D	0.5
10	13th International Conference on Distributed Computing and Artificial Intelligence (DCAI), Membru in comitetul de program, 2016	D	0.5
11	9th International Workshop on Computational Optimization (WCO), Membru in comitetul de program, 2016	D	0.5

12	10th International Conference on Hybrid Artificial Intelligence Systems (HAIS), Membru in comitetul de program, 2015	C	1
13	Second Workshop on Interfaces between Multiagent Systems, Machine Learning and Complex Systems (TRI), Membru in comitetul de program, 2015	D	0.5
14	10th International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO), Membru in comitetul de program, 2015	D	0.5
15	17th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Artificial Intelligence Track, Membru in comitetul de program, 2015	C	1
16	8th International Workshop on Computational Optimization (WCO), Membru in comitetul de program, 2015	D	0.5
17	9th International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO), Membru in comitetul de program, 2014	D	0.5
18	14th Ibero-American Conference on Artificial Intelligence (IBERAMIA), 2014, LNCS/LNAI 8864, PC Chair in Bio-inspired computing track, 2014.	C	1
19	9th International Conference on Hybrid Artificial Intelligence Systems (2014), Membru in comitetul de program, 2014	C	1
20	16th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Artificial Intelligence Track, Membru in comitetul de program, 2014	C	1
21	8th International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO), Membru in comitetul de program, 2013	D	0.5
22	1st BRICS Countries & 11th Brazilian Congress on Computational Intelligence, PC member of Computational Intelligence in Bioinformatics Symposium, 2013	D	0.5
23	8th International Conference on Hybrid Artificial Intelligence Systems (HAIS), Membru in comitetul de program, 2013	C	1
24	15th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Artificial Intelligence Track, Membru in comitetul de program, 2013	C	1
25	7th International Conference on Hybrid Artificial Intelligence Systems (HAIS), Membru in comitetul de program, 2012	C	1
26	15th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Artificial Intelligence Track, Membru in comitetul de program, 2012	C	1
27	6th International Conference on Hybrid Artificial Intelligence Systems (HAIS), Membru in comitetul de program, 2011	C	1
28	5th International Conference on Hybrid Artificial Intelligence Systems (HAIS), Membru in comitetul de program, 2010	C	1
		Total vi)	21

vii) Organizare evenimente stiintifice/ scoli de vara

Nr	Titlu	Calitate	Punctaj
1	Sesiunea Specială SOCO15-SS01: Soft Computing Methods in Bioinformatics în cadrul conferinței internaționale Soft Computing Models in Industrial and Environmental Applications, Burgos, 2015, SOCO 2015, Spania	Membru	1
2	Sesiunea Specială Hybrid Metaheuristics for Combinatorial Optimization and Modelling Complex Systems în cadrul conferinței internaționale Hybrid Artificial Intelligent Systems, HAIS 2013, Spania	Membru	1
3	Sesiunea Specială Hybrid Metaheuristics for Combinatorial Optimization and Modelling Complex Systems în cadrul conferinței internaționale Hybrid Artificial Intelligent Systems, HAIS 2012, Spania	Membru	1
4	Sesiunea Specială Hybrid Metaheuristics for Combinatorial Optimization and Modelling Complex Systems în cadrul conferinței internaționale Hybrid Artificial Intelligent Systems, HAIS 2011, Spania	Membru	1
5	Optimization (NICSO), 20-22 october 2011, Cluj-Napoca, Romania; Proceedings: D.A. Pelta, N. Krasnogor, D. Dumitrescu, C. Chira, R.I. Lung (Eds.) Nature Inspired Cooperative Strategies for Optimization, Studies in Computational Intelligence, Vol. 387, 1st Edition., 2012, XXII, 350 p. 113 illus, Springer	Membru	1
6	Sesiunea Specială Hybrid intelligent system on logistics în cadrul conferințelor internaționale Hybrid Artificial Intelligent Systems (HAIS) 2011, Spania	Membru	1
7	Workshop COPCOM 2011 - Coping with Complexity, Cluj-Napoca, Romania	Membru	1
8	Sesiunea Specială Hybrid intelligent system on logistics în cadrul conferințelor internaționale Hybrid Artificial Intelligent Systems (HAIS) 2011, Spania	Membru	1
Total vii)			8

viii) Keynote/invited speaker/profesor la evenimente/universitati

Nr	Titlu	Tip	Punctaj
1	Summer School on Evolutionary Computing in Optimization and Data Mining (ECODAM), 19-22 iunie 2017, Iasi, Romania, Invited speaker	Scoala de vara internationala	4
2	Bitdefender Doctoral Summer School on Evolutionary Computing in Optimisation and Data Mining (ECODAM), 22-26 iunie 2013, Iasi, Romania, Invited speaker	Scoala de vara internationala	4
Total viii)			8

ix) Profesor/cercetator asociat/visiting

Nr	Titlu	Categorie	Punctaj
1	Universitatea Federal do Rio Grande do Sul, Brazilia, Visiting ianuarie-februarie 2014, World Rank 401-500*	Top 500	2
2	University of Vigo, Spania, Visiting iulie 2013, World Rank 501-600*	>500	1
3	University of North Dakota, SUA, Visiting aprilie-mai 2013	>500	1
4	University of Cagliari, Italia, Visiting septembrie-octombrie 2011, World Rank 701-800*	>500	1
5	University of Burgos, Spania, Visiting mai-iunie 2010	>500	1

6	Universitatea din Strasbourg, Franța, Visiting decembrie 2009, World Rank 101-150*	Top 200	4
7	University of Illinois at Urbana-Champaign, SUA, Visiting noiembrie-decembrie 2008, World Rank 37*	Top 100	8
Total ix)			18

* conform Academic Ranking of World Universities (ARWU) 2017, www.shanghairanking.com, iulie 2018

x) Consolidarea de echipe de cercetare

Nr	Titlu	Nivel	Nr ani	Punctaj
1	PNCDI II, RU, TE_320, Emergență, auto-organizare și evoluție: noi modele computaționale în studiul sistemelor complexe, 2010-2013, Director proiect	National	3	6
Total x)				6

xi) Membru in comisii de evaluare a tezelor de doctorat

xii) Membru in comisii de indrumare a doctoranzilor

xiii) Brevete si inventii active

Nr	Titlu	Nr autori	Punctaj
1	Multi-agent electronic device for detecting lateral cerebrovascular accidents, assists detection of stroke by detecting main symptoms that include lack of mobility in half of body opposite to location of stroke, Patent Number(s): WO2013045725-A2 ; WO2013045725-A3 ; ES2415579-A1 ; ES2415579-B1; Inventor(s): SEDANO FRANCO J, MIGUEL BENITO A, GONZALEZ BERNAL J J, CHIRA C, VILLAR FLECHA J R, Patent Assignee Name(s) and Code(s): INST TECNOLOGICO CASTILLA Y LEON (TECN-Non-standard), Derwent Primary Accession Number: 2013-F15010 [09]	5	4
Total xiii)			4

xiv) Dezvoltarea de pachete si instrumente software, dezvoltarea de resurse si colectii de date de larga utilitate

xv) Pozitii de conducere in organizatii profesionale

xvi) Premii si alte merite

Nr	Titlu	Punctaj
1	Premiul "Grigore Moisil" 2008 acordat de Academia Română pentru rezultatele cercetării și un grup de articole despre metaeuristici bazate pe cromodinamica genetică pentru optimizare.	

TOTAL PERSPECTIVA d)	97.67
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