

**Fișa de verificare a îndeplinirii
standardelor minime conform OMECTS, Nr. 890 bis/27.XII.2012**

Candidat: conf. dr. Istvan Gergely CZIBULA

Instituția: Universitatea Babeș-Bolyai

Centralizator verificare perspective

Perspectiva	Condiții minime	Punctaj realizat	Îndeplinire
a) Etica cercetării	Se respectă normele de etică a cercetării	Am respectat normele de etică a cercetării	DA
b) Producția științifică	56 puncte din care 24 puncte din lucrări de categoria A și 16 puncte din lucrări de cel puțin categoria B	98.64 puncte din care 60 puncte din lucrări de categoria A și 64 puncte din lucrări de cel puțin categoria B	DA
c) Impactul rezultatelor	120 puncte din care 40 de puncte în forumuri de minim tip B	382.95 puncte din care 275.33 de puncte în forumuri de minim tip B	DA
d) Performanța academică	60 puncte	98.6 puncte	DA
PUNCTAJ TOTAL	236 puncte	580.19 puncte	DA

a) Etica cercetării

Subsemnatul Istvan Gergely Czibula, am respectat toate normele de etică a cercetării și prin urmare perspectiva a) o evaluez cu calificativul: **îndeplinit**.

b) Producția științifică

NOTĂ

Pentru clasificarea jurnalelor și conferințelor (excepție făcând publicațiile la care se menționează explicit sursa clasificării) s-au folosit listele din ianuarie 2014.

Publicația	Tip publicație	Categorie	Revistă/conferință	Formula de calcul $\frac{Pctaj\ forum}{\max\{1, na - 2\}}$	Punctaj
1. Czibula, G., Bocicor, M. I., Czibula, I.G. , <i>Promoter Sequences Prediction Using Relational Association Rule Mining</i> , Evolutionary Bioinformatics, Vol. 8, 2012, pp. 181-196	jurnal	A	Evolutionary Bioinformatics (ISSN 11769343) <i>(conform listelor din 2013)</i>	$\frac{8}{1}$	8
2. Czibula, G., Czibula, I.G. , Găceanu, R.D., <i>Intelligent Data Structures Selection using Neural Networks</i> , Knowledge and Information Systems, Volume 34, Issue 1, 2013, Page 171-192	jurnal	A	Knowledge and Information Systems (ISSN 02191377)	$\frac{8}{1}$	8
3. Czibula, G., Bocicor, M. I., Czibula, I.G. , <i>Temporal Ordering of Cancer Microarray Data through a Reinforcement Learning Based Approach</i> , PloS One journal, 8(4): e60883, doi:10.1371/journal.pone.0060883, 2013	jurnal	A	PloS One <i>(conform serviciului web de determinare a clasificării jurnalelor din alte domenii decat Informatica)</i>	$\frac{8}{1}$	8
4. Gabriela Czibula, Zsuzsanna Marian, Istvan Gergely Czibula , <i>Software Defect Prediction using Relational Association Rule Mining</i> , Information Sciences, Vol. 264, April 2014, pp. 260-278	Jurnal	A	Information Sciences (ISSN 00200255)	$\frac{8}{1}$	8
5. Czibula, G., Czibula, I.G. , Găceanu, R.D., <i>A Support Vector Machine Model For Intelligent Selection of Data Representations</i> , Applied Soft Computing, Volume 18, May 2014, Pages 70–81	Jurnal	A	Applied Soft Computing (ISSN 15684946)	$\frac{8}{1}$	8
6. Gabriela Czibula, Istvan Gergely Czibula , <i>Software systems performance improvement by intelligent data structures customization</i> , Information Sciences, Vol. 274, 2014, pp. 249-260	Jurnal	A	Information Sciences (ISSN 00200255)	$\frac{8}{1}$	8

7. Gabriela Czibula, Zsuzsanna Marian, Istvan Gergely Czibula , <i>Detecting Software Design Defects Using Relational Association Rule Mining</i> , Knowledge and Information Systems, Vol. 42, Number 3, 2015, pp. 545-577	jurnal	A	Knowledge and Information Systems (ISSN 02191377)	$\frac{8}{1}$	8
8. Gabriela Czibula, Istvan Gergely Czibula , Adela Sîrbu, Ioan-Gabriela Mircea, <i>A novel approach to adaptive relational association rule mining</i> , Applied Soft Computing journal, Vol. 36, November 2015, pp. 519-533, 2015	Jurnal	A	Applied soft computing	$\frac{8}{2}$	4
Punctaj publicații în forumuri A					60
9. Czibula, G., Czibula, I.G. , <i>Unsupervised Restructuring of Object-Oriented Software Systems using Self-Organizing Feature Maps</i> , International Journal of Innovative Computing Information and Control, Japan, Volume 8, No. 3(A), 2012, pp. 1689-1704	jurnal	B	International Journal of Innovative Computing, Information and Control (ISSN 13494198)	$\frac{4}{1}$	4
Punctaj publicații în forumuri A+B					64
10. Zsuzsanna Marian, Gabriela Czibula, Istvan Gergely Czibula , <i>Using Software Metrics for Automatic Software Design Improvement</i> , Studies in Informatics and Control, ISSN 1220-1766, vol. 21 (3), pp. 249-258, 2012	jurnal	C	Studies in Informatics and Control (ISSN 12201766)	$\frac{2}{1}$	2
11. Bocicor, M. I., Czibula, G., Czibula, I.G. , <i>A Distributed Q-Learning Approach to Fragment Assembly</i> , SIC Journal, Studies in Informatics and Control, Vol. 20, Issue. 3, 2011, pp. 221-232	jurnal	C	Studies in Informatics and Control (ISSN 12201766)	$\frac{2}{1}$	2
12. Czibula, G., Czibula, I.G. , <i>Incremental Refactoring Using Seeds</i> , SIC Journal, Studies in Informatics and Control, Vol. 19, Issue. 3, 2010, pp. 271-284	jurnal	C	Studies in Informatics and Control (ISSN 12201766)	$\frac{2}{1}$	2
13. Czibula, G., Crișan C.G., Pinte, M.C., Czibula, I.G. , <i>Soft computing approaches on the bandwidth problem</i> , Informatica, Vilnius, Lithuania, 2013, Vol. 24, No. 1, pp. 1-12	jurnal	C	Informatica Lithuania (ISSN 08684952)	$\frac{2}{2}$	1
14. Czibula, G., Cojocar, G.S., Czibula, I.G. , <i>Evaluation Measures For Partitioning Based Aspect Mining Techniques</i> , International Journal of Computers, Communications and Control, 6(1), 2011, pp. 72-80	jurnal	C	International Journal of Computers, Communications and Control (ISSN 18419836)	$\frac{2}{1}$	2
15. Lazăr, L.C., Lazăr, I., Pârv, B., Motogna, S., Czibula, I.G. , <i>Tool support for fUML Modes</i> , International Journal of Computers, Communications and Control, Vol. 5, No. 5, 2010, pp. 770-777	jurnal	C	International Journal of Computers, Communications and Control (ISSN 18419836)	$\frac{2}{3}$	0.66
16. S. Motogna, I. Lazar, B. Parv, I. G. Czibula . <i>An Agile MDA Approach for Service Oriented Components</i> , Proceedings 6 th International Workshop on Formal Engineering Approaches to Software Components and Architectures, FESCA-ETAPS'2009, in Electronic Notes in Theoretical Computer Science 2009, vol. 253, Elsevier, pp. 95-110	Jurnal	C	Electronic Notes in Theoretical Computer Science (ISSN 15710661)	$\frac{2}{2}$	1
17. Czibula, I.G. , Șerban, G., <i>Hierarchical clustering based design patterns Identification</i> , International Journal of Computers, Communications and Control, Vol. 3, Proceedings of the International Conference on Computers, Communications and Control, ICCCC 2008, Oradea, 2008, pp. 248-252	Jurnal	C	International Journal of Computers, Communications and Control (ISSN 18419836)	$\frac{2}{1}$	2
18. Czibula, I.G. , Lazăr, L.C., Lazăr, I., Motogna, S., Pârv, B., <i>ComDeValCo Development Tools for Procedural Paradigm</i> , International Journal of Computers, Communications and Control, Vol. 3, Proceedings of the International Conference on Computers, Communications and Control, ICCCC 2008, Oradea, 2008, pp. 243-247	jurnal	C	International Journal of Computers, Communications and Control (ISSN 18419836)	$\frac{2}{3}$	0.66

19. Șerban, G., Câmpan, A., Czibula, I.G. , <i>A Programming Interface For Finding Relational Association Rules</i> , International Journal of Computers, Communications and Control, Vol. I/2006, Proceedings of the International Conference on Computers, Communications and Control, ICCCC 2006, Oradea, 2006, pp. 934-944	jurnal	C	International Journal of Computers, Communications and Control (ISSN 18419836)	$\frac{2}{1}$	2
20. Czibula, I.G. , Șerban, G., <i>A Programming Interface for Determining Refactorings of Object-Oriented Software Systems using Clustering</i> , ICCP 2007: Proceedings of the IEEE 3 rd International Conference on Intelligent Computer Communication and Processing, September, 6-8, 2007, Cluj-Napoca, Romania, pp. 271-274	conferință	C	International Conference on IEEE Intelligent Computer Communication and Processing (ICCP)	$\frac{2}{1}$	2
21. Șerban, G., Czibula, I.G. , <i>Restructuring Software Systems Using Clustering</i> , ISCIS 2007, Proceedings of The 22th International Symposium on Computer and Information Sciences, IEEEExplore, November 7-9, Ankara, Turkey, 2007, pp. 262-267	conferință	C	International Symposium on Computer and Information Sciences (ISCIS)	$\frac{2}{1}$	2
22. Șerban, G., Czibula, I.G. , <i>Object-Oriented Software Systems Restructuring through Clustering</i> , ICAISC'08, The Eighth International Conference on Artificial Intelligence and Soft Computing, LNAI 5097, pp. 693-704	conferință	C	International Conference on Artificial Intelligence and Soft Computing (ICAISC)	$\frac{2}{1}$	2
23. Czibula, I.G. , Czibula, G., <i>Refactorings Detection Using Hierarchical Clustering</i> , European Computing Conference, ECC'08, Malta, 2008, pp. 332-337	conferință	C	European Computing Conference (ECC)	$\frac{2}{1}$	2
24. Czibula, I.G., Czibula, G. , <i>Clustering based automatic refactorings identification</i> , SYNASC 2008, The 10 th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timișoara, 2008, pp. 253-256	conferință	C	International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	$\frac{2}{1}$	2
25. Lazăr, I., Pârv, B., Motogna S., Czibula, I.G. , Lazăr, L., <i>iCOMPONENT: A Platform-Independent Component Model for Dynamic Execution Environments</i> , SYNASC 2008, The 10 th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timișoara, 2008, pp. 257-264	conferință	C	International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	$\frac{2}{3}$	0.66
26. Czibula, G., Guran, A., Czibula, I.G. , Cojocar, G.S., <i>IPA – An Intelligent Personal Assistant Agent For Task Performance Support</i> , ICCP 2009: Proceedings of the IEEE 5 th International Conference on Intelligent Computer Communication and Processing, 2009, Cluj-Napoca, Romania, pp. 31-34	conferință	C	International Conference on IEEE Intelligent Computer Communication and Processing (ICCP)	$\frac{2}{2}$	1
27. Czibula, I.G. , Czibula, G., Guran, A., <i>Dynamic customization of data structures instances using an agent based approach</i> , SYNASC 2009, The 11 th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timișoara, 2009, IEEE Society Press, pp. 341-347	conferință	C	International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	$\frac{2}{1}$	2
28. Lazar, L., Lazar, I., Parv, B., Motogna, S., Czibula, I. G. , <i>Using a fUML Action Language to construct UML models</i> , SYNASC 2009, The 11 th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timișoara, 2009, IEEE Society Press, ISBN 978-0-7695-3694-5, pp. 93-101	conferință	C	International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	$\frac{2}{3}$	0.66
29. Bocicor, M. I., Czibula, G. , Czibula, I.G., <i>A Reinforcement Learning Approach for Solving the Fragment Assembly Problem</i> , Proceedings of the 13 th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2011, IEEE Computer Society, pp. 191-198, 2011	conferință	C	International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	$\frac{2}{1}$	2

30. Șerban, G., Czibula, I.G. , <i>A New Clustering Approach for Systems Designs Improvement</i> , 2007 International Conference on Software Engineering Theory and Practice, SETP-07, Orlando, USA, July 9-12, 2007, pp. 47-54	conferință	C	International Conference on Software Engineering Theory and Practice (SETP)	$\frac{2}{1}$	2
31. Czibula, I.G. , Czibula, G., Marian, Zs., Ionescu, V.S., <i>A Novel Approach Using Fuzzy Self-Organizing Maps for Detecting Software Faults</i> , Studies in Informatics and Control, ISSN 1220-1766, vol. 25 (2), pp.1-12, 2016	Jurnal	C	Studies in Informatics and Control	$\frac{2}{2}$	1
				P=	98.64

c) Impactul rezultatelor

Nr crt	Referința bibliografică care citează	Tip publicație	Categorie	Revistă/conferință	Formula de calcul	Punctaj
	Șerban, G., Czibula, I.G., <i>Object-Oriented Software Systems Restructuring through Clustering</i>, ICAISC'08, The Eighth International Conference on Artificial Intelligence and Soft Computing, LNAI 5097, pp. 693-704					27
1	Cassell, K., Andreae, P., Groves, L., Noble, J., <i>Towards Automating Class-Splitting Using Betweenness Clustering</i> , ASE '09: Proceedings of the 2009 IEEE/ACM International Conference on Automated Software Engineering, IEEE Computer Society, 2009, pp. 595-599	Conferință	A	Automated Software Engineering Conference (ASE)	$\frac{8}{1}$	8
2	Keith Cassell Craig Anslow Lindsay Groves Peter Andreae, <i>Visualizing the Refactoring of Classes via Clustering</i> , 34 th Australasian Computer Science Conference (ACSC 2011), Perth, Australia, January 2011, pp. 1-10 (citation at pp. 2,3,9)	Conferință	B	Australasian Computer Science Conference (ACSC)	$\frac{4}{1}$	4
3	Jinghong Chen, <i>Refactoring with CARE: Fine-Grained Analysis of Refactoring Effects</i> , PhD Thesis, National Cheng Kung Univeristy, China, 2009 (citation at pp. 23, 66, 67, 68...)	Teză doctorat	D		$\frac{1}{1}$	1
4	Pan, Weifeng , Li, Bing, Ma, Yutao, Liu, Jing, Qin, Yeyi, <i>Class structure refactoring of object-oriented softwares using community detection in dependency networks</i> , Frontiers of Computer Science in China, Higher Education Press, co-published with Springer-Verlag GmbH, vol. 3, issue 3, pp. 396-404, 2009	Conferință	D	Frontiers of Computer Science in China (indexată Springer)	$\frac{1}{1}$	1
5	Niels Streekmann, <i>Clustering-Based Support for Software Architecture Restructuring</i> , Springer Verlag, 2011 (citation at pp. 39)	Carte	D		$\frac{1}{1}$	1
6	Aftab Hussain and Md. Saidur Rahman. 2013. A new hierarchical clustering technique for restructuring software at the function level. In Proceedings of the 6 th India Software Engineering Conference (ISEC '13). ACM, New York, NY, USA, 45-54.	Conferință	D	ISEC (indexată ACM)	$\frac{1}{1}$	1
7	Hewijin Jiau, Lee Wei Mar, Jinghong Chen, " <i>OBEY: Optimal Batched Refactoring Plan Execution for Class Responsibility Redistribution</i> ," IEEE Transactions on Software Engineering, vol. 99, no. PrePrints, p. 1, , 2013 (citation at pp. 2)	Jurnal	A	IEEE Transactions on Software Engineering	$\frac{8}{1}$	8
8	Cassell, K., Anslow, C., Groves, L., Andreae, P., <i>Vizualizing Class Refactoring via Clustering</i> , Victoria University of Wellington, Technical Report ECSTR10-17, 2010	Raport tehnic	D		$\frac{1}{1}$	1
9	Cassell, K., Groves, L., Andreae, P., Noble, J., <i>An Initial Test Suite for Automated Extract Class Refactorings</i> , Victoria University of Wellington, Technical Report ECSTR10-21, 2010	Raport tehnic	D		$\frac{1}{1}$	1

10	Sarge Rogatch, <i>Automatic Structure Discovery for Large Source Code</i> , Master Thesis, Univ. of Amsterdam, 2010	Teză master	D		$\frac{1}{1}$	1
Czibula, I.G., Czibula, G., <i>Clustering based automatic refactorings identification</i> , SYNASC 2008, The 10 th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timișoara, 2008, IEEE Society Press, pp. 253-256						26
1	Kecia A.M. Ferreira, Mariza A.S. Bigonha, Roberto S. Bigonha, Luiz F.O. Mendes, Heitor C. Almeida, <i>Identifying thresholds for object-oriented software metrics</i> , Journal of Systems and Software, Vol. 85, Issue 2, Pages 244–257, 2012	Jurnal	A	Journal of Systems and Software (ISSN 01641212)	$\frac{8}{1}$	8
2	Kessentini, M., Vaucher, S., and Sahraoui, H., <i>Deviance from perfection is a better criterion than closeness to evil when identifying risky code</i> , Proceedings of the IEEE/ACM international Conference on Automated Software Engineering (Antwerp, Belgium, September 20 – 24, 2010). ASE '10. ACM, New York (citation at pp. 117)	Conferință	A	Automated Software Engineering Conference (ASE)	$\frac{8}{1}$	8
3	Kessentini, W.; Kessentini, M.; Sahraoui, H.; Bechikh, S.; Ouni, A., "A Cooperative Parallel Search-Based Software Engineering Approach for Code-Smells Detection," Software Engineering, IEEE Transactions on , vol.40, no.9, pp.841,861, Sept. 1 2014, doi: 10.1109/TSE.2014.2331057	Jurnal	A	IEEE Transactions on Software Engineering	$\frac{8}{1}$	8
4	Kecia A. M. Ferreira, Mariza A. S. Bigonha, Roberto S. Bigonha, Heitor C. Almeida, Roberta Coeli das Neves, <i>Metrica de Coesao de Responsabilidade - A Utilidade de Metrica de Coesao na Identificacao de Classes com Problemas Estruturais</i> , SBQS 2011, X SIMPÓSIO BRASILEIRO DE QUALIDADE DE SOFTWARE, 2011	Conferință	D	Brasilian simposium on software quality (indexed GoogleScholar)	$\frac{1}{1}$	1
5	Heliomar Kann da Rocha Santos, <i>RUMO AO REJUVENESCIMENTO AUTOMÁTICO DE SOFTWARE GUIADO POR ATRIBUTOS DE QUALIDADE</i> , Dissertação apresentada ao Programa de PósGraduação em Computação da Universidade Federal Fluminense, 2011	Teză disertație	D		$\frac{1}{1}$	1
Czibula, G., Czibula, I.G., Cojocar, G.S, Guran, A., <i>IMASC – An Intelligent MultiAgent System for Clinical Decision Support</i> , International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems – Medical Applications of the Complex Systems Biomedical Computing CANS' 2008, Targu Mures, IEEE Society Press, 2008, pp. 183-188						13
1	Madhavi Pradhan and G.R. Bamnote, <i>Predictive Modeling of clinical data using soft computing –Diabetes a Case Study</i> , International Journal of Computer and Communications Vol. 1, No. 1, March 2011, pp. 31-37 (citation at pp. 34)	Jurnal	C	International Journal of Computers, Communications and Control (ISSN 18419836)	$\frac{2}{2}$	1
2	Rizwan Muhammad Saleem, Aslam Muhammad, A.M. Martinez-Enriquez, <i>Remote Patient Monitoring and Healthcare Management Using Multi-agent Based Architecture</i> , Mexican International Conference on Artificial Intelligence, pp. 118-123, Ninth Mexican International Conference on Artificial Intelligence, 2010 (citation at pp. 2)	Conferință	B	Ninth Mexican International Conference on Artificial Intelligence – Springer LNAI	$\frac{4}{2}$	2
3	Acharya, S.; Dutta, A., "Coordination ontology for multi agent based distributed decision making," 2012 2 nd IEEE International Conference on Parallel Distributed and Grid Computing (PDGC), , vol., no., pp.508,514, 6-8 Dec. 2012	Conferință	D	PDGC (indexată IEEE)	$\frac{1}{2}$	0.5
4	Bouzuenda, Lotfi, Turki, Manel, <i>Designing an Architectural Style for Dynamic Medical Cross-Organizational Workflow Management System: An Approach Based on Agents and Web Services</i> , Journal of Medical Systems, http://dx.doi.org/10.1007/s10916-014-0032-2 , Springer US, March 2014	Jurnal	D	Indexat ISI	$\frac{1}{2}$	0.5

5	Flávio Luiz Seixas, Bianca Zadrozny, Jerson Laks, Aura Conci, Débora Christina Muchaluat Saade, A Bayesian network decision model for supporting the diagnosis of dementia, Alzheimer's disease and mild cognitive impairment, Computers in Biology and Medicine, Volume 51, 1 August 2014, Pages 140-158	Jurnal	D	Indexat ISI	$\frac{1}{2}$	0.5
6	Iantovics, B., Cognitive Medical Multiagent Systems, BRAIN. Broad Research in Artificial Intelligence and Neuroscience, Volume 1, Issue 1, January 2010, ISSN 2067-3957pp. 12-21 (citation at pp. 14)	Jurnal	D	Indexat EBSCO	$\frac{1}{2}$	0.5
7	Khan, A., Chen, H., Huszka, C. 2011. <i>Semantic Policy-based Access Control Framework for Patient Medical Information</i> , ACM Transactions on Embedded Computing Systems, Vol. 9, No.4, Article 39, 2011	Jurnal	B	ACM Transactions on Embedded Computing Systems	$\frac{4}{2}$	2
8	Flávio Luiz Seixas, Bianca Zadrozny, Jerson Laks, Aura Conci, Débora Christina Muchaluat-Saade: <i>A Bayesian network decision model for supporting the diagnosis of dementia, Alzheimer's disease and mild cognitive impairment</i> . Comp. in Bio. And Med. 51: 140-158 (2014)	Jurnal	B	Comput. Biol. Med	$\frac{4}{2}$	2
9	Lotfi Bouzguenda, Manel Turki, <i>Designing an Architectural Style for Dynamic Medical Cross-Organizational Workflow Management System: An Approach Based on Agents and Web Services</i> , Journal of Medical Systems 04/2014; 38(4):32	Jurnal	B	Journal of Medical systems	$\frac{4}{2}$	2
10	Dutta, Animesh and Acharya, Sudipta and Krishna, Aneesh and Bhattacharya, Swapan. 2013. <i>Virtual Medical Board: A distributed Bayesian agent based approach</i> , in The 25 th International Conference on Software Engineering and Knowledge Engineering (SEKE), Jun 27-29 2013, pp. 685-689. Boston, USA: Knowledge Systems Institute.	Conferință	B	International Conference on Software Engineering and Knowledge Engineering	$\frac{4}{2}$	2
Czibula, I.G., Serban, G., Hierarchical clustering based design patterns Identification, International Journal of Computers, Communications and Control, Vol. 3, Proceedings of the International Conference on Computers, Communications and Control, ICCCC 2008, Oradea, 2008, pp. 248-252						14
1	D. Antonelli, P. Chiabert, <i>Introducing Collaborative Practices in Small Medium Enterprises</i> , Int. J. of Computers, Communications & Control, Vol. V (2010), No. 1, pp. 8-19 (citation at pp. 16)	Jurnal	C	International Journal of Computers, Communications and Control (ISSN 18419836)	$\frac{2}{1}$	2
2	Anshu Parashar and Jitender Kumar Chhabra, <i>Clustering Dynamic Class Coupling Data to Measure Class Reusability Pattern</i> , HIGH PERFORMANCE ARCHITECTURE AND GRID COMPUTING Communications in Computer and Information Science, Springer, 2011, Volume 169, Part 1, 126-130	Conferință	D	International Conference, HPAGC 2011, Chandigarh, India (indexată Springer)	$\frac{1}{1}$	1
3	Dario Antonelli, Caterina Petrigni, <i>Investigation into the actual application of the diagnostic and therapeutic guidelines for colon cancer</i> , Italian Journal of Public Health, Vol. 8, No.4, 2011, pp. 310-317 (citation at pp. 313)	Jurnal	D	Italian Journal of Public Health (indexat SCOPUS)	$\frac{1}{1}$	1
4	Jitender Kumar Chhabra and Anshu Parashar, <i>Clustering Dynamic Class Coupling Data Using K-Mean And Cosine Similarity Measure To Predict Class Reusability Pattern</i> , 5 th IEEE International Conference On Advanced Computing & Communication Technologies [ICACCT-2011] ISBN 81-87885-03-3, Pp. 280-285 (citation at Pp. 281)	Conferință	D	IEEE International Conference On Advanced Computing & Communication Technologies (indexată IEEE)	$\frac{1}{1}$	1

5	ANTONIO ADÁN, MIGUEL ADÁN, CONSENSUS STRATEGY FOR CLUSTERING USING RC-IMAGES, PATTERN RECOGNITION, VOLUME 47, ISSUE 1, JANUARY 2014, PAGES 402–417	Jurnal	A	Pattern Recognition	$\frac{8}{1}$	8
6	Shouzheng Yang; Manzer, A.; Tzerpos, V., “Measuring the quality of design pattern detection results,” <i>Software Analysis, Evolution and Reengineering (SANER), 2015 IEEE 22nd International Conference on</i> , vol., no., pp.53,62, 2-6 March 2015	Conferință	D	<i>Software Analysis, Evolution and Reengineering (SANER), 2015 IEEE 22nd International Conference on (Indexată IEEE)</i>	$\frac{1}{1}$	1
7	Haneen Dabain, Ayesha Manzer, and Vassilios Tzerpos. 2015. Design pattern detection using FINDER. In Proceedings of the 30th Annual ACM Symposium on Applied Computing (SAC '15). ACM, New York, NY, USA, 1586-1593.	Conferință	D	Annual ACM Symposium on Applied Computing (SAC (indexată ACM)	$\frac{1}{1}$	1
Czibula, G., Czibula, I.G., Găceanu, R.D., <i>Intelligent Data Structures Selection using Neural Networks</i>, Knowledge and Information Systems, Volume 34, Issue 1, 2013, Page 171-192						28
1	Sung-Kwun Oh, Ho-Sung Park, Wook-Dong Kim, Witold Pedrycz, <i>A new approach to radial basis function-based polynomial neural networks: analysis and design</i> , Knowledge and Information Systems, September 2012, pp. 1-31 doi= 10.1007/s10115-012-0551-4	Jurnal	A	Knowledge and Information Systems (ISSN 02191377)	$\frac{8}{1}$	8
2	Ninawe, Swapnil S.; Venkataram, Pallapa, “A Method of designing an Access Mechanism for Social Networks,” <i>2013 National Conference on Communications (NCC)</i> , vol., no., pp.1,5, 15-17 Feb. 2013 doi: 10.1109/NCC.2013.6488048	conferință	C	National Conference on Communications (NCC)	$\frac{2}{1}$	2
3	Lin Wang, Bo Yang, Yuehui Chen, Zhenxiang Chen, Hongwei Sun, <i>Accelerating FCM neural network classifier using graphics processing units with CUDA</i> , Applied Intelligence, January 2014, Volume 40, Issue 1, pp 143-153	Jurnal	B	Applied Intelligence	$\frac{4}{1}$	4
4	Lin Wang; Bo Yang; Abraham, A., “Prediction of Concrete Strength Using Floating Centroids Method,” <i>Systems, Man, and Cybernetics (SMC), 2013 IEEE International Conference on</i> , vol., no., pp.988,992, 13-16 Oct. 2013	Conferință	B	IEEE International Conference on Systems, Man, and Cybernetics (SMC)	$\frac{4}{1}$	4
5	Guoqiang Li, Peifeng Niu, <i>Combustion optimization of a coal-fired boiler with double linear fast learning network</i> , Soft Computing, October 2014, DOI 10.1007/s00500-014-1486-3	Jurnal	A	Soft computing	$\frac{8}{1}$	8
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3	Kumudha, P, Venkatesan, R., Engimuri, P. G. Radhika, <i>Product Metrics Based Predictive Classification of Software Using RAR Mining and Naive Bayes Approach</i> , International Journal of Applied Engineering Research. 2015, Vol. 10 Issue 7, p17375-17391. 17p.	jurnal	D	International Journal of Applied Engineering Research (indexed Scopus)	$\frac{1}{1}$	1
4	Mir Md. Jahangir Kabir , Shuxiang Xu, Byeong Ho Kang, Zongyuan Zhao, <i>A New Evolutionary Algorithm for Extracting a Reduced Set of Interesting Association Rules</i> , Chapter Neural Information Processing, Volume 9490 of the series Lecture Notes in Computer	jurnal	C	LNCS	$\frac{2}{1}$	2

	Science pp 133-142, 10 November 2015					
Czibula, G., Bocicor, M.I., Czibula, I.G., Solving the Protein Folding Problem Using a Distributed Q-Learning Approach, International Journal of Computers, Volume 5, Issue 3, 2011, pp. 404-413						31
1	Ionel Muscalagiu, Horia Emil Popa, Manuela Panoiu, Viorel Negru, <i>Multi-agent Systems Applied in the Modelling and Simulation of the Protein Folding Problem Using Distributed Constraints</i> , Multiagent System Technologies, Lecture Notes in Computer Science Volume 8076, 2013, pp 346-360	Jurnal	C	LNCS	$\frac{2}{1}$	2
2	F. Campeotto, A. Dovier, and E. Pontelli, <i>Protein Structure Prediction on GPU: a Declarative Approach in a Multi-agent Framework</i> , International Conference on Parallel Processingm, ICPP conference (IEEE) http://icpp2013.ens-lyon.fr/ Lyon (FR), October 2013	Conferință	A	International Conference on Parallel Processingm, ICPP	$\frac{8}{1}$	8
3	Manuel Rodriguez-Pascual, Rafael Ma Mayo-García, Ignacio M. Llorente, <i>MONTERA: A FRAMEWORK FOR EFFICIENT EXECUTION OF MONTE CARLO CODES ON GRID INFRASTRUCTURES</i> , COMPUTING AND INFORMATICS, VOL 32, NO 1 (2013), pp. 113-144	Jurnal	C	Computing and Informatics	$\frac{2}{1}$	2
4	BF Gauna, <i>Modular Multi-Agent Reinforcement Learning of Linked Multi-Component Robotic Systems</i> , PhD Thesis, 2012, The University of the Basque	Teză de doctorat	D		$\frac{1}{1}$	1
6	B Fernandez-Gauna, M Graña, <i>Distributed Round-Robin Q-Learning</i> , Universidad de Pais-Vasco, Technical Report, 2012	Raport tehnic	D		$\frac{1}{1}$	1
7	B Fernandez-Gauna, Etxeberria-Agiriano, <i>Improved Distributed Round-Robin Q-Learning for Linked Multicomponent Robotic System control</i> , Universidad de Pais-Vasco, Technical Report, 2012	Raport tehnic	D		$\frac{1}{1}$	1
8	Berat Doğan, Tamer Ölmez, <i>A novel state space representation for the solution of 2D-HP protein folding problem using reinforcement learning methods</i> , Applied Soft Computing, Available online 16 October 2014, ISSN 1568-4946, http://dx.doi.org/10.1016/j.asoc.2014.09.047 .	Jurnal	A	Applied Soft computing	$\frac{8}{1}$	8
9	Fernandez-Gauna B, Etxeberria-Agiriano I, Graña M (2015) <i>Learning Multirobot Hose Transportation and Deployment by Distributed Round-Robin Q-Learning</i> . PloS ONE 10(7): e0127129. doi:10.1371/journal.pone.0127129	Jurnal	A	Plos One	$\frac{8}{1}$	8
Zsuzsanna Marian, Gabriela Czibula, Istvan Gergely Czibula, Using Software Metrics for Automatic Software Design Improvement, Studies in Informatics and Control, ISSN 1220-1766, vol. 21 (3), pp. 249-258, 2012						2
1	D. Bocu, R. Bocu, <i>Remarks on Interface Oriented Software Systems Modelling</i> , INT J COMPUT COMMUN, ISSN 1841-9836 8(5):662-672, October, 2013.	Jurnal	C	International Journal of Computers, Communication and Control	$\frac{2}{1}$	2
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1	MARIAN, ZSUZSANNA, <i>A STUDY ON ASSOCIATION RULE MINING BASED SOFTWARE DESIGN DEFECT DETECTION</i> , Studia Universitatis Babes-Bolyai, Informatica . Mar2013, Vol. 58 Issue 1, p42-57	Jurnal	D	Studia Universitatis Babes-Bolyai, Informatica (indexată Mathematical Reviews)	$\frac{1}{1}$	1

2	Bocicor, Maria Iuliana, A STUDY ON USING ASSOCIATION RULES FOR PREDICTING PROMOTER SEQUENCES, Studia Universitatis Babes-Bolyai, Informatica . Jun2012, Vol. 57 Issue 2, p32-42	Jurnal	D	Studia Universitatis Babes-Bolyai, Informatica (indexată Mathematical Reviews)	$\frac{1}{1}$	1
3	Gabriela Czibula, Vlad-Sebastian Ionescu, Diana-Lucia Miholca, Ioan-Gabriel Mircea, Machine learning based approaches for predicting stature of archaeological skeletal remains from long bone lengths, Journal of Archaeological Science, vol. 65, pp. 85-99, 2016	Jurnal	A	Journal of Archaeological Science	$\frac{8}{1}$	8
Czibula, G., Bocicor, M. I., Czibula, I.G., Promoter Sequences Prediction Using Relational Association Rule Mining, Evolutionary Bioinformatics, Vol. 8, 2012, pp. 181-196						4
1	G. Karli, PROMOTER PREDICTION USING IREM (INDUCTIVE RULE EXTRACTION METHOD), International Journal of Engineering Research and Science & Technology, Vol. 3, No. 1, pp. 63-70, 2014	Jurnal	D	International Journal of Engineering Research and Science & Technology (indexed Index Copernicus)	$\frac{1}{1}$	1
2	Günay Karl, Şenol Doğan, Adem Karadağ, Computational Approach for Promoter Identification with data Mining Techniques, IOSR Journal of Engineering (IOSRJEN) Vol. 04, Issue 01 (January. 2014), PP 31-41, 2014	Jurnal	D	IOSR Journal of Engineering (IOSRJEN) – indexed Index Copernicus	$\frac{1}{1}$	1
3	Tannu Kumari and Kamal Raj Pardasani. 2015. Mining amino acid association patterns in class B GPCRs. Int. J. Bioinformatics Res. Appl. 11, 3 (May 2015), 219-232.	Jurnal	C	. Int. J. Bioinformatics Res. Appl	$\frac{2}{1}$	2
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1	McFadden, R.R.; Mitropoulos, F.J., Survey and analysis of quality measures used in aspect mining, Southeastcon, 2013 Proceedings of IEEE , vol., no., pp.1,8, 4-7 April 2013	Conferință	D	Proceedings of IEEE – indexed ISI	$\frac{1}{1}$	1
2	David G. Bethelmy, Aspect Mining Using Multiobjective Genetic Clustering Algorithms, Doctoral dissertation, Nova Southeastern University, 2016. Retrieved from NSUWorks, College of Engineering and Computing. (952)	Teza doctorat	D		$\frac{1}{1}$	1
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1	Ko-Wei Huang, Jui-Le Chen, Chu-Sing Yang, Chun-Wei Tsai, A memetic particle swarm optimization algorithm for solving the DNA fragment assembly problem, Neural Computing and Applications, July 2014, DOI 10.1007/s00521-014-1659-0	Jurnal	C	Neural computing and applications	$\frac{2}{1}$	2
2	Berat Doğan, Tamer Ölmez, A novel state space representation for the solution of 2D-HP protein folding problem using reinforcement learning methods, Applied Soft Computing, Available online 16 October 2014, ISSN 1568-4946, http://dx.doi.org/10.1016/j.asoc.2014.09.047 . (ISI)	Jurnal	A	Applied Soft Computing	$\frac{8}{1}$	8
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Czibula, G., Bocicor, M.I., Czibula, I.G. , <i>An Experiment on Protein Structure Prediction using Reinforcement Learning</i> , Studia Babes-Bolyai Informatica, LVI (1), 2011, pp. 25-34						8
1	Berat Doğan, Tamer Ölmez, A novel state space representation for the solution of 2D-HP protein folding problem using reinforcement learning methods, Applied Soft Computing, Available online 16 October 2014, ISSN 1568-4946, http://dx.doi.org/10.1016/j.asoc.2014.09.047 . (ISI)	Jurnal	A	Applied Soft Computing	$\frac{8}{1}$	8
Gabriela Czibula, Zsuzsanna Marian, Istvan Gergely Czibula , <i>Software Defect Prediction using Relational Association Rule Mining</i> , Information Sciences, Vol. 264, April 2014, pp. 260-278						55
1	Ezgi Erturk, Ebru Akcapinar Sezer, <i>A Comparison of Some Soft Computing Methods for Software Fault Prediction</i> , Expert Systems with Applications, Available online 23 October 2014, ISSN 0957-4174, http://dx.doi.org/10.1016/j.eswa.2014.10.025 . (http://www.sciencedirect.com/science/article/pii/S0957417414006496)	Jurnal	A	Expert Systems with Applications	$\frac{8}{1}$	8
2	K.R.Sekar, S.Devasena, K.S.Ravichandran, and J Sethuraman, <i>WS COMPONENT SELECTION BY IMPROVISED HIGH HIT RATIO USING SIMPLE JACCARD COSINE DISTANCES WITH MODI'S COST EFFECTIVENESS</i> , ARPN Journal of Engineering and Applied Sciences, Vol. 9, No. 10, 2014	Jurnal	D	ARPN Journal of Engineering and Applied Sciences (indexed Scopus)	$\frac{1}{1}$	1
3	Ezgi Erturk, Ebru A. Sezer, <i>Software Fault Inference Based on Expert Opinion</i> , Journal of Software, vol. 10, no. 6, 2015, pp. 757-766	jurnal	D	Journal of software (indexed Inspec)	$\frac{1}{1}$	1
4	Kumudha, P, Venkatesan, R., Engimuri, P. G. Radhika, <i>Product Metrics Based Predictive Classification of Software Using RAR Mining and Naive Bayes Approach</i> , International Journal of Applied Engineering Research. 2015, Vol. 10 Issue 7, p17375-17391. 17p.	jurnal	D	International Journal of Applied Engineering Research (indexed Scopus)	$\frac{1}{1}$	1
5	Nguyen, Giang, Le, Tuong, Vo, Bay, Le, Bac, EIFDD: An efficient approach for erasable itemset mining of very dense datasets, J Applied Intelligence, , Springer US, 8 2015-01-15	Jurnal	B	Applied Intelligence	$\frac{4}{1}$	4
6	Fedja Hadzic, Michael Hecker, Andrea Tagarelli, <i>Ordered subtree mining via transactional mapping using a structure-preserving tree database schema</i> , Information Sciences, volume 310, 2015, pp. 97 – 117	Jurnal	A	Information Sciences	$\frac{8}{1}$	8
7	Liuqian Jin, Jun Liu, Yang Xu, Xin Fang, <i>A novel rule base representation and its inference method using the evidential reasoning approach</i> , Knowledge-Based Systems, Available online 2 July 2015, ISSN 0950-7051, http://dx.doi.org/10.1016/j.knosys.2015.06.018	jurnal	A	Knowledge based systems	$\frac{8}{1}$	8
8	Cong Jin, Shu-Wei Jin, <i>Prediction approach of software fault-proneness based on hybrid artificial neural network and quantum particle swarm optimization</i> , Applied Soft Computing, Available online 18 July 2015, ISSN 1568-4946,	jurnal	A	Applied Soft Computing	$\frac{8}{1}$	8
9	Mehrdad Almasi, Mohammad Sanieeee Abadeh, <i>Mine Rare and Non-Redundant Quantitative Association Rules</i> , Knowledge-Based Systems, Available online 22 July 2015, volume 89, issue , year 2015, pp. 366 – 384, ISSN 0950-7051, http://dx.doi.org/10.1016/j.knosys.2015.07.016 .	Jurnal	A	Knowledge based systems	$\frac{8}{1}$	8

10	Alenezi, Mamdouh; Abunadi, Ibrahim, Evaluating Software Metrics as Predictors of Software Vulnerabilities, INTERNATIONAL JOURNAL OF SECURITY AND ITS APPLICATIONS Volume: 9 Issue: 10 Pages: 231-239 , 2015	Jurnal	C	INTERNATIONAL JOURNAL OF SECURITY AND ITS APPLICATIONS	$\frac{2}{1}$	2
11	Tomar, Divya; Agarwal, Sonali, Prediction of Defective Software Modules Using Class Imbalance Learning, APPLIED COMPUTATIONAL INTELLIGENCE AND SOFT COMPUTING Article Number: 7658207 Published: 2016	Jurnal	D	APPLIED COMPUTATIONAL INTELLIGENCE AND SOFT COMPUTING	$\frac{1}{1}$	1
12	Yasir Javed, Mamdouh Alenezi, Defectiveness Evolution in Open Source Software Systems, Procedia Computer Science, Volume 82, 2016, Pages 107-114, ISSN 1877-0509	Jurnal	D	Procedia Computer Science (indexat Scopus)	$\frac{1}{1}$	1
13	Liu, Wangshu; Liu, Shulong; Gu, Qing; et al., Empirical Studies of a Two-Stage Data Preprocessing Approach for Software Fault Prediction, IEEE TRANSACTIONS ON RELIABILITY Volume: 65 Issue: 1 Pages: 38-53 Published: MAR 2016	Jurnal	B	IEEE TRANSACTIONS ON RELIABILITY	$\frac{4}{1}$	4
Lazăr, I., Pârv, B., Motogna S., Czibula, I.G. , Lazăr, L., <i>iCOMPONENT: A Platform-Independent Component Model for Dynamic Execution Environments</i> , SYNASC 2008, The 10 th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timișoara, 2008, pp. 257-264						0.33
1	Saulo Eduardo Galileo Souza dos Santos, Tarcísio da Rocha, and Felipe Oliveira Carvalho. 2014. HighFrame: An integrated solution for developing component-based distributed systems. In Proceedings of the 7 th Euro American Conference on Telematics and Information Systems (EATIS '14). ACM, New York, NY, USA, , Article 15 , 6 pages.	Conferință	D	The 7 th Euro American Conference on Telematics and Information Systems (indexată ACM)	$\frac{1}{3}$	0.33
Czibula, G., Czibula, I.G. , Găceanu, R.D., <i>A Support Vector Machine Model For Intelligent Selection of Data Representations</i> , Applied Soft Computing, Volume 18, May 2014, Pages 70–81						5
1	Jian Hua Cao, Fault Diagnosis for Electrical Control System of Automobile Based on Support Vector Machine, Applied Mechanics and Materials (Volume 666), 2014, pp. 203-207	Jurnal	D	Applied Mechanics and Materials	$\frac{1}{1}$	1
2	Philippe Lauret, Cyril Voyant, Ted Soubdhan, Mathieu David, Philippe Poggi, A benchmarking of machine learning techniques for solar radiation forecasting in an insular context, Solar Energy, Volume 112, February 2015, Pages 446-457, ISSN 0038-092X, http://dx.doi.org/10.1016/j.solener.2014.12.014	Jurnal	B	Solar Energy	$\frac{4}{1}$	4
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1	Soliman et al, Patterns Mining from Java Source Code, Int.J. of Software Engineering, IJSE Vol.4 No.2 July 2011, pp. 19-40	Jurnal	D	Int.J. of Software Engineering (indexat Google Scholar)	$\frac{1}{1}$	1
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1	Jehad Al Dallal, Identifying Refactoring Opportunities in Object-Oriented Code: A Systematic Literature Review, Information and Software Technology, 58(2015), pp. 231-249	Jurnal	A	Information and Software Technology	$\frac{8}{1}$	8
2	AMAL ABD EL-RAOUF, <i>Hierarchical Clustering of Distributed Object-Oriented Software Systems: A Generic Solution for Software-Hardware Mismatch</i> , Wseas Transactions on Computers, Issue 11, Volume 8, November 2009, pp. 1780-1789 (citation at pp. 1782)	Jurnal	D	Wseas Transactions on Computers	$\frac{1}{1}$	1
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1	Guilherme Oliveira Chagas, Sanderson L. Gonzaga de Oliveira, <i>Metaheuristic-based Heuristics for Symmetric-matrix Bandwidth Reduction: A Systematic Review</i> , Procedia Computer Science, Volume 51, 2015, Pages 211-220	jurnal	D	Procedia Computer Science (indexed Inspec)	$\frac{1}{2}$	0.5	
Czibula, G., Guran, A., Czibula, I.G., Cojocar, G.S., <i>IPA - An Intelligent Personal Assistant Agent For Task Performance Support</i> , ICCP 2009: Proceedings of the IEEE 5th International Conference on Intelligent Computer Communication and Processing, 2009, Cluj-Napoca, Romania, pp. 31-34						3	
1	Piedad, Francisco J. Martinez, and Christian Guetl, <i>Adding Semantic Web Knowledge to Intelligent Personal Assistant Agents</i> , University of Zaragoza, Spain, pp. 1-12,	Raport tehnic	D		$\frac{1}{2}$	0.5	
2	Chein-Shung Hwang and Rwei-Siang Fong, <i>A Hybrid Recommender System based on Collaborative Filtering and Cloud Model</i> , World Academy of Science, Engineering and Technology 75, 2011, pp. 500-505	jurnal	D	Engineering and Technology (indexed ACM)	$\frac{1}{2}$	0.5	
3	J Santos, JJPC Rodrigues, BMC Silva, J Casal, <i>An IoT-based Mobile Gateway for Intelligent Personal Assistants on Mobile Health Environments</i> , Journal of Network and Computer applications, 2016, published online	Jurnal	B	Journal of Network and Computer applications	$\frac{4}{2}$	2	
Bocicor, M. I., Czibula, G., Czibula, I.G. , <i>A Distributed Q-Learning Approach to Fragment Assembly</i> , SIC Journal, Studies in Informatics and Control, Vol. 20, Issue. 3, 2011, pp. 221-232						8	
1	Fernandez-Gauna B, Etxeberria-Agiriano I, Graña M (2015) Learning Multirobot Hose Transportation and Deployment by Distributed Round-Robin Q-Learning. PloS ONE 10(7): e0127129. doi:10.1371/journal.pone.0127129	jurnal	A	PlosOne	$\frac{8}{1}$	8	
Gabriela Czibula, Zsuzsanna Marian, Istvan Gergely Czibula , <i>Detecting Software Design Defects Using Relational Association Rule Mining</i> , Knowledge and Information Systems, Vol. 42, Number 3, 2015, pp. 545-577						4	
1	H. He, T. Yin, J. Dong, P. Zhang, J. Ren, Efficient mining of high utility software behavior patterns from software executing traces, International Journal of Innovative Computing, Information and Control, 11(5), 2015, pp. 1779-1793	jurnal	B	International Journal of Innovative Computing, Information and Control	$\frac{4}{1}$	4	
Motogna S., Pârv, B., Lazăr, I., Czibula, I.G. , Lazăr, L., <i>Extending OCL-based Action Language for Executable UML Components</i> , Studia Universitatis "Babes-Bolyai", Informatica, LIII(2), 2008, pp. 15-26						1.33	
1	Federico Ciccozzi, Dethroning Programming Languages as Endorsed Means for Fine-grained UML Behaviour Modelling in Open Source MDE, Workshop on Open Source Software for Model Driven Engineering (OSS4MDE, workshop MODELS'15), 2015, Canada	workshop conferință	B	OSS4MDE, workshop MODELS'15	$\frac{4}{3}$	1.33	
						C =	382.95
						Punctaj citări în forumuri A+ B =	275.33

d) Performanța academică

Nr. crt	Criteriu	Categoria/ Formula calcul		Punctaj
i). Cărți autor/editate și capitole publicate în edituri de categoria (conform clasamentului SENSE):				2
1	Czibula, I., G. , <i>Use of search techniques to software development</i> , Editura Risoprint, ISBN 978-973-53-0119-4, 2009 (248 pagini) – în limba engleză	D	$\frac{2}{1}$	2
iii). Publicarea unui curs universitar în format electronic				16

1	Capitolul "Algoritmica și Programare" (subcapitolele 1.1 și 1.2) din manualele de informatică și matematică informatică română pentru licență 2012, 2013 Fac. De Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca http://www.cs.ubbcluj.ro/wp-content/uploads/Manual_Informatica_2013_RO.pdf	2	2	
2	Capitolul "Algoritmica și programare" (subcapitolele 1.1 și 1.2) din manualul de informatică engleză pentru licență 2013 Fac. De Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca http://www.cs.ubbcluj.ro/wp-content/uploads/Manual_Informatica_2013_EN.pdf	2	2	
3	Curs "Fundamentele Programării" destinat studenților anului I Informatică engleză Fac. De Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca http://www.cs.ubbcluj.ro/~istvanc/cursuri/FP_Course.pdf , 2014	2	2	
4	Curs "Programare Orientată Obiect" destinat studenților anului I Informatică română Fac. De Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca http://www.cs.ubbcluj.ro/~istvanc/cursuri/Curs_POO.pdf , 2013	2	2	
5	Curs "Programare Orientată Obiect" destinat studenților anului I Informatică engleză Fac. De Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca http://www.cs.ubbcluj.ro/~istvanc/cursuri/OOP_Course.pdf , 2014	2	2	
6	Curs "Fundamentele Programării" destinat studenților anului I Informatică română Fac. De Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca http://www.cs.ubbcluj.ro/~istvanc/cursuri/Curs_FP.pdf , 2015	2	2	
7	Curs "Computational Intelligence techniques in Software Engineering" destinat studenților anului II master "Inteligență Computațională Aplicată" și "Inginerie Software", Fac. De Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca http://www.cs.ubbcluj.ro/~istvanc/cursuri/CISE_Course.pdf , 2015	2	2	
8	Capitolul "Programare orientată obiect" (subcapitolul 1.4) din manualul de informatică engleză pentru licență 2015 Fac. De Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca http://www.cs.ubbcluj.ro/wp-content/uploads/Manual_Informatica_2016_EN.pdf	2	2	
v). Director (coordonator/responsabil) membru al unui grant/proiect/contract/program de cercetare național/internațional			23	
1	<i>Folosirea tehnicilor de cautare în dezvoltarea de soft</i> , TD_411/2008, Proiect PNCDI II – Resurse Umane, 2008-2009, 39.690 RON (aprox. 11.000 Euro) http://www.cs.ubbcluj.ro/~istvanc/granttd112008 Director	D	2	2
2	<i>Un cadru conceptual pentru definirea validarea și compunerea componentelor software</i> , Proiect PNCDI II – Proiecte de cercetare exploratorie, Id: 546, 2007-2010, 905.159 RON (aprox. 277.426 Euro) Director: Prof. Univ. Dr. Bazil Pârv Membru	A	4	4
3	<i>Sistem decizional bazat pe tehnici de tip multi-agent pentru generarea, optimizarea și managementul registrelor naționale de boli cronice netransmisibile-CRONIS</i> , Nr. 11-003/2007, Proiect PNCDI II – 4 (Parteneriate în domenii prioritare), 2007-2010, 1.440.663 RON (aprox. 320.000 Euro) http://www.automation.ro/cronis/parteneriat.php Director: Ioan Stoian – SC IPA SA sucursala Cluj Membru - partener UBB	A	4	4
4	<i>Cercetări în direcția optimizării adaptive a sistemelor informatice folosind tehnici de învățare automată și sisteme multiagent</i> , Proiect PNCDI II – Proiecte de cercetare exploratorie, Cod CNCISIS ID_2286/2008, 2008-2011, 812.774 RON (aprox. 176.000 Euro) Director: Prof. Univ. Dr. Gabriela Czibula Membru	B	3	3
5	<i>ÎNVĂȚARE AUTOMATĂ ÎN PROBLEME PRIVIND EVOLUȚIA ȘI ÎNTREȚINEREA SISTEMELOR INFORMATICE</i> , Proiect PN-II-RU-TE-2014-4-0082 (Tinere echipe de cercetare), 2015-2017, 549792 RON (aprox. 122.000 Euro) http://www.cs.ubbcluj.ro/~istvanc/amel Director	B	6	6
6	<i>NATURAL SENSE OF VISION THROUGH ACOUSTICS AND HAPTICS</i> , Proiect H2020, Project reference: 643636, 2015-	A	4	4

	2018, Total cost: EUR 3960709 http://cordis.europa.eu/project/rcn/194085_en.html Membru - partener Info World SRL			
vii). Organizare evenimente științifice/școli de vară				5
1	Școala de vară EUROLAN 2011 – Universitatea Alexandru Ioan Cuza, Iași prof. Univ. Dr. Dan Cristea Membru comitet local de organizare	1		1
2	Workshop LRTA 2011 în cadrul Școlii de vară EUROLAN 2011 – Universitatea Alexandru Ioan Cuza, Iași prof. Univ. Dr. Dan Cristea Membru comitet local de organizare	1		1
3	Conferința internațională Knowledge Engineering Principles and Techniques 2011 Secretar comisie Software Engineering	1		1
4	Sesiunea de Comunicări Științifice a Studenților, Universitatea Babeș-Bolyai Cluj-Napoca, Universitatea Tehnică Cluj-Napoca, 2011 Membru juriu	1		1
5	Sesiunea de Comunicări Științifice a Studenților, Universitatea Babeș-Bolyai Cluj-Napoca, Universitatea Tehnică Cluj-Napoca, 2015 Membru juriu	1		1
ix) Profesor/researcher asociat/visiting la o iversitate din top 1000				2
1	Visting researcher Wayne State Universty, June 2008, (1 month) – contact assoc. Prof. Andrian Marcus (world rank 351-400)	C	2 × 1	2
x). Consolidarea de echipe de cercetare dovedită prin publicații, participări în proiecte				44.6
1	Consolidare echipă de cercetare în "Inginerie software bazată pe căutare" (Czibula Istvan , Cojocar Grigoreta, Guran Adriana, Czibula (Șerban) Gabriela.– perioada iulie 2008- octombrie 2009) – http://www.cs.ubbcluj.ro/~istvanc/granttd112008 Director proiect : <i>Folosirea tehnicilor de cautare in dezvoltarea de soft</i> Publicații : a se vedea Anexa 1	4 × 1.4		5.6
2	Consolidare echipă de cercetare în "Inginerie software" (Bazil Pârv, Czibula Istvan , Lazăr Ioan, Simona Motogna, Lucian Lazăr.– perioada 2007- 2010) – http://www.cs.ubbcluj.ro/~bparv Membru proiect : <i>Un cadru conceptual pentru definirea validarea si compunerea componentelor software</i> (director prof. Dr. Bazil Pârv) Publicații : a se vedea Anexa 3	5 × 3		15
3	Consolidare echipă de cercetare în "Inteligența computațională aplicată" (Czibula Istvan , Czibula Gabriela, Marian Zsuzsanna, Bocicor Iuliana) – perioada 2011 - 2014) Publicații : www.cs.ubbcluj.ro/~gabis/rai.html - a se vedea Anexa 4	4 × 3		12
4	Consolidare echipă de cercetare în "Aplicații ale învățării automate în ingineria software " (Czibula Istvan , Gabriela Czibula, Marian Zsuzsanna, Ioan-Gabriel Mircea, Diana-Lucia Miholca, Vlad-Sebastian Ionescu– perioada octombrie 2015- septembrie 2017) Director proiect <i>ÎNVĂȚARE AUTOMATĂ ÎN PROBLEME PRIVIND EVOLUȚIA ȘI ÎNTREȚINEREA SISTEMELOR INFORMATICE</i> , Proiect PN-II-RU-TE-2014-4-0082 www.cs.ubbcluj.ro/~istvanc/amel Publicații : a se vedea Anexa 2	6 × 2		12
xv). Premii și alte merite				6
1	Premiu pentru cea mai bună teză de doctorat suportată dintr-un grant TD, CNCSIS 2009			
2	6 Premii pentru articole ISI – CNCSIS 2008-2015			
3	Gradație de merit 2012-2016			
4	Premiul pentru activitatea didactică, 2014, Facultatea de Matematică și Informatică, UBB			

5	Premiul pentru cercetare științifică, 2015, Facultatea de Matematică și Informatică, UBB		
TOTAL perspectiva d)			98.6

Anexa 1

Lucrări publicate în perioada iulie 2008-octombrie 2009 în cadrul proiectului TD_411/2008, *Folosirea tehnicilor de cautare in dezvoltarea de soft*, **DIRECTOR PROIECT**- <http://www.cs.ubbcluj.ro/~istvanc/granttd112008> (Echipa de cercetare: **Czibula Istvan**, Cojocar Grigoreta, Guran Adriana, Czibula (Șerban) Gabriela)

1. **Czibula, I.G.**, Șerban, G., *Hierarchical clustering based design patterns Identification*, International Journal of Computers, Communications and Control, Vol. 3, Proceedings of the International Conference on Computers, Communications and Control, ICCCC 2008, Oradea, 2008, pp. 248-252
2. **Czibula, I.G.**, Czibula, G., *Refactorings Detection Using Hierarchical Clustering*, European Computing Conference, ECC'08, Malta, 2008, pp. 332-337
3. **Czibula, I.G.**, Șerban, G., *Identifying Design Patterns in Object-Oriented Software Systems Using Unsupervised Learning*, 2008 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics, AQTR 2008, pp. 347-352
4. **Czibula, I.G.**, Czibula, G., *Clustering based automatic refactorings identification*, SYNASC 2008, The 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timișoara, 2008, pp. 253-256
5. **Czibula, I.G.**, Czibula, G., Guran, A., *Dynamic customization of data structures instances using an agent based approach*, SYNASC 2009, The 11th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timișoara, 2009, IEEE Society Press, pp. 341-347
6. **Czibula, I.G.**, Czibula, G., *A partitional clustering algorithm for improving the structure of object-oriented software systems*, Studia Universitatis "Babes-Bolyai", Informatica, LIII(2), 2008, pp. 105-114
7. **Czibula, I.G.**, Czibula, G., Cojocar, G.S., *Hierarchical Clustering for Identifying Crosscutting Concerns in Object Oriented Software Systems*, INFOCOMP Journal of Computer Science, Volume 8, Number 3, Brazilia, 2009, pp. 21-28.
8. Czibula, G., Guran, A., Cojocar, G.S., **Czibula, I.G.**, *Multiagent Decision Support Systems based on Supervised Learning*, 2008 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics, AQTR 2008, pp. 353-358
9. Cojocar, G.S., Czibula, G., **Czibula, I.G.**, *A Comparative Analysis of Clustering Algorithms in Aspect Mining*, Studia Universitatis "Babes-Bolyai", Informatica, LIV(1), 2009, pp. 75-84
10. Czibula, G., Cojocar, G.S., **Czibula, I.G.**, *Identifying Crosscutting Concerns Using Partitional Clustering*, Wseas Transactions on Computers, Issue 2, Volume 8, 2009, pp. 386-395
11. Czibula, G., **Czibula, I.G.**, Cojocar, G.S., Guran, A., *Assisting Software Maintenance and Evolution Using an Agent Based Approach*, Post-proceedings of KEPT 2009, pp. 197-204

Anexa 2

Lucrări realizate în perioada 2015-2017 cadrul proiectului PN-II-RU-TE-2014-4-0082, Proiect ÎNVĂȚARE AUTOMATĂ ÎN PROBLEME PRIVIND EVOLUȚIA ȘI ÎNTREȚINEREA SISTEMELOR INFORMATICE - **DIRECTOR PROIECT** <http://www.cs.ubbcluj.ro/~istvanc/amel> (Echipa de cercetare: **Czibula Istvan**, Gabriela Czibula, Marian Zsuzsanna, Ioan-Gabriel Mircea, Diana-Lucia Miholca, Vlad-Sebastian Ionescu)

1. Gabriela Czibula, Zsuzsanna Marian, **Istvan Gergely Czibula**, *Detecting Software Design Defects Using Relational Association Rule Mining*, Knowledge and Information Systems, Vol. 42, Number 3, 2015, pp. 545-577 (**IF=2.225**)
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4. Diana-Lucia Miholca, Ioan-Gabriel Mircea, Gabriela Czibula, **Istvan Gergely Czibula**, *Novel data mining approaches for gender detection of human skeletal remains*, SYNASC 2016, submitted
5. Gabriela Czibula, **Istvan Gergely Czibula**, Adela Sirbu, Ioan-Gabriela Mircea, *A novel approach to adaptive relational association rule mining*, Applied Soft Computing journal, Vol. 36, November 2015, pp. 519-533, 2015
6. **Istvan Gergely Czibula**, Gabriela Czibula, Zsuzsanna Marian, Vlad-Sebastian Ionescu, *A Novel Approach Using Fuzzy Self-Organizing Maps for Detecting Software Faults*, Studies in Informatics and Control, 25(2), pp. 1-10, 2016
7. **Istvan Gergely Czibula**, Gabriela Czibula, Diana-Lucia Miholca, *A novel fuzzy relational association rule mining approach*, European Conference on Artificial Intelligence, 2016, submitted
8. Zsuzsanna Marian, **Istvan-Gergely Czibula**, Ioan-Gabriel Mircea and Gabriela Czibula, *A novel approach for software defect prediction using fuzzy decision trees*, SYNASC 2016, submitted

Anexa 3

Lucrări realizate în perioada 2007-2010 în cadrul proiectului ID_546/2007, Proiect Un cadru conceptual pentru definirea validarea si compunerea componentelor software – **MEMBRU PROIECT** <http://www.cs.ubbcluj.ro/~bparv> (Echipa de cercetare: Bazil Pârv, **Czibula Istvan**, Lazăr Ioan, Simona Motogna, Lucian Lazăr)

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2. Lazăr, I., Pârv, B., Motogna S., **Czibula, I.G.**, Lazăr, L., *iCOMPONENT: A Platform-Independent Component Model for Dynamic Execution Environments*, SYNASC 2008, The 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timișoara, 2008, pp. 257-264
3. Lazar, I., Parv, B., Motogna, S., **Czibula, I.G.**, Lazar, C.L., *An Agile MDA Approach for the Development of Service-Oriented Component-Based Applications* Proceedings of the International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems - Medical Applications of the Complex Systems Biomedical Computing CANS' 2008, IEEE Society Press, Targu Mures, 2008, pp. 38-44
4. S. Motogna, I. Lazar, B. Parv, **I. G. Czibula**. *An Agile MDA Approach for Service Oriented Components*, Proceedings 6th International Workshop on Formal Engineering Approaches to Software Components and Architectures, FESCA-ETAPS'2009, in Electronic Notes in Theoretical Computer Science 2009, vol. 253, Elsevier, pp. 95-110
5. I. Lazar, **I. G. Czibula**, S. Motogna, B. Parv, L. Lazar, *Rapid prototyping of service-oriented applications on OSGi platform*, Proceedings of BCI'09, pp. 217-222, Greece
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12. **Czibula, I.G.**, *ComDeValCo - Activity Modeling and Execution* Proceedings of the Symposium "Colocviul Academic Clujean de Informatica", *Directii noi de cercetare in Informatica*, 2008, pp. 61-68

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Anexa 4

Publicații realizate în perioada 2011-2014 - Echipă de cercetare în "Inteligența computațională aplicată": **Czibula Istvan**, Czibula Gabriela, Marian Zsuzsanna, Bocicor Iuliana

1. Bocicor, M. I., Czibula, G., **Czibula, I.G.**, *A Distributed Q-Learning Approach to Fragment Assembly*, SIC Journal, Studies in Informatics and Control, Vol. 20, Issue. 3, 2011, pp. 221-232
2. Czibula, G., Bocicor, M. I., **Czibula, I.G.**, *Promoter Sequences Prediction Using Relational Association Rule Mining*, Evolutionary Bioinformatics, Vol. 8, 2012, pp. 181-196
3. Zsuzsanna Marian, Gabriela Czibula, **Istvan Gergely Czibula**, *Using Software Metrics for Automatic Software Design Improvement*, Studies in Informatics and Control, ISSN 1220-1766, vol. 21 (3), pp. 249-258, 2012
4. Czibula, G., Bocicor, M. I., **Czibula, I.G.**, *Temporal Ordering of Cancer Microarray Data through a Reinforcement Learning Based Approach*, PloS One journal, 8(4): e60883, doi:10.1371/journal.pone.0060883, 2013
5. Gabriela Czibula, Zsuzsanna Marian, **Istvan Gergely Czibula**, *Software Defect Prediction using Relational Association Rule Mining*, Information Sciences, Vol. 264, April 2014, pp. 260-278
6. Gabriela Czibula, Zsuzsanna Marian, **Istvan Gergely Czibula**, *Detecting Software Design Defects Using Relational Association Rule Mining*, Knowledge and Information Systems, Vol. 42, Number 3, 2015, pp. 545-577
7. Czibula, G., Bocicor, M.I., **Czibula, I.G.**, *A Distributed Reinforcement Learning Approach for Solving Optimization Problems*, in *Recent Researches in Communications and IT*, Proceedings of the 5th International Conference on Communications and Information Technology (CIT '11), Greece, 2011, pp. 25-30
8. Bocicor, M. I., Czibula, G., **Czibula, I.G.**, *A Reinforcement Learning Approach for Solving the Fragment Assembly Problem*, Proceedings of the 13th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2011, IEEE Computer Society, pp. 191-198, 2011
9. Czibula G., Bocicor, M.I., **Czibula, I.G.**, *A Reinforcement Learning Model for Solving the Folding Problem*, IJCTA - International Journal of Computer Technology and Applications, Vol. 2, Issue 1, 2011, pp. 171-182
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12. Czibula, G., Bocicor, M.I., **Czibula, I.G.**, *Solving the Protein Folding Problem Using a Distributed Q-Learning Approach*, International Journal of Computers, Volume 5, Issue 3, 2011, pp. 404-413
13. Czibula, G., **Czibula, I.G.**, Bocicor, M.I., *A Comparison of Reinforcement Learning Based Models for the DNA Fragment Assembly Problem*, Studia Universitatis "Babes-Bolyai", Informatica, Proc. of KEPT 2013, LVIII(2), pp. 90-102, 2013
14. Marian Zs., Czibula G., **Czibula I.G.**, *FAOS – A framework for analysing object oriented software systems*, Studia Universitatis "Babes-Bolyai", Informatica, LIX(2), pp.66-81, 2014
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