

ANEXE RAPORT DE AUTOEVALUARE

perioada ianuarie 2010 - octombrie 2012

4. Criterii de performanță în cercetarea științifică (toate criteriile analizează numai perioada de evaluare) (40%)

4.1. Participarea la un program fundamental sau prioritar al Academiei Române și realizarea obiectivelor sale.
25

1.	Proiect prioritar „Sisteme Cognitive si aplicații”, 2010,2011,2012	2010, 2011, 2012	25	75
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4.2. Un tratat apărut într-o editură consacrată din străinătate² $25 \times (N_{ic}/N_a) \Sigma^5$

4.3. O carte apărută într-o editură consacrată din străinătate² $20 \times (N_{ic}/N_a)$

1.	<u>Bogdan Aman, Gabriel Ciobanu</u> : Mobility in Process Calculi and Natural Computing, Springer 2011.	2011	20*2/2	20
2.	<u>Diana Trandabăt</u> , Elena Irimia, Verginica Barbu Mititelu, <u>Dan Cristea</u> , Dan Tufiș, The Romanian Language in the Digital Age / Limba română în era digitala, White Paper Series, Eds. Georg Rehm and Hans Uszkoreit, Berlin, Springer, ISBN 978-3-642-30702-7, ISBN: 978-3-642-30702-7, 87 p	2012	20*2/5	8

4.4. O monografie apărută într-o editură consacrată din străinătate² $15 \times (N_{ic}/N_a) \Sigma^5$

4.5. O carte editată într-o editură consacrată din străinătate² $10 \times (N_{ic}/N_a) \Sigma^5$

1.	<u>G. Ciobanu</u> , M. Koutny (Editors). Modelling and Analysis of Biological Systems: Based on papers presented at the Workshop on Membrane Computing and Bio-logically Inspired Process Calculi (MeCBIC) held in 2008 (Iasi), 2009 (Bologna) and 2010 (Jena). Theoretical Computer Science, vol. 431, 2012.	2012	10*1/2	5
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4.6. Un tratat editat într-o editură consacrată din străinătate² $13 \times (N_{ic}/N_a) \Sigma^5$

4.7. O monografie editată într-o editură consacrată din străinătate² $8 \times (N_{ic}/N_a) \Sigma^5$

4.8. Un tratat apărut în Editura Academiei Române $13 \times (N_{ic}/N_a) \Sigma^5$

4.9. O carte apărută în Editura Academiei Române $10 \times (N_{ic}/N_a) \Sigma^5$

1.	<u>T. Barbu</u> . <i>Biometric Authentication Techniques</i> (in Romanian), The Publishing House of the Romanian Academy, 110 pages, 2012, ISBN 978-973-27-2144-5.	2012	10*1/1	10
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4.14. Un articol publicat într-o revistă cotate de *Web of Science* (Thomson Reuters) $(1 + FI) \times (N_{ic}/N_a)^4$

1.	<u>T. Barbu</u> . Novel Approach for Moving Human Detection and Tracking in Static Camera Video Sequences, <i>Proceedings of the Romanian Academy</i> , Series A, Volume 13, Number 3, pp. 269-277, July-September 2012. (impact factor = 0.149)	2012	$(1+0.149)*1/1$	1.149
2.	<u>T. Barbu</u> . Novel linear image denoising approach based on a modified Gaussian filter kernel, <i>Numerical Functional Analysis and Optimization</i> , 33 (11), pp. 1269-1279, publisher Taylor & Francis Group, LLC, 2012. (impact factor = 0.5824)	2012	$(1+0.5824)*1/1$	1.5824

3.	<u>T. Barbu</u> . Multiple Object Detection and Tracking in Sonar Movies using an Improved Temporal Differencing Approach and Texture Analysis, In <i>U.P.B. Scientific Bulletin</i> , Series A, Vol. 74, Issue 2, pp. 27-40, 2012, ISSN 1223-7027. (impact factor = 0.253)	2012	$(1+0.253)*1/1$	1.253
4.	<u>T. Barbu</u> , V. Barbu. A PDE approach to image restoration problem with observation on a meager domain, <i>Nonlinear Analysis: Real World Applications</i> , Vol. 13, Issue 3, pp. 1206-1215, June 2012. (impact factor = 2.138)	2012	$(1+2.138)*1/1$	3.138
5.	<u>T. Barbu</u> . Fingerprint Matching Approach Using a Novel Metric, In <i>U.P.B. Scientific Bulletin</i> , Series A, Issue 2, Vol. 73, pp. 119-128, 2011, ISSN 1223-7027. (impact factor = 0.253)	2011	$(1+0.253)*1/1$	1.253
6.	<u>T. Barbu</u> . A PDE based Model for Sonar Image and Video Denoising, <i>Analele Stiintifice ale Universitatii Ovidius, Constanta, Seria Matematica</i> , Volumul 19, Fascicola 3, pp. 51-58, 2011, ISSN 1224 - 1784. (impact factor = 0.044)	2011	$(1+0.044)*1/1$	1.044
7.	<u>T. Barbu</u> . An Automatic Face Detection System for RGB Images, <i>International Journal of Computers, Communications & Control</i> , Vol. 6, No.1, pp. 21-32, 2011, ISSN 1841-9836. (impact factor = 0.650)	2011	$(1+0.650)*1/1$	1.650
8.	<u>T. Barbu</u> . Gabor filter-based face recognition technique, <i>Proceedings of the Romanian Academy</i> , Series A, Volume 11, Number 3, pp. 277 - 283, July-September 2010. (impact factor = 0.149)	2010	$(1+0.149)*1/1$	1.0149
9.	<u>M. Fira</u> , <u>L. Goras</u> , C. Barabasa, N. Cleju, "On ECG Compressed Sensing using Specific Overcomplete Dictionaries", <i>Advances in Electrical and Computer Engineering</i> , Vol. 10, Nr. 4, 2010, pp. 23- 28, impact factor = 0.7-	2010	$(1+0.7)*(2/4)$	0.85
10	<u>M. Zbancioc</u> , <u>M. Feraru</u> , The Analysis of the FCM and WKNN Algorithms Performance for the Emotional Corpus SROL, <i>Vol. 12, Issue 3, 2012, pp. 33 – 38, ISSN: 1582-7445, e-ISSN: 1844-7600, Digital Object Identifier: 10.4316/AECE.2012.03005, http://www.aece.ro/current.php, http://www.aece.ro/abstractplus.php?year=2012&number=3&article=5-</i>	2012	$(1+0.555)*2/2$	1.555
11	<u>S.M. Feraru</u> , <u>H.N. Teodorescu</u> , <u>M.D. Zbancioc</u> , SRoL - Web-based Resources for Languages and Language Technology e-Learning, <i>Int. J. of Computers, Communications & Control</i> , ISSN 1841-9836, E-ISSN 1841-9844, Vol. V (2010), No. 3, pp. 280-290	2010	$(1+0.650)*(3/3)$	1.65
12	Curteanu S., Nistor A., <u>Curteanu N.</u> , Airinei A., Cazacu M., Applying soft computing methods to fluorescence modelling of the polydimethylsiloxane/silica composites containing lanthanum, <i>Journal of Applied Polymer Science</i> , APP-2009-10-3050, Volume 117, Issue 6 Pages 3107–3728, publicat in 15.09.2010,	2010	$(1+1,187)*1/5$	0.44
13	C. Andriesei, <u>L. Goras</u> , V. Maftai, Comment on "Compact, High-Q, and Low-Current Dissipation CMOS Differential Active Inductor" <i>IEEE Microwave and Wireless Components Letters</i> , Volume: 22 , Issue: 7 , 2012 , Page(s): 381 – 382, impact factor = 1.71,	2012	$(1+1.7)*(1/3)$	0.9
14	C. Andriesei, <u>L. Goras</u> , F. Temcamani, 2010 "Q-enhancement Technique Applied to an Inductorless RF Filter", <i>Revue Roumaine de Sciences Techniques</i> nr. 2/2010, impact factor = 0.136,	2010	$(1+0.136)*(1/3)$	0.37
15	Cristian Andriesei, <u>Liviu Goras</u> , Farid Temcamani, "On a RF Bandpass Filter Tuning Method", <i>REV. ROUM. SCI. TECHN.</i> –	2010	$(1+0.136)*(1/3)$	0.37

	ÉLECTROTECHN. ET ÉNERG., 55, 1, pp. 69–79, 2010, ISSN 0035-4066; impact factor = 0.136,			
16	<u>Liviu Goras</u> , Ionut Vornicu, Spatial Filtering Using Analog Parallel Architectures and Their Log-Domain Implementation, Romanian Journal of Information Science and Technology, Volume 13, Number 1, 2010, pp. 73- 83, ISSN 1453-8245	2010	$(1+0.1)*1/2$	0.55
17	<u>C. Rotariu</u> , <u>H. Costin</u> , Ioana Alexa, Gladiola Andrusac, V. Manta, B. Mustăță, “E-Health System for Medical Telesurveillance of Chronic Patients”, IJCCC (Int. Journal of Computers, Communications & Control), vol. V, nr. 5, 2010, pp. 892-901, ISSN 1841-9836,	2010	$(1+0.650)*2/6$	0,55
18	<u>Brudaru O.</u> , <u>Popovici D.</u> , Copaceanu C., Cellular genetic algorithm with communicating grids for assembly line balancing problems, Advances in Electrical and Computer Engineering Journal, nr. 2, 2010 , Page(s): 87 - 93,	2010	$(1+0.509)*2/3$	1
19	<u>Horia-Nicolai Teodorescu</u> , Classes Of Diophantic Equations Arising In Relation To Function Implementation On Microcontrollers ,Proceedings of the Romanian Academy, Series A ,Volume 11, Number 2/2010, pp. 179–187,	2010	$(1+ 0.149)*1/1$	1.149
20	Alina Untu (Hulea), <u>H.N. Teodorescu</u> , <i>Micro-Acoustical Analysis And Classification of The Fricative /V/</i> . Proceedings of The Romanian Academy, Series A, Vol. 12, Number 3/2011, pp. 257-265,	2011	$(1+ 0.149)*1/2$	0.57
21	<u>Teodorescu H.N.</u> , On Fuzzy Sequences, <i>Fixed Points and Periodicity in Iterated Fuzzy Maps</i> . International Journal of Computers Communications & Control Vol.: 6 Issue: 4 Pages: 752-763 Published: DEC 2011	2011	$(1+ 0.438)*1/1$	1.438
22	<u>Teodorescu H.N.</u> , <i>On the meaning of approximate reasoning - An unassuming subsidiary to Lotfi Zadeh's paper dedicated to the memory of Grigore Moisil</i> . International Journal of Computers Communications & Control, Vol.: 6 Issue: 3 Special Issue: SI, Pages: 577-580, Sept. 2011	2011	$(1+ 0.438)*1/1$ 2010=0.650	1.438
23	<u>H.N. Teodorescu</u> , <i>Pattern Formation and Stability Issues in Coupled Fuzzy Map Lattices</i> . Studies in Informatics and Control, ISSN 1220-1766, vol. 20 (4), pp. 345-354, 2011	2011	$(1+0.500)/1*1$	1.50
24	<u>O. Agrigoroaiei</u> , <u>G. Ciobanu</u> . Reversing Computation in Membrane Systems. Journal of Logic and Algebraic Programming, vol. 79, 278-288, 2010. punctaj 1.58, criteriul 14	2010	$(1+0.58)/2*2$	1.58
25	<u>O. Agrigoroaiei</u> , <u>G. Ciobanu</u> . Rule-based and object-based event structures for membrane systems. Journal of Logic and Algebraic Programming, vol. 79, 295 – 303, 2010. punctaj 1.58	2010	$(1+0.58)/2*2$	1.58
26	<u>B. Aman</u> , <u>G. Ciobanu</u> . Adding Lifetime to Objects and Membranes in P Systems. International Journal of Computers, Communication & Control, vol. V, 268-279, 2010. punctaj 0.83	2010	$(1+0.650)/2*1$	0.83
27	<u>B. Aman</u> , <u>G. Ciobanu</u> . Mutual mobile membranes with objects on surface. Natural Computing, vol.10, 777-793, 2011. punctaj 2	2011	$(1+0.609)/2*2$	1.609
28	<u>B. Aman</u> , <u>G. Ciobanu</u> . Computing by endocytosis and exocytosis. Analele Științifice ale Universității “Alexandru Ioan Cuza” din Iași, Matematică, TOM LVII, s.1, 13-24, 2011. punctaj 2	2011	$(1+1)/2*2$	2
29	<u>G. Ciobanu</u> , S. N. Krishna: Enhanced Mobile Membranes: Computability	2011	$(1+0.440)/2*1$	0.72

	Results. Theory of Computing Systems, vol. 48(3), 715-729, 2011. punctaj 0.72			
30	<u>G. Ciobanu</u> , M. Koutny. Timed Mobility in process algebra and Petri nets. Journal of Logic and Algebraic Programming, vol.80, 377-391, 2011. punctaj 0.79	2011	(1+0.580)/2*1	0.79
31	<u>B. Aman</u> , <u>G. Ciobanu</u> . Solving a weak NP-complete problem in polynomial time by using mutual mobile membrane systems. Acta Informatica, vol. 48, 409-415, 2011. punctaj 1.44	2011	(1+0.444)/2*2	1.44
32	<u>A. Alexandru</u> , <u>G. Ciobanu</u> . Nominal event structures. Romanian Journal of Information Science and Technology, vol.15, 79-90, 2012. punctaj 2	2012	(1+0.500)/2*2	1.50
33	<u>A. Alexandru</u> , <u>G. Ciobanu</u> . A topological approach in the extended Fraenkel-Mostowski model of set theory. Scientific Annals of "A.I.I. Cuza" University of Iasi, Mathematics Series. To appear, 2012. punctaj 2	2012	(1+0.500)/2*2	1.50
34	<u>A. Alexandru</u> , <u>G. Ciobanu</u> . Nominal Semantics of Mobility. Romanian Journal of Information Science and Technology. To appear, 2012. punctaj 2	2012	(1+0.500)/2*2	1.50
35	<u>B. Aman</u> , <u>G. Ciobanu</u> . Properties of enhanced mobile membranes via coloured Petri nets. Information Processing Letters, vol. 112, 243-248, 2012. punctaj 1.54	2012	(1+0.540)/2*2	1.54
36	<u>G. Ciobanu</u> . General Patterns of Interaction in Stochastic Fusion, Natural Computing. To appear, 2012. punctaj 2	2012	(1+0.609)/2*2	1.609
37	<u>G. Ciobanu</u> , C. Juravle. Flexible Software Architecture and Language for Mobile Agents. Concurrency and Computation: Practice and Experience, vol. 24, 559–571, 2012. punctaj 0.82,	2012	(1+0.64)/2*1	0.82
38	<u>G. Ciobanu</u> , M. Koutny. Modelling and analysis of biological systems, Theoretical Computer Science, vol. 431, 2-3, 2012. punctaj 0.88	2012	(1+0.780)/2*1	0.89
39	<u>Horia-Nicolai Teodorescu</u> , Characterization of nonlinear dynamic systems for engineering purposes – a partial review. International Journal of General Systems, Vol. 41, Issue 8, 2012, pp. 805-825	2012	(1+ 0.667)*1/1	1,667
40	<u>H.-N. Teodorescu</u> , Epidemic Noise Models and Epidemic Filtering – Preliminary Proposal and Analysis of Capabilities. Proc RA Series A nr 4 / 2012	2012	(1+0.149)*1/1	1,149

4.16. O lucrare prezentată la o manifestare științifică internațională, publicată integral într-un volum editat într-o editură consacrată din străinătate, inclusiv electronic (Conference Proceedings Citation Index- Science, Web of Science, Thomson Reuters)² $2 \times (N_{ic}/N_a)$

1.	<u>T. Barbu</u> . Template Matching based Video Tracking System using a Novel N-Step Search Algorithm and HOG Features, <i>Lecture Notes in Computer Science (ICONIP 2012, part V, Doha, Qatar, Nov. 12-15, 2012)</i> , Vol. 7667, pp. 328-336, Springer, Heidelberg, T. Huang et al. (Eds.), 2012	2012	2*1/1	2
2.	<u>O. Agrigoroaiei</u> , <u>G. Ciobanu</u> , <u>Andreas Resios</u> . Evolving by Maximizing the Number of Rules: Complexity Study. <i>Lecture Notes in Computer Science</i> , vol. 5957, 149-157, 2010.	2010	2*3/3	2
3.	<u>B. Aman</u> , <u>G. Ciobanu</u> . Formalizing the Behavior of Biological Processes with Mobility. <i>Lecture Notes in Computer Science</i> , vol.6079, 187–187, 2010.	2010	2*1/2	1
4.	<u>B. Aman</u> , <u>G. Ciobanu</u> . Typed Membrane Systems. <i>Lecture Notes in Computer Science</i> , vol.5957, 169–181, 2010.	2010	2*1/2	1
5.	<u>H. Anderson</u> , <u>G. Ciobanu</u> , <u>L. Freitas</u> . UTP and Temporal Logic Model Checking. <i>Lecture Notes in Computer Science</i> , vol. 5713, 22-41, 2010.	2010	2*1/3	0.66

6.	<u>G. Ciobanu</u> . Finding Network Resources by Using Mobile Agents. Studies in Computational Intelligence, vol. 315, 305-314, 2010.	2010	2/1*1	2
7.	<u>G. Ciobanu</u> , C. Juravle. Mobile Agents with Timers, and Their Implementation. Studies in Computational Intelligence, vol. 315, 229-239, 2010.	2010	2/2*1	1
8.	<u>O. Agrigoroaiei</u> , <u>G. Ciobanu</u> . Flattening the Transition P Systems with Dissolution. Lecture Notes in Computer Science, vol. 6501, 53-64, 2011.	2011	2/2*2	2
9.	B. Aman, <u>G. Ciobanu</u> . A Temporal Logic for Mutual Mobile Membranes with Objects on Surface. Lecture Notes in Computer Science 6610, pp. 138–150, 2011.	2011	2*1/2	1
10.	<u>G. Ciobanu</u> . Mobility in Computer Science and in Membrane Systems. Lecture Notes in Computer Science, vol. 6501, 7-17, 2011.	2011	2/1*1	2
11.	<u>G. Ciobanu</u> , M. Koutny. Timed Migration and Interaction with Access Permissions. Lecture Notes in Computer Science, vol. 6664, 293-307, 2011.	2011	2/2*1	1
12.	<u>G. Ciobanu</u> , S. N. Krishna. $\Sigma_2^P \cup \Pi_2^P$ Lower Bound Using Mobile Membranes. Lecture Notes in Computer Science, vol. 6808, 275-288, 2011.	2011	2/2*1	1
13.	<u>G. Ciobanu</u> , S. N. Krishna. Computability Power of Mobility in Enhanced Mobile Membranes. Lecture Notes in Computer Science, vol. 6735, 160-170, 2011.	2011	2/2*1	1
14.	<u>G. Ciobanu</u> , E. N. Todoran. Continuation semantics for concurrency applied to parallel rewriting of multisets. Proceedings 12th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), IEEE Computer Society Press, 387-391, 2011.	2011	2/2*1	1
15.	<u>O. Agrigoroaiei</u> , <u>G. Ciobanu</u> . Quantitative Causality in Membrane Systems. Lecture Notes in Computer Science, vol.7184, 62-72, 2012.	2012	2/2*2	2
16.	B. Aman, <u>G. Ciobanu</u> . Coordinating Parallel Mobile Ambients to Solve SAT Problem in Polynomial Number of Steps. Lecture Notes in Computer Science, vol. 7274, 122–136, 2012.	2012	2/2*2	2
17.	B. Aman, <u>G. Ciobanu</u> , M. Koutny. Behavioural Equivalences over Migrating Processes with Timers, Lecture Notes in Computer Science, vol. 7273, 52–66, 2012.	2012	2/3*2	1.33
18.	<u>G. Ciobanu</u> , M. Koutny, J. Steggle. A Timed Mobility Semantics based on Rewriting Strategies. Lecture Notes in Computer Science, vol. 7504, 141-155, 2012. punctaj 0.66, criteriul 16	2012	2/3*1	0.66
19.	<u>G. Ciobanu</u> , G.M. Pinna. Catalytic Petri Nets are Turing Complete. Lecture Notes in Computer Science, vol. 7183, 192-203, 2012.	2012	2/2*1	1
20.	S.N. Krishna, B. Aman, <u>G. Ciobanu</u> . On the Computability Power of Membrane Systems with Controlled Mobility. Lecture Notes in Computer Science, vol. 7318, 627–636, 2012.	2012	2/3*2	1.33
21.	<u>M. Costin</u> , A. Ignat, Pitfalls in using Dual Tree Complex Wavelet Transform for texture featurin: A discussion, <i>IEEE 7th International Symposium on Intelligent Signal Processing (WISP)</i> , 19-21 Sept. 2011, Floriana, Malta, ISBN: 978-1-4577-1403-0	2011	2/2*1	1
22.	<u>T. Barbu</u> , M. Dragomir, An Information Retrieval System for E-Learning, <i>Proceedings of the International Multidisciplinary Scientific Geo-Conference SGEM 2010</i> , Volume 2, pp. 1033-1038, June 20-25, 2010, Albena, Bulgaria, ISBN 10: 954-91818-1-2, ISBN 13: 978-954-91818-1-4	2010	2/2*1	1

23.	A. Ciobanu, M. Costin, T. Barbu. Extraction of main colors from a digital color image, <i>Proceedings of the International Multidisciplinary Scientific Geo-Conference SGEM 2010</i> , Volume 1, pp. 1069-1076, June 20-25, 2010, Albena, Bulgaria, ISBN 10: 954-91818-1-2, ISBN 13: 978-954-91818-1-4	2010	2/2*2	2
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4.17. Un capitol într-un tratat, carte sau monografie editate într-o editură consacrată din străinătate²
 $13 \times (N_{ic}/N_a) \times (N_p/N_{tp})$

1.	B. Aman, G. Ciobanu. <i>Mobile Membranes and Mobile Ambients</i> . The Oxford Handbook of Membrane Computing Oxford University Press, 2010			
2.	G. Ciobanu. <i>Semantics of P Systems</i> . The Oxford Handbook of Membrane Computing. Oxford University Press 2010.			
3.	D. Cristea, I. Pistol, <i>Multilingual Linguistic Workflows</i> , Multilingual Processing in Eastern and Southern EU Languages. Low-resourced Technologies and Translation, in Cristina Vertan and Walther v. Hahn (Eds.) Cambridge Scholars Publishing, UK, 2012,			

4.18. Un capitol într-un tratat, carte sau monografie editate în Editura Academiei Române
 $7 \times (N_{ic}/N_a) \times (N_p/N_{tp})$

1.	Cristea, D., Iftene, A., <i>Discourse Coherence – a Built-in Cognitive Mechanism?</i> , Multilinguality and interoperability in language processing with emphasis on Romanian, In Dan Tufiş, Corina Forăscu (eds.), Editura Academiei Române, Bucureşti, ISBN 978-973-27-1972-5, pp 362 - 379	2010	7x1/2x8/437	0.144
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4.19. Număr de citări conform Web of Science (Thomson Reuters) 0,5

Lucrarea M. Fira, L. Goras, „An ECG Signals Compression Method and Its Validation Using NNs”, IEEE Transactions on Biomedical Engineering, Vol. 55, No. 4, 2008,
 Are 9 citari in perioada 2010 – 2012 conform Web of Science - $9 \times 0,5 = 4,5$ puncte

B. Aman, G. Ciobanu. Adding Lifetime to Objects and Membranes in P Systems. International Journal of Computers, Communication & Control, vol. V, 268-279, 2010.

Citari ISI Web of Science:

10. J Dvorský, Z Janoška, L Vojáček. P Systems for Traffic Flow Simulation. Lecture Notes in Computer Science, vol. 7564, 405-415, 2012. **0.5**

O. Agrigoroaiei, G. Ciobanu. Rule-based and object-based event structures for membrane systems. Journal of Logic and Algebraic Programming, vol. 79, 295 – 303, 2010. punctaj 1

Citari ISI:

11. Barbuti Roberto; Maggiolo-Schettini Andrea; Milazzo Paolo; Tini S. AN OVERVIEW ON OPERATIONAL SEMANTICS IN MEMBRANE COMPUTING. INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE, vol. 22, 119-131, 2011.

12. G.M. Pinna, M. Saba. Modeling dependencies and simultaneity in membrane system computations. Theoretical Computer Science, vol. 431, 13-39, 2012.

O.Andrei, G.Ciobanu, D.Lucanu. A rewriting logic framework for operational semantics of membrane systems. Theoretical Computer Science vol.373, 163-181, Elsevier, 2007.

Citari ISI:

13. Title: AN OVERVIEW ON OPERATIONAL SEMANTICS IN MEMBRANE COMPUTING

Author(s): Barbuti Roberto; Maggiolo-Schettini Andrea; Milazzo Paolo; Tini S.

Source: INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE Volume: 22 Issue:

1 Pages: 119-131 DOI: 10.1142/S0129054111007885 Published: JAN 2011

G.Ciobanu, Linqiang Pan, Gh.Paun, M.Perez-Jimenez. P Systems with Minimal Parallelism. Theoretical Computer Science vol.378, 117-130, 2007.

Citari ISI:

14. Title: (Tissue) P systems working in the k-restricted minimally or maximally parallel transition mode

Author(s): Freund Rudolf; Verlan Sergey

Source: NATURAL COMPUTING Volume: 10 Issue: 2 Special Issue: SI Pages: 821-833 DOI: 10.1007/s11047-010-9215-z Published: JUN 2011

15. Title: P SYSTEMS WITH PROTEINS ON MEMBRANES: A SURVEY

Author(s): Paun Andrei; Paun Mihaela; Rodriguez-Paton Alfonso; Sidoroff M.

Source: INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE Volume: 22 Issue:

1 Pages: 39-53 DOI: 10.1142/S0129054111007812 Published: JAN 2011

Gabriel Ciobanu, Bogdan Aman. On the Relationship between Membranes and Ambients, Biosystems vol.91(3), 515-530, 2008.

Citari ISI:

16. Title: A semantic equivalence for Bio-PEPA based on discretisation of continuous values

Author(s): Galpin Vashti; Hillston Jane

Source: THEORETICAL COMPUTER SCIENCE Volume: 412 Issue: 21 Pages: 2142-2161 DOI:

10.1016/j.tcs.2011.01.007 Published: MAY 6 2011

17. Title: Equivalences for a biological process algebra

Author(s): Galpin Vashti

Source: THEORETICAL COMPUTER SCIENCE Volume: 412 Issue: 43 Pages: 6058-6082 Published: 2011

G. Ciobanu, S. Marcus, Gh. Păun. New Strategies of Using the Rules of a P System in a Maximal Way. *Romanian Journal of Information Science and Technology*, vol.12, 157-173, 2009.

Citari ISI:

18. Title: P systems with active membranes: Trading time for space

Author(s): Antonio E. Porreca, Alberto Leporati, Giancarlo Mauri and Claudio Zandron

Source: NATURAL COMPUTING Volume: 10 Issue: 1 Pages: 167-182 DOI: 10.1007/s11047-010-9189-

x Published: MAR 2011

O. Agrigoroaiei, G. Ciobanu. Dual P systems. *Lecture Notes in Computer Science*, vol. 5391, 95-107, 2009.

Citari ISI:

19. Title: ON STRONG REVERSIBILITY IN P SYSTEMS AND RELATED PROBLEMS

Author(s): Ibarra Oscar H.

Source: INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE Volume: 22 Issue:

1 Pages: 7-14 DOI: 10.1142/S0129054111007782 Published: JAN 2011

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Author(s): Teodorescu Horia-Nicolai; Zbancioc Marius-Dan; Pistol Laura

Title: Parallelizing Neuro-fuzzy Economic Models in a GRID Environment

Source: *Studies in Informatics and Control* Volume: 17 Issue: 1 Pages: 5-16 Published: MAR 2008

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23. Programming Problems with a Large Number of Objective Functions

Author(s): Resteanu Cornel; Trandafir Romica

Editor(s): Dimov I; Dimov S; Kolkovska N

Conference: International Conference on Numerical Methods and Applications Location: Borovets, BULGARIA

Source: NUMERICAL METHODS AND APPLICATIONS Book Series: Lecture Notes in Computer Science Volume: 6046 Pages: 207-214 Published: 2011

4.20. Factor de impact cumulat conform *Web of Science* (Thomson Reuters)³ - $FI \times (N_{ic}/N_a)$

1.	<u>T. Barbu</u> . Novel Approach for Moving Human Detection and Tracking in Static Camera Video Sequences, <i>Proceedings of the Romanian Academy, Series A, Volume 13, Number 3</i> , pp. 269-277, July-September 2012. (impact factor = 0.149)	2012	0.149*1/1	0.149
2.	<u>T. Barbu</u> . Novel linear image denoising approach based on a modified Gaussian filter kernel, <i>Numerical Functional Analysis and Optimization</i> , 33 (11), pp. 1269-1279, publisher Taylor & Francis Group, LLC, 2012. (impact factor = 0.5824)	2012	0.5824*1/1	0.5824
3.	<u>T. Barbu</u> . Multiple Object Detection and Tracking in Sonar Movies using an Improved Temporal Differencing Approach and Texture Analysis, In <i>U.P.B. Scientific Bulletin, Series A, Vol. 74, Issue 2</i> , pp. 27-40, 2012, ISSN 1223-7027. (impact factor = 0.253)	2012	0.253*1/1	0.253
4.	<u>T. Barbu</u> , V. Barbu. A PDE approach to image restoration problem with observation on a meager domain, <i>Nonlinear Analysis: Real World Applications</i> , Vol. 13, Issue 3, pp. 1206-1215, June 2012. (impact factor = 2.138)	2012	1.138*1/1	1.138
5.	<u>T. Barbu</u> . Fingerprint Matching Approach Using a Novel Metric, In <i>U.P.B. Scientific Bulletin, Series A, Issue 2, Vol. 73</i> , pp. 119-128, 2011, ISSN 1223-7027. (impact factor = 0.253)	2011	0.253*1/1	0.253
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7.	<u>T. Barbu</u> . An Automatic Face Detection System for RGB Images, <i>International Journal of Computers, Communications & Control</i> , Vol. 6, No.1, pp. 21-32, 2011, ISSN 1841-9836. (impact factor = 0.650)	2011	0.650*1/1	0.650
8.	<u>T. Barbu</u> . Gabor filter-based face recognition technique, <i>Proceedings of the Romanian Academy, Series A, Volume 11, Number 3</i> , pp. 277 - 283, July-September 2010. (impact factor = 0.149)	2010	0.149*1/1	0.0149
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10.	<u>M. Zbancioc, M. Feraru</u> , The Analysis of the FCM and WKNN Algorithms Performance for the Emotional Corpus SROL, <i>Vol. 12, Issue 3, 2012, pp. 33 – 38, ISSN: 1582-7445, e-ISSN: 1844-7600, Digital Object Identifier: 10.4316/AECE.2012.03005</i> , http://www.aece.ro/current.php , http://www.aece.ro/abstractplus.php?year=2012&number=3&article=5-	2012	0.555*2/2	0.555
11.	<u>S.M. Feraru, H.N. Teodorescu, M.D. Zbancioc</u> , SRoL - Web-based Resources for Languages and Language Technology e-Learning, <i>Int. J. of Computers, Communications & Control</i> , ISSN 1841-9836, E-ISSN 1841-9844, Vol. V (2010), No. 3, pp. 280-290	2010	0.650*(3/3)	0.65

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20.	Alina Untu (Hulea), <u>H.N. Teodorescu</u> , <i>Micro-Acoustical Analysis And Classification of The Fricative /V/</i> . Proceedings of The Romanian Academy, Series A, Vol. 12, Number 3/2011, pp. 257-265,	2011	0.149*1/2	0.075
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22.	<u>Teodorescu H.N.</u> , <i>On the meaning of approximate reasoning - An unassuming subsidiary to Lotfi Zadeh's paper dedicated to the memory of Grigore Moisil</i> . International Journal of Computers Communications & Control, Vol.: 6 Issue: 3 Special Issue: SI, Pages: 577-580, Sept. 2011	2011	0.438*1/1	0.438
23.	<u>H.N. Teodorescu</u> , <i>Pattern Formation and Stability Issues in Coupled Fuzzy Map Lattices</i> . Studies in Informatics and Control, ISSN 1220-1766, vol. 20 (4), pp. 345-354, 2011	2011	0.500/2*2	0.50
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35.	<u>B. Aman, G. Ciobanu.</u> Properties of enhanced mobile membranes via coloured Petri nets. Information Processing Letters, vol. 112, 243-248, 2012. punctaj 1.54	2012	0.540/2*2	0.54
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37.	<u>G. Ciobanu, C. Juravle.</u> Flexible Software Architecture and Language for Mobile Agents. Concurrency and Computation: Practice and Experience, vol. 24, 559–571, 2012. punctaj 0.82,	2012	0.64/2*1	0.32
38.	<u>G. Ciobanu, M. Koutny.</u> Modelling and analysis of biological systems, Theoretical Computer Science, vol. 431, 2-3, 2012. punctaj 0.88	2012	0.780/2*1	0.39
39.	<u>Horia-Nicolai Teodorescu,</u> Characterization of nonlinear dynamic systems for engineering purposes – a partial review. International Journal of General Systems, Vol. 41, Issue 8, 2012, pp. 805-825	2012	0.667*1/1	0,667
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4.21. O carte apărută într-o editură consacrată din țară⁷ $7 \times (N_{ic}/N_a) \Sigma^5$

1.	Adrian Brezulianu, <u>Monica Fira,</u> Procesarea semnalelor biomedicale si aplicatii, Ed. Politehniun, Iasi, 2010, 244 pag	2010	7*1/2	3.5
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2.	G. Ciobanu. Membrane Computing and Biologically Inspired Process Calculi. Editura Universității „Alexandru Ioan Cuza” Iași, 2010	2010	7*1	7
3.	Neculai Curteanu, The Segmentation-Cohesion-Dependency Parsing Strategy and Linguistic Theory, TehnoPress, Iași, România, 2012, ISBN: 987-973-702-928-7, xxv + 428 p,	2012	7*1	7

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1.	G. Ciobanu (Editor). Scientific Annals of Computer Science, vol. 20, 2010	2010	3*1/1	3
2.	H. Costin, Al. Morega, Liliana Vereștiuc (editori), Advancements of Medical Bioengineering and Infotmatics, (Proceedings of the IEEE International Conference ”E - Health and Bioengineering”, EHB 2011),Editura ”Gr.T. Popa” Iași, 2011 , ISSN 2066-7590 (hard copy), ISSN 2248 – 0625 (e-copy), ISBN 978-606-544-078-4, 527 pag., ,3,3×(Nic/Na)	2011	3x1/3	1
3.	M. A. Moruz, D. Cristea, Dan Tufiș, A. Iftene, H.N. Teodorescu (eds.) (2012), Proceedings of the 8th International Conference "Linguistic Resources And Tools For Processing Of The Romanian Language", 8-9 December 2011, 26-27 April 2012, ISSN 1843-911X,, "Alexandru Ioan Cuza" University Publishing House, Iași,	2012	3x3/5	1.82
4.	A. Iftene, H.N. Teodorescu, D. Cristea, D. Tufiș, Lucrările conferinței Internaționale Resurse lingvistice și instrumente pentru prelucrarea limbii române, București, 6-7 mai 2010. ISSN: 1843-911X , 244 p, Ed. Universitatii A.I.I. Cuza din Iasi	2010	3x2/4	1.5

4.23. Un articol apărut într-o revistă recunoscută de CNCS (B+) sau indexată într-o bază internațională de date (BDI) $1 \times (N_{ic}/N_a)$

1.	T. Barbu, M. Costin, A. Ciobanu. An Unsupervised Content-based Image Recognition Technique, <i>Springer-Verlag - Series: Studies in Computational Intelligence: New Concepts and Applications in Soft Computing</i> , Vol. 417, pp. 157-164, Berlin, Eds. V. E. Balas, A. V. Koczy, J. Fodor, April 2012, ISBN 978-3-642-28958-3	2012	1*(3/3)	1
2.	T. Barbu, M.Costin, A. Ciobanu. Color-based Image Retrieval Approaches Using a Relevance Feedback Scheme, <i>Springer-Verlag - Series: Studies in Computational Intelligence: New Concepts and Applications in Soft Computing</i> , Vol. 417, pp. 47-55, Berlin, Eds. V. E. Balas, A. V. Koczy, J. Fodor, April 2012, ISBN 978-3-642-28958-3	2012	1*(3/3)	1
3.	T. Barbu, Two Novel Face Recognition Approaches, in <i>Face Analysis, Modeling and Recognition Systems</i> , Edited by Tudor Barbu, Publisher: InTech, pp. 19-32, September 2011, ISBN 978-953-307-738-3	2011	1*(1/1)	1
4.	T. Barbu, A. Ciobanu, M. Costin, Unsupervised Color-based Image Recognition based on a LAB Feature Extraction Technique, <i>Buletinul Institutului Politehnic Iasi, Automatic Control and Computer Science Section</i> , published by "Gheorghe Asachi" Technical University of Iasi, Tome LVII (LXI), Fasc. 3, pp. 33-41, 2011	2011	1*(3/3)	1
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6.	M. Fira, L. Goras, “Biomedical Signal Compression based on Basis Pursuit”, <i>International Journal of Advanced Science and Technology</i> , Vol. 14, January 2010	2010	1*2/2	1

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9.	Adrian Brezulianu, Monica Fira, Integrated Information System of Monitoring and Management for Heart Centers, International Journal of Advanced Research in Artificial Intelligence, IJARAI Volume 1 Issue 5, pp 16 – 22, 2012	2012	1*1/2	0.5
10.	C. Andriesei, V. Maftei, L. Goras, F. Temcamani, B. Delacressonniere, On The Possibility Of Using Cmos Active Inductors For Telecommunications Filters Implementation, BULETINUL INSTITUTULUI POLITEHNIC DIN IASI, Tomul LVII (LXI), Fasc. 2, 2012, Sectia ELECTROTEHNICA(, ENERGETICA(, ELECTRONICA, 2012	2012	1*1/5	0.2
11.	V. Maftei, C. Andriesei and L. Goras, On The Rlc Model Of A Cmos Transistor Only Simulated Inductor, Buletinul Institutului Politehnic din Iași, Tom LVIII (LXII), Fasc. 1, pp. 65–72, 2012 (BDI),	2012	1*1/3	0.33
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15.	H.-N. Teodorescu and V. Cojocaru, <i>Three-transistor modulator-amplifier circuit works with swept-control frequencies</i> , Electronic Design, EDN, http://www.edn.com/contents/images/6726481.pdf , pp. 72-74, April 22, 2010	2010	1*(1/2)	0.5
16.	H.N. Teodorescu, <i>120 Years with the memoirs of the Scientific Sections of the Romanian Academy</i> , Memoirs of the Scientific Sections of the Romanian Academy, Tome XXXII, 2009, pp. 149-167 (aparut 2010)	2010	1*(1/1)	1
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21.	Gavril Muscă, Elena Muscă, Vasile Merticaru & Lucian Tabacaru, ‘Structure of Products and Implementation of CAD Models in Product Data Management System’ , în International Journal of Modern Manufacturing Technologies, ISSN 2067–3604, Vol. II, No. 2 / 2010, pag.57-64, (CNCS B+)	2010	1*1/4	0.25
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33	D. Cristea, Romanian Linguistic Resources on Very Large Scale, Computer Science Journal of Moldova , vol.19, no.2(56), 130-145, 2011	2011	1*1/1	1
34	Grigoras V., Grigoras C., "Equalization of a Chaotic Discrete-Time Communication System", Buletinul Institutului Politehnic din Iasi, Sectia Electrotehnica, Energetica, Electronica, BDI, CNCSIS B+, Tome LVII(LXI)Fasc 5, 2011, pp 23-30	2011	1*1/2	0.5
35	N. Curteanu, A. Moruz, Toward the Soundness of Sense Structure Definitions in Thesaurus-Dictionaries. Parsing Problems and Solutions. Computer Science Journal of Moldova, Academy of Sciences of Moldova, Vol. 20, No.3 (60), pp. 275-303, 2012	2012	1*2/2	1
36	N. Curteanu, S. Cojocaru, E. Burcă , Parsing the Dictionary of Modern Literary Russian Language with the Method of SCD Configurations. The Lexicographic Modeling. Computer Science Journal of Moldova, Academy of Sciences of Moldova, Vol. 20, No.1(58), pp. 42-81, 2012	2012	1*1/3	0.33
37	D. Gîfu, D. Cristea (2012 – to appear), <i>Public discourse semantics. A method of anticipating economic crisis.</i> In International Journal of Computers, Communications and Control, (IJCCC), I. Dzitac, F.G. Filip, M.-J. Manolescu (eds.), ISSN 1841-9836	2012	1*1/2	0.5
38	D. Jitcă, V. Apopei, O. Păduraru, <i>A Romanian Prosody Prediction Module Based on a Functional Intonational Model</i> , Memoirs of the Scientific Sections, Tome XXXV, pp. 109-124, (CNCSIS B), 2012	2012	1*3/3	1
39	O. Brudaru, C. Rotaru, Grafting a branch and bound method on a genetic algorithm for balancing I / U-shaped assembly lines, Memoirs of the Scientific	2011	1*1/2	0.5

	Sections of the Romanian Academy, Tome XXXIV			
40.	Brudaru, O., Copaceanu, C., Popovici D, A new hybrid genetic algorithm to “i”-shaped assembly line balancing problem, <i>Matematica, Mecanica Teoretica, Fizica, Tom LIV(LX)</i> , Buletinul Institutului Politehnic Iasi, fasc.2, 2010, pp. 23-32	2010	1*2/3	0.66
41.	O. Brudaru, I. Furdu, Monogrid Cellular Genetic Algorithm for OBDD’s Optimization, <i>Buletinul Institutului Politehnic din Iași, Tomul LVII (LXI) Fasc. 2, 2011</i>	2011	1*1/2	0.5
42.	O. Brudaru, C. Copaceanu, <i>Assembly lines balancing with parallel workstations - grafting a greedy method on a genetic algorithm</i> , Scientific Studies and Research Series Mathematics and Informatics "Vasile Alecsandri" University of Bacău, Faculty of Sciences	2011	1*1/2	0.5
43.	H.N. Teodorescu, M. Rusu, Yet Another Method for Image Segmentation based on Histograms and Heuristics, <i>Computer Science Journal of Moldova (CSJ Moldova)</i> , vol. 20, no. 2(59), pp. 163-177, 2012	2012	1*1/2	0.5

4.24. O conferință invitată/plenară/keynote prezentată la o manifestare științifică internațională 10

1.	H.-N. Teodorescu, Web geographical and local inventory of potential disasters and disaster simulations. (prezentare orala si poster) CONCERT-Japan -- Resilience against Disasters -- Partnering Event 10-11 September 2012 Tokyo, Japan	2012		10
2.	H.-N. Teodorescu, Alina Hulea, Gnathophonics & Gnathosonics in Smart Prosthetics and Orthodontics. Summer School on Human-Machine Systems, Cyborgs, and Enhancing Devices - HUMASCEND, Iasi, 14-18 iunie 2012	2012		10
3.	H.-N. Teodorescu, Review of current topics on interactions of radiation with cells and tissues. Summer School on Human-Machine Systems, Cyborgs, and Enhancing Devices - HUMASCEND, Iasi, 14-18 iunie 2012	2012		10
4.	H.N.Teodorescu, <i>Noisy speech files perceptual mining for speech and noise patterns – lucrare invitata</i> , Processing Romanian in Multilingual Interoperational and Scalable Environment - PROMISE 2010, 29-31 Martie, Iași, Romania	2010		10
5.	H.N. Teodorescu, <i>Fuzzy Logic Systems as Approximators – Where Do We Stand Today? lucrarea plenara invitata</i> , SOFA - the 4 th International Workshop on Soft Computing Applications, 15-17 July 2010, Arad, Romania	2010		10
6.	H.N. Teodorescu, <i>Chaotic digital and analog generators for echolocation, Plenary Lectures, Invited Speakers</i> , ISEEE 2010, Galati, Sep. 16 - 18 2010	2010		10
7.	H. Costin, "Medical Image Processing by using Soft Computing Methods and Information Fusion", - International Conference MAMECTIS'11- Mathematical Methods, Computational Techniques and Intelligent Systems, Iasi, July 2011	2011		10
8.	Tudor Barbu. <i>Automatic Face Detection and Recognition Techniques</i> , International Conference on Automation & Information, ICAI '12, Iasi, George Enescu University, 13-15 June 2012	2012		10
9.	Tudor Barbu. <i>Robust Video Object Detection and Tracking Techniques</i> , The 3 rd International Conference for the Applied Mathematics and Informatics, AMATHI '12, Montreux, Switzerland, 29-31 Dec. 2012.	2012		10

4.26. O comunicare orală prezentată la o manifestare științifică internațională 5×(N_{ic}/N_a)

1.	H.-N. Teodorescu, Mircea Hulea, Optical Sensors based on Chaotic Systems 16th International Conference on System Theory, Control and Computing, Joint Conference SINTES 16, SACCS 12, SIMSIS 16, 12 - 14 October, Sinaia, Romania	2012	5*1/2	2,5
2.	Alina Untu (Hulea), H.-N. L. Teodorescu, Claude Duvanaud, Correlations between the Patterns in Romanian and French /V/ Fricative Pronunciations and	2012	5*1/3	2,67

	the Dentition State. Proc. 20th European Signal Processing Conference (EUSIPCO 2012) Bucharest, Romania, August 27 - 31, 2012. © EURASIP, 2012 - ISSN 2076-1465 pp. 1718-1722			
3.	Dan E. Tamir, Mark Last, Horia N, Teodorescu, Abraham Kandel, Discrete Complex Fuzzy Logic. Proc. NAFIPS North American Fuzzy Information Processing Society, Aug 6, 2012 - Aug 8, 2012, Berkeley, CA 2012 (978-1-4673-2338-3/12/) 2012 IEEE	2012	5*1/4	1,25
4.	H.-N. Teodorescu, Victor P. Cojocaru, Biomimetic Chaotic Sensors for Water Salinity Measurements and Conductive Titrimetry - Preliminary results. Proc. Third International Conference on Emerging Security Technologies IEEE EST 2012, pp. 182-185	2012	5*1/2	2,5
5.	Alina S. Hulea, H.-N. L. Teodorescu, Using quartiles of F1 in the identification of variants of /v/ in Romanian and French 16th International Conference on System Theory, Control and Computing, Joint Conference SINTES 16, SACCS 12, SIMSIS 16, 12 - 14 October, Sinaia, Romania	2012	5*1/2	2,5
6.	V. Cojocaru, H.-N. Teodorescu, Simple Chaos Generator with Robust Operation. 4th International Conference "Telecommunications, Electronics and Informatics ICTEI 2012, Chisinau, 17—20 May 2012	2012	5*3/3	5
7.	M. Rusu, H.-N. Teodorescu, A Method for Image Segmentation based on Histograms – Preliminary Results. 4th International Conference "Telecommunications, Electronics and Informatics ICTEI 2012, Chisinau, 17—20 May 2012. Proc. ICTEI2012 Int. Conf., Kishnew, R. of Moldova, pp. 351-354, 2012.	2012	5*3/3	5
8.	H.-N. Teodorescu, A. Hulea, Perception, space metrics, and data mining. Third IJAS Conference at Cambridge, Massachusetts, Harvard University. May 27 - 31, 2012, USA	2012	5*3/3	5
9.	A. Ciobanu, M. Costin, T. Barbu. Image Categorization Based on Computationally Economic Lab Colour Features, <i>Proceedings of the 5th International Workshop on Soft Computing and Applications, SOFA 2012</i> , Szeged, Hungary, 22-24 August, 2012	2012	5*3/3	5
10.	F. Rotaru, S. I. Bejinariu, C. D. Niță, M. Costin, Optic Disc Localization in Retinal Images, <i>Proceedings of the 5th International Workshop on Soft Computing and Applications, SOFA 2012</i> , Szeged, Hungary, 22-24 August, 2012, to appear in Springer	2012	5*(4/4)	5
11.	T. Barbu, A. Ciobanu, M. Costin, Automatic Color-based Image Recognition Technique using LAB Features and a Robust Unsupervised Clustering Algorithm, <i>Latest Advances in Information Science, Circuits & Systems</i> (Proceedings of ICAI 2012), pp. 140-143, June 2012,	2012	5*(3/3)	5
12.	T. Barbu, Novel Pattern-based Fingerprint Recognition Technique Using 2D Wavelet Decomposition, <i>Proceedings of The 3rd International Conference for the Applied Mathematics and Informatics, AMATHI '12</i> , Montreux, Switzerland, 29-31 Dec. 2012.,	2012	5*(1/1)	5
13.	T. Barbu, Automatic Unsupervised Shape Recognition Technique using Moment Invariants, <i>Proceedings of the 15th International Conference on System Theory, Control and Computing, ICSTCC 2011</i> , pp. 93-96, Sinaia, Romania, 14-16 Oct. 2011.,	2011	5*(1/1)	5
14.	T. Barbu, M. Costin, A. Ciobanu. Pattern-based Fingerprint Matching Approach, <i>Proceedings of International Workshop on Intelligent Information Systems, IIS 2011</i> , pp. 105-108, 12-14 September 2011, ISBN 978-9975-4237-	2011	5*(3/3)	5

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15.	M. Costin, A. Ignat, Pitfalls in using Dual Tree Complex Wavelet Transform for texture featuring: A discussion, <i>IEEE 7th International Symposium on Intelligent Signal Processing (WISP)</i> , 19-21 Sept. 2011, Floriana, Malta, ISBN: 978-1-4577-1403-0,	2011	5*(1/2)	2.50
16.	T. Barbu. Automatic Texture-based Image Segmentation Technique, <i>Proceedings of the 6th European Conference on Intelligent Systems and Technologies</i> , ECIT 2010, October 7-9, Iași, Romania, 2010, ISSN 2069-038X.,	2010	5*(1/1)	5
17.	T. Barbu, M. Costin, A. Ciobanu. Content-based Image Recognition Technique Using Area Moments, <i>Proceedings of the 4th International Workshop on Soft Computing and Applications, SOFA 2010</i> , Arad, Romania, pp. 171-174, 15-17 July 2010, ISBN: 978-1-4244-7983-2, IEEE Catalog Number: CFP1028D-CDR,	2010	5*(3/3)	5
18.	T. Barbu, M. Dragomir, An Information Retrieval System for E-Learning, <i>Proceedings of the International Multidisciplinary Scientific Geo-Conference SGEM 2010</i> , Volume 2, pp. 1033-1038, June 20-25, 2010, Albena, Bulgaria, ISBN 10: 954-91818-1-2, ISBN 13: 978-954-91818-1-4.,	2010	5*(1/2)	2,50
19.	H.N. Teodorescu, V. P. Cojocaru, <i>Complex Signal Generators based on Capacitors and on Piezoelectric Loads</i> , CHAOS 2010, 3rd Chaotic Modeling and Simulation International Conference, Chania, Crete, Greece, 1- 4 June 2010	2010	5*(1/2)	2,50
20.	H.N.Teodorescu, <i>AI Tools for Speech Analysis, ucrarea plenara</i> , European Computing Conference- ECC'10, , WSEAS Press, pp. 15, http://portal.acm.org/citation.cfm?id=184437020-22 , Bucuresti, April 20-22, 2010	2010	5*(1/1)	5,00
21.	M. Hagan, H.N.Teodorescu, A. Sîrbu, <i>Data Processing for Posturography and Gait Analysis</i> , Procedings ISEEE 2010, Galati, SBN 978-1-4244-8407-2, pp. 267-272, Galati, Sep. 16 - 18 2010	2010	5*(1/2)	2,50
22.	H.N. Teodorescu , E.-Fl. Iftene, <i>Analysis of the Code Masking Efficiency of Chaotic Clocks in Microcontroller Applications</i> , Procedings ISEEE 2010, Galati, SBN 978-1-4244-8407-2, pp. 261-266, Galati, Sep. 16 - 18 2010	2010	5*(1/2)	2,50
23.	H.N. Teodorescu, <i>O nouă clasă de circuite haotice bazate pe bucla de reacție capacitivă</i> , The 3rd International Conference “Telecommunications, Electronics and Informatics” ICTEI2010, Proceedings: Volume I, pp. 319-325, Chisinau, 20-23 May 2010	2010	5*(1/1)	5,00
24.	V. Cojocaru, H.N. Teodorescu, <i>Măsurători de directivitate asupra unii cap bio-sonar</i> , The 3rd International Conference “Telecommunications, Electronics and Informatics” ICTEI 2010, Proceedings: Volume II, pp. 312-317, Chisinau, 20-23 May 2010	2010	5*(1/2)	2,50
25.	H.N. Teodorescu, <i>Metodologie pentru construirea si analiza unui corpus adnotat de semnale vocale – cazul SRoL</i> , Conferința Internațională Resurse Lingvistice și Instrumente pentru Prelucrarea Limbii Române - ConsILR2010, 6-7 mai 2010, București, România	2010	5*(1/1)	5,00
26.	H.N. Teodorescu, A. Untu, <i>Corpus pentru gnatofonie: Protocol, Metodologie, Adnotare</i> , Conferința Internațională Resurse Lingvistice și Instrumente pentru Prelucrarea Limbii Române - ConsILR2010, 6-7 mai 2010, București, România	2010	5*(1/2)	2,50
27.	H.N. Teodorescu, <i>AI Tools for Speech Analysis Applied to the Romanian Language</i> , European Computing Conference- ECC'10, , Published by WSEAS	2010	5*(1/1)	5,00

	Press, ISSN: 1790-5117, ISBN: 978-960-474-178-6, pp. 272-279, 20-22 Aprilie, Bucuresti			
28.	A. Ciobanu, M. Costin, T. Barbu. Extraction of main colors from a digital color image, <i>Proceedings of the International Multidisciplinary Scientific Geo-Conference SGEM 2010</i> , Volume 1, pp. 1069-1076, June 20-25, 2010, Albena, Bulgaria, ISBN 10: 954-91818-1-2, ISBN 13: 978-954-91818-1-4,	2010	5*(3/3)	5
29.	T. Barbu. Automatic Skin Detection Technique for Color Images, <i>Proceedings of the International Multidisciplinary Scientific Geo-Conference SGEM 2010</i> , Volume 1, pp. 1047-1052, June 20-25, 2010, Albena, Bulgaria, ISBN 10: 954-91818-1-2, ISBN 13: 978-954-91818-1-4,	2010	5*(1/1)	5
30.	O. Baltag, <u>M. Costin</u> , S. Ojica, <u>S. Bejinariu</u> , C. Ștefănescu, Outlines on Microwave Imaging in Breast Cancer Early Detection, <i>Proceedings of the 4th International Workshop on Soft Computing and Applications</i> , SOFA 2010, pp. 131-136, ISBN: 978-1-4244-7983-2, IEEE Catalog Number: CFP1028D-CDR, Arad, Romania, 15-17 July 2010,	2010	5*(2/5)	2
31.	<u>A. Ciobanu</u> , <u>M. Costin</u> , Improved Color Analysis and Feature Extraction Method for Digital Images, <i>The 6th European Conference on Intelligent Systems and Technologies, ECIT 2010, Iasi</i> , Romania, October 2010,	2010	5*(2/2)	5
32.	Merticaru, V., Muscă, G., <u>Musca,E</u> “Researches for the Implementation of Product Data Management Skills within Engineering Education”, in <i>Proceedings of 14th International Conference on Modern Technologies, Quality and Innovation (ModTech 2010)</i> , pages. 383-386, Slanic-Moldova, ROMANIA, MAY 20-22, 2010, ISSN: 2066-3919, included in ISI Web of Knowledge of Thomson Scientific - Institute for Scientific Information (ISI), IDS Number: BRF28	2010	5x(1/3)	1,66
33.	G. MUSCA, <u>Elena MUSCĂ</u> , V. Merticaru & C. BURIAN, Implementation of Product Lifecycle Management for Design and Manufacturing Processes, <i>ModTech International Conference - New face of TMCR, Modern Technologies, Quality and Innovation - New face of TMCR</i> , Chișinău, 25-27th May, 2011, pg. 741-744.	2011	5x(1/4)	1,25
34.	Gavril Muscă, <u>Elena Muscă</u> , Iulian Filip, Increasing Performance in Training of Team Working for Implementation of Management Data Product, <i>ModTech International Conference - New face of TMCR Modern Technologies, Quality and Innovation - New face of TMCR</i> , pag. 637-640, ISSN 2069-6736, 24-26 May 2012, Sinaia, Romania	2012	5x(1/3)	1,67
35.	M. Fira, A. Brezulanu, L. Goras, L. Fira, “On the Compressed Sensing of ECG Signals and their Reconstruction using Genetic Algorithms”, <i>ECIT 2010, Iasi</i> , 2010, Romania -	2010	5*(2/4)	2.5
36.	M. Fira, L.Goras, N. Cleju, C. Barabasa, “On the Possibilities of ECG Signals Compressed Sensing”, <i>ECIT 2010, Iasi</i> , 2010, Romania, -	2010	5*(2/4)	2.5
37.	M. Fira, L. Goras, N. Cleju, C. Barabasa „On the classification of compressed sensed signals”, <i>ISSCS 2011, Iasi</i> , Romania-	2011	5*(2/4)	2.5
38.	N. Cleju, M. Fira, C. Barabasa, L. Goras, „Robust reconstruction of compressively sensed ECG patterns”, <i>ISSCS 2011, Iasi</i> , Romania	2011	5*(2/4)	2.5
39.	M. Fira, L. Goras, C. Barabasa, N. Cleju, „ECG compressed sensing based on classification in compressed space and specified dictionaries”, <i>EUSIPCO 2011, Barcelona</i> , Spania	2011	5*(2/4)	2.5

40.	Monica Fira, Liviu Goraș, Nicolae Cleju, Constantin Barabasa, “Results on ECG Compressed Sensing Using Specific Dictionaries and its Validation”, lucrare acceptata la International Conference on Information Technology Interfaces – ITI 2012, Dubrovnik, Croatia,	2012	5*(2/4)	2.5
41.	A. Brezulanu, M. Fira, „E-Heart Centre – Integrated Information System of Monitoring and Management”, Proceeding of The International Symposium on Health Informatics and Bioinformatics, (HIBIT 2012), Turcia, Nevsehir, 2012-	2012	5*(1/2)	2.5
42.	Paul Mihai Puscasu, Liviu Goras, Nonideal Behavior Of A Class Of Cellular Neural Networks, CAS Sinaia octombrie 2012,	2012	5*(1/2)	2.5
43.	Manuela Mocanu, Mihai Gurzun, Liviu Goras, Aspects Concerning Cycle-To-Cycle Jitter In A Comparator Based Relaxation Oscillator, CAS Sinaia octombrie 2012,	2012	5*(1/3)	1.66
44.	Oana Loredana Buzatu, Bogdan Tudor Goras, Liviu Goras, Emil Ghiocel Ioanid, Image Analysis Techniques For Cultural Heritage Restoration Methods Evaluation, EUSIPCO, Bucuresti, 2012,	2012	5*(1/4)	1.25
45.	C. Andriesei, V. Maftai, L. Goras, F. Temcamani, B. Delacressonniere, Practical Considerations On Using Cmos Active Inductors For Bluetooth Filters Implementation, Sarajevo Technology Forum (STF), 24-25 May, 2012, Sarajevo, Bosnia and Herzegovina, 2012,	2012	5*(1/5)	1
46.	N. Cleju, M. Fira, C. Barabasa, L. Goras, „Robust reconstruction of compressively sensed ECG patterns”, ISSCS 2011, Iasi, Romania,	2011	5*(2/4)	2.5
47.	I. Vornicu, L. Goras, “On the design of a class of CNN’s for ECG classification”, 20th European conference on circuit theory and design(ECCTD 2011), pag. 153-156.,	2011	5*(1/2)	2.5
48.	I. Vornicu, L. Goras, “On the Possibilities of Using a Class of CNN’s for Image, Processing and Classification, 20th European conference on circuit theory and design (ECCTD 2011), pag. 237-240,	2011	5*(1/2)	2.5
49.	R. Matei, L. Goras, Two-dimensional filter design based on frequency mapping of analog prototype filters, 20th European conference on circuit theory and design (ECCTD 2011), Linkoping, Sweden, pp. 326 – 329, 2011,	2011	5*(1/2)	2.5
50.	M. Pistol, M. Mocanu, R. Ghinea, L. Goras, Non-Ideal Behavior of a Comparator-Based Relaxation Oscillator, CAS 2011, Sinaia, Romania pp. 365-368,	2011	5*(1/4)	1.25
51.	C. Andriesei, N. Patache, L. Goraș, F. Temcamani, B. Delacressonniere, Considerations on the RLC model of CMOS Active Transistors Only Simulated Inductors Models, ISSCS 2011 (The 10-th International Symposium on Signals, Circuits and Systems), Iasi, Romania,	2011	5*(1/5)	1
52.	D. Costachescu, L.Goras, M. Pfof, Accurate Temperature Estimation in Large DMOS Transistors using a Semi-Empirical Thermal Conductivity Model, ISSCS 2011 (The 10-th International Symposium on Signals, Circuits and Systems), Iasi, Romania,	2011	5*(1/3)	1.66
53.	R.L. Vieriu, B. Goraș, L. Goraș, On HMM Static Hand Gesture Recognition, ISSCS 2011 (The 10-th International Symposium on Signals, Circuits and Systems), Iasi, Romania	2011	5*(1/3)	1.66
54.	Pavel Brînzoi, Liviu Goraș, Scalar Based Electrically Controlled Impedances, ISSCS 2011 (The 10-th International Symposium on Signals, Circuits and Systems), Iasi, Romania,	2011	5*(1/2)	2.5

55.	L. Goras, P.M. Pușcașu, Spatio-Temporal Dynamics in Cellular Neural Networks with Nonideal OTA'S, 2011 International Semiconductor Conference, CAS Sinaia 2011 pp 405-408.,	2011	5*(1/2)	2.5
56.	C. Andriesei, L.Goras, F. Temcamani, B. Delacressonniere, "Improved RF CMOS Active Inductor with High Self Resonant Frequency", The 17th IEEE International Conference on Electronics, Circuits, and Systems, ICECS 2010, Atena, 12-15 december 2010,	2010	5*(1/4)	1.25
57.	N. Cojan, A. Cracan, Liviu Goraș, On oscillation based filter testing, International Symposium on Electronics and Telecommunications, ISETC 2010, Ninth Edition, Timisoara, November 11-12, 2010, Proceedins, ISBN 978-1-4244-8458-4, pag. 85-88,	2010	5*(1/3)	1.66
58.	R.G. Vieru, R. Ghinea, L. Goras, "Enhanced Dual-Path Compensated Amplifier for Driving Large Capacitive Load", International Symposium on Electronics and Telecommunications, ISETC 2010, Ninth Edition, Timisoara, November 11-12, 2010, Proceedings, ISBN 978-1-4244-8458-4, pag. 39-42, 2010,	2010	5*(1/3)	1.66
59.	I.Vornicu, L. Goraș, "Image Processing using a CMOS Analog Parallel Architecture", International Semiconductor Conference (CAS 2010), 11-13 Oct. 2010, Sinaia, Romania, Proceeding, ISBN 978-1-4244-5781-6, pp. 461-464, 2010,	2010	5*(1/2)	2.5
60.	M. Zbancioc, H.N. Teodorescu, M Feraru., "Tehnici de identificare a zonelor vocalice în secvențe rostite în limba română", Conferința Resurse Lingvistice și Instrumente pentru Prelucrarea Limbii Române - ConsILR2010 ediția a VI-a, 6-7 mai 2010, București, România – versiunea finală a lucrării în volumul Lucrarile Conferinței Resurse Lingvistice și Instrumente pentru Prelucrarea Limbii Române, Editori A. Ifene, HN Teodorescu, D. Cristea, D. Tufis, Editura Universității „Al.I. Cuza”. ISSN: 1843-911X, pp. 23-34,	2010	5*3/3	5,00
61.	H.N. Teodorescu, I. Păvăloi, M. Feraru, Aspecte metodologice de organizare a datelor și de naliză statistică a vocilor emoționale, Conferința Resurse Lingvistice și Instrumente pentru Prelucrarea Limbii Române - ConsILR2010 ediția a VI-a, 6-7 mai 2010, București, România – versiunea finală a lucrării în volumul Lucrarile Conferinței Resurse Lingvistice și Instrumente pentru Prelucrarea Limbii Române, Editori A. Ifene, HN Teodorescu, D. Cristea, D. Tufis, Editura Universității „Al.I. Cuza”. ISSN: 1843-911X, pp. 35-44	2010	5*3/3	5,00
62.	Muscă G., Muscă E., Merticaru V.,” Modeling of Structure of Product and Implementation of a PDM/PLM Management Data System”, in Proceedings of International Science and Engineering Conference “ Machine Building and Technosphere of the XXI Century”, 13-18 September, Sevastopol, 2010, Tom 4 , pg. 174-180, Donetsk, Ukraina, 2010	2010	5x(1/3)	1,65
63.	Muscă G., Muscă E., Merticaru V., Filip I., “Forming the Work Team as Key Factor in Collaborative Engineering Design”, in Proceedings of International Science and Engineering Conference “ Machine Building and Technosphere of the XXI Century”, 13-18 September, Sevastopol, 2010, Tom 4 , pg. 180-185, Donetsk, Ukraina, 2010	2010	5x(1/4)	1,25
64.	Muscă G., Muscă E., Merticaru V., Filip I.,” Optimization of the Product Conception by the Method of Generating the Product Model Versions”, in Proceedings of International Science and Engineering Conference “ Machine Building and Technosphere of the XXI Century”, 13-18 September, Sevastopol, 2010, Tom 4 , pg. 185-189, Donetsk, Ukraina, 2010	2010	5x(1/4)	1,25
65.	G. MUSCĂ, ELENA MUSCĂ, V. MERTICARU, C. BURIAN, ‘Collaborative	2011	5x(1/4)	1,25

	Activities in Product Design and Forming of Work Team', International Conference And Exhibition CNC TECHNOLOGIES București, 13-15 Mai 2011, pg33-37.-			
66.	Gavril MUSCA, Elena MUSCĂ, Vasile MERTICARU & Claudiu BURIAN, Product Structure Management and Variants Editing with PLM Systems, International Conference and Exhibition CNC TECHNOLOGIES, București, 13-15 Mai 2011 pg 39-44.-	2011	5x(1/4)	1,25
67.	Gavril MUSCĂ, Elena MUSCĂ, Modeling of Mechanical Design and Manufacturing of Mechanical Products, International Science and Engineering Conference “ Machine Building and Technosphere of the XXI Century”, 17-21 September, Sevastopol, 2012, Donetsk, Ukraina.-	2012	5x(1/2)	2,5
68.	I. Păvăloi, H.N. Teodorescu, M. Feraru, Methodology and the Instrument for Statistic Analysis of the Romanian Language for a Population Selection, ECIT 2010, October 7-9, 2010, Iasi, ISSN: 2069-038X, ISBN: 9772069038003,	2010	5	5
69.	H.N. Teodorescu, M. Zbancioc, M. Feraru, “Statistical characteristics of the formants of the Romanian vowels in emotional states”, International Conference on Speech Technology and Human-Computer Dialogue SPeD 2011, 18-21.05.2011 Brasov, Romania, (IEEE Conference), ISBN: 978-1-4577-0440-6, pp.1-10, http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=592923	2011	5	5
70.	H.N. Teodorescu, M. Zbancioc, M. Feraru, “The analysis of the vowel triangle variation for Romanian language depending on emotional states”, ISSCS Conference, Iasi, Romania (IEEE Conference), 30.05-01.06.2011, ISBN: 978-1-61284-944-7, pp. 1-4, http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=5978727	2011	5	5
71.	I. Păvăloi, M. Feraru, Methodological aspects for a study of /a/ vowel in the Romanian language, International Conference on e-Health and Bioengineering, EHB, 24-26.11.2011, Iasi, Romania (IEEE Conference), ISBN 978-1-4577-0292-1, pp. 73-77	2011	5	5
72.	I. Pavaloi, F. Rotaru, “ A Study on Duration for Different Pronunciations in Emotional States”, International Conference on e-Health and Bioengineering - EHB, 24-26.11.2011, Iasi, Romania,	2011	5x(2/2)	5
73.	M. Zbancioc, M. Feraru, A Study about the Statistical Parameters Used in the Emotion Recognition, Proceedings of the 10th International Conference on Development and Application Systems, Suceava, Romania, May 17-19, 2012, ISSN: 1844-5020, pp. 187-190-	2012	5x(2/2)	5
74.	M. Zbancioc,, M. Feraru, A study on classification for the vowel signal according with emotional state based on recurrent fuzzy c-means algorithm, Proceedings of the 4th International Conference “Telecommunications, Electronics and Informatics”, Chisinau, Republica Moldova, May 17-20, 2012, ISBN: 978-9975-45-082-9, pp. 79-84-	2012	5x(2/2)	5
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155	Vasile Apopei, D. Jitcă, O. Păduraru, <i>A macroprosodic indications for a Romanian TtS system based on the functional intonation system</i> , International Conference on Human-Machine Systems, Cyborgs and Enhancing Devices HUMASCEND, June 14-16, 2012, Iasi, Romania,	2012	5*3/3	5
156	S.M. Feraru, „A study of speech on SRoL Database Compared with Russian Database”, International Conference Electronics, Computers and Artificial Intelligence, ECAI 2011, Vol. 4-No.6/2011, ISSN 1843-2115, pp. 17-22	2011	5*1/1	5
157	S.M. Feraru, “A study of the emotional expressiveness in Romanian and Spanish languages”, International Conference „INVENTICA 2011”, Ed. Performantica, ISSN 1844-7880, pp. 504-512	2011	5*1/1	5
158	S.M. Feraru, “The Emotional Prosody in Romanian Spoken Language”, International Conference „INVENTICA 2011”, Ed. Performantica, ISSN 1844-7880, pp. 496-503	2011	5*1/1	5
159	S.M. Feraru, „Emotional expressiveness in the Romanian and German language”, International Conference on e-Health and Bioengineering, Iasi, ISBN: 978-606-544-078-4, pp. 61-65 IEEE Xplore® database si in INSPEC (IET) http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=6150420	2011	5*1/1	5
160	S.M. Feraru, „The comparisons between the formants values in French and Romanian Languages”, Proceedings of the International Conference on Languages, E-Learning and Romanian Studies –Sweden, 3-5 June 2011	2011	5*1/1	5
161	S.M. Feraru, “Emotional Speech Classification for Romanian Language - Preliminary Results”, 11th International Conference on Development and Application System, Suceava, Romania, 17-19 mai 2012, ISSN: 1844-5020, pp. 158-161	2012	5*1/1	5
162	S.M. Feraru, “Emotional expressiveness in Romanian language”, International Conferences, Rovaniemi, Finland, 2012, ISBN: 978-1-61804-085-5, pp. 208-212	2012	5*1/1	5
163	Mihaela Costin, Multimedia and image influences in education: some epistemological aspects, EDU’12, in vol. Recent Researches in Communications, Information Science and Education, pag. 91-94, ISBN 978-1-61804-077-0, BDI, ACM	2012	5*1/1	5
164	Mihaela Costin, „Pitfalls in Structuring a Reliable Texture Database for Image and Video Shots Convenient Evaluation – a Cognitive Discussion” – Intern. Conf. “INTERACADEMIA 2012”, 27-30 august 2012, Vol. Inter-Academia 2012 • 11th International Conference on Global Research and Education 27–30 August, 2012 • Budapest, Hungary, pag. 181-187	2012	5*1/1	5
165	Mihaela Costin, <i>“Image, Video, Multimedia in Dynamic Virtual Museums for Sustainable Development Of Rural Regions – A Proposal”</i> - Romanian Rural Tourism in the Context of Sustainable Development. Present and Prospects XIV International Conference, Vatra Dornei, 25-27.05.2012, publicată în volumul “Turismul rural românesc în contextul dezvoltării durabile”, Romanian Rural Tourism in the Context of Sustainable Development. ISSN-L 2284-7006, Volum indexat CAB internațional	2012	5*1/1	5

	(CABI), "Imagine, video, multimedia în muzee virtuale dinamice pentru dezvoltarea durabilă a regiunilor rurale", pag. 165-174			
166	Mihaela Costin, Cognitive Aspects of Multiple Tasks and Perception: Overview and Discussion on Recent Studies, 5 th International Symposium Computational Intelligence and Intelligent Informatics, ISCIII 2011, Floriana, Malta, sept. 2011, index. BDI, IEEE, Catalog Number: CFP1136C-CDR, Proc. ISCIII 2011, ISBN: 978-1-4577-1859-5, IEEE pag. 75÷80	2011	5*1/1	5
167	Mihaela Costin, Hierarchical Knowledge in Image Processing: Data-flow Chart and Cognitive Advances, IAASAT 2011, International Conference on Advancement of Science and Applications of Technology, July 1-3, 2011, Iași. BDI, in vol. „Computational Engineering in Systems Applications”, Ed. IAASAT Press 2011, ISBN: 978-1-61804-004-5, pag. 114-119	2011	5*1/1	5
168	Mihaela Costin, Screen-frames, images and subtle influence on e-learning cognitive aspects, International Conference PSIWORLD 2011, "Psychology and the Realities of the Contemporary World", Second Edition, Bucuresti, 27-30 oct. 2011, in Elsevier, Procedia Social and Behavioral Sciences, ISSN 1877-0428, Volume 33, apr. 2012, Pages 910–914, indexată ISI Thompson.	2011	5*1/1	5
169	Mihaela Costin, <i>Fuzzy Sets in Image Processing</i> , Conferința Internațională "Significance and Interpretation within the Knowledge Based Society", Baia Mare, 26-30.10.2011, publicată în proc. conferinței, Ed. Inst. European,	2011	5*1/1	5
170	Mihaela Costin, <i>Vision: influence of cognitive aspects on image processing techniques</i> , International Conference Rethinking Politics for the Knowledge Society, 1-4.12,2011, publicată în proc. conferinței, Ed. Inst. European,	2011	5*1/1	5
171	Mihaela Costin, <i>Perception, Image Processing and Annotation in Rural Tourism Promoting in the Context of Sustainable Development</i> , Conferința Internațională TRR-2011, mai 2011, și publicată în: Turismul rural românesc în contextul dezvoltării durabile, Actualitate și perspective, Coord. I. Talabă, I. Moraru, A.P. Haller, Mirela Stanciu, D. Ungureanu, Editura Tehnopress, ISBN 978-973-730-482-7, pag. 81-88, B+.	2011	5*1/1	5
172	Mihaela Costin, „ <i>Vision, Cognitive Sciences and Multi-Frame E-learning New Directions for Rural Tourism Development</i> ”, Conferința Internațională TRR-2011, mai 2011, și publicată în Turismul rural românesc în contextul dezvoltării durabile, Actualitate și perspective, Coord. I. Talabă, I. Moraru, A.P. Haller, Mirela Stanciu, D. Ungureanu, Editura Tehnopress, ISBN 978-973-730-482-7, pag. 52-58, B+.	2011	5*1/1	5
173	Mihaela Costin, <i>Tips on Multi-Task Learning Using Screen Images: Long and Short Term Memory</i> , Fourth Edition of International Conference on Applied Psychology, Intensive and Extensive Evolution, Sucevița, România, 23-25 sept. 2011 publicată în volumul: "Psihologie Aplicată: Dezvoltare intensivă și extensivă", Editor: Aurel Stan, pag. 159-170, Editura ΨColecția PSIHLOGIA MODERNĂ ISBN- 978-606-8164-25-0	2011	5*1/1	5

4.27. O comunicare orală prezentată la o manifestare științifică națională - $2 \times (N_{ic}/N_a)$

1.	T. Barbu. <i>Multiple Video Object Detection and Tracking Approach for Sonar Movie Sequences</i> , Zilele Academice Iesene, 2011	2011	2/1*1	2
2.	A. Ciobanu, M. Costin. <i>Trăsături de culoare performante obținute prin aplicarea momentelor în spațiul de culoare CIELAB</i> , Zilele Academice Iesene, 2011	2011	2/2*2	2
3.	A. Ciobanu, M. Costin, T. Barbu. <i>Rezultate îmbunătățite în recunoașterea bazată pe trăsăturile de culoare din spațiul LAB</i> , Zilele Academice Iesene, 2012	2012	2/3*3	2
4.	A. Ciobanu, M. Costin. <i>Trăsături de culoare bazate pe spațiul de culoare LAB</i> , Workshop internațional "Cooperări interacademice în domeniul informaticii" România - Republica Moldova, 2-3 octombrie 2012, Iași, România, 2012	2012	2/2*2	2
5.	S.I. Bejinariu, F. Rotaru, C. D. Nita, "Image fusion on multi-core systems", Workshop Internațional - Cooperări Interacademice în Domeniul Informaticii, România - Republica Moldova, 2 Octombrie 2012, Iași, România, 2*3/3=2,00	2012	2/3*3	2

6.	N. Curteanu, C. Bolea, Part-Of-Focus Textual Annotation Coupled with Intonation Patterns, Simpozionul Sisteme Inteligente și Aplicați, Zilele Academice Iesene, SIA 2011, 2*2/2=2,00	2011	2/2*2	2
7.	C.Niță, "A Review: Generation Methods of THz Radiation", Workshop Internațional - Cooperări Interacademice în Domeniul Informaticii, România - Republica Moldova, 2 Octombrie 2012, Iași, România, 2*1/1=2,00	2012	2/1*1	2
8.	S. Bejinariu, A. Ciobanu. <i>DocExplorer Document Management System</i> , Workshop internațional "Cooperări interacademice în domeniul informaticii" România - Republica Moldova, 2-3 octombrie 2012, Iași, România, 2012, 2*2/2=2,00	2012	2/2*2	2
9.	C. D. Niță, S. Bejinariu, H.N.Teodorescu, Modele ale atenuării radiațiilor electromagnetice IR în funcție de vizibilitate, Simpozionul SISTEME INTELIGENTE ȘI APLICAȚII, Iași, 15-16 Septembrie 2011, 2*3/3=2,00	2011	2/3*3	2
10.	S. Bejinariu, F. Rotaru, C. D. Niță, R. Luca, Îmbunătățirea imaginilor prin metode de fuziune. Simpozionul SISTEME INTELIGENTE ȘI APLICAȚII, Iași, 15-16 Septembrie 2011,2,00	2011	2/4*4	2
11.	Alina V. Manole, Dumitru Luca, M. Costin, S.I.Bejinariu, C. D. Niță, "Surface Study of Doped TiO2 Thin Films Using Image Processing Techniques", Simpozionul SISTEME INTELIGENTE ȘI APLICAȚII, Iași, 18+19 Octombrie 2012, 2*3/5=1,20	2012	2*3/5	1.20
12.	S.I. Bejinariu, Fl. Rotaru, C.D.Nita, R. Luca, "Calcul paralel în fuziunea imaginilor", Simpozionul SISTEME INTELIGENTE ȘI APLICAȚII, Iași, 18+19 Octombrie 2012, 2*4/4=2,00	2012	2/4*4	2
13.	S.I.Bejinariu, R. Luca, A. Ciobanu, "DocExplorer - Organizarea documentelor în biblioteca electronica", Simpozionul SISTEME INTELIGENTE ȘI APLICAȚII, Iași, 18+19 Octombrie 2012, 2*3/3=2,00	2012	2/3*3	2
14.	C.D. Niță, R.Luca, "Metode de generare a undelor THz și aplicații", Simpozionul SISTEME INTELIGENTE ȘI APLICAȚII, Iași, 18+19 Octombrie 2012, 2*2/2=2,00	2012	2/2*2	2
15.	O. Agrigoroaiei, Causality in Multiset Rewriting Systems (Causalitate în Sisteme de Rescriere peste Multiseturi)	2012	2/1*1	2
16.	Andrei Alexandru, <i>Nominal Multisets (Multiseturi Nominale)</i>	2012	2/1*1	2
17.	M. Zbancioc, M. Feraru, Analiza performanțelor algoritmului de clusterizare nesupervizată FCM comparativ cu KNN	2012	2/2*2	2
18.	I. Pavaloi, L. Pistol, <i>Metodologie de analiza microacustică a vocalelor limbii române, în funcție de stările emoționale exprimate și în funcție de contextul în care apare în propoziție</i>	2012	2/2*2	2
19.	M.Fira, <i>Detecția potentialului evocat P300 pe semnalul EEG</i>	2012	2/1*1	2
20.	M.Fira, Metode moderne de procesare a semnalului EEG și analiza robusteții potentialului P300	2012	2/1*1	2
21.	S.M. Feraru, Expresivitatea emotivă în limba română corelată cu parametri paralingvistici, Congresului Internațional al Universității Apollonia, Ediția a XXII-a, 01 March 2012, Iași, România	2012	2/1*1	2

² Se vor lua în considerare următoarele edituri străine: Academic Press, Appleton & Lange, Birkhauser, Blackwell, Cambridge University Press, CRC Press, Elsevier, Garland Publishing, Kluwer Academic Publishers, McGraw-Hill, Mosby, Nova Science Publishers, Oxford University Press, QMP, Springer Verlag, Thieme, Willey-Liss, Williams and Wilkins, World Scientific Publishing, alte edituri straine de aceeași anvergură.

³ Pentru fiecare articol se va lua în calcul factorul de impact (FI) al revistei împărțit la numărul total de autori (N_a) și înmulțit cu numărul de autori din institutul/centrul evaluat (N_c). Factorul de impact este publicat anual de *Web of Knowledge, Journal Citation Report* (Thomson Reuters), iar pentru calcul se va utiliza valoarea corespunzătoare anului apariției articolului.

⁴ Pentru revistele din domeniile: Botanică, Zoologie, Ecologie, Agronomie etc., al căror FI este $\leq 2,0$ punctajul total se înmulțește cu 1,5.

⁵ Punctajul total va fi suma punctajelor unitare rezultate prin calcul.

⁶ Pentru domeniul Științe Agricole produsele sunt soiuri noi de plante, hibrizi etc., iar punctajul unitar va fi 30.

n = număr programe, tratate, cărți, monografii, lucrări, citări etc.; FI = factor de impact; N_{ic} = număr autori din institut/centru; N_a = număr total de autori; N_p = număr pagini capitol; N_{ip} = număr total de pagini volum.

⁷ Se vor lua în considerare cărțile științifice de autor ce apar în evidența Bibliotecii Naționale.

n = număr programe, tratate, cărți, monografii, lucrări, citări etc.; FI = factor de impact; N_{ic} = număr autori din institut/centru; N_a = număr total de autori; N_p = număr pagini capitol; N_{ip} = număr total de pagini volum.

5. Capacitatea de a atrage fonduri de cercetare (20%)

5.1. Un grant câștigat de către institut/centru de la organizații internaționale

- 1. PN-II-RU-TE-2012-3-0302** : HUMANDETRAR – *Computer vision system for HUMAN Authentication, DEtection, TRacking and Action Recognition*; Director – **Tudor Barbu**; Finantare: 200001 - 1000000 EUR. – proiect declarat eligibil, apreciat favorabil de evaluatorii externi, asteapta decizia finala in termen de cateva zile. **Punctaj =8**

5.2. Un grant câștigat de către institut/centru de la organisme naționale

Nr. crt	Contract or	Proiect	durata	Valoare [RON]	Pct .
1.	PNCDI2	Capete SONAR bio-mimetice adaptive pentru vehicule autonome, Director proiect: H.N. Teodorescu	2010	24291	2
2.	PNCDI2	Capete SONAR bio-mimetice adaptive pentru vehicule autonome, Director proiect: H.N. Teodorescu	2011	36056	2
3.	ANCS	PNII - Capacitati - Modul III - Proiect cooperare bilaterala cu R.Moldova, MIACSAM , Director proiect: H.N. Teodorescu	2010	1808,71	1
4.	ANCS	PNII - Capacitati - Modul III - Proiect cooperare bilaterala cu R.Moldova, MIACSAM , Director proiect: H.N. Teodorescu	2011	3859	1
5.	ANCS	PNII - Capacitati - Modul III - Proiect cooperare bilaterala cu R.Moldova, MIACSAM , Director proiect: H.N. Teodorescu	2012	3028	1
6.	PNCDI2	BCISIS-Sistem de Investigație, Asistare și Control al Afecțiunilor Neurologice Bazat pe Interfața Creier-Calculator - Coordonator IIT: Liviu Goras	2009 2011	2010- 2011: 74995	2
7.	- PN II - Resurse Umane UEFISCD I	PostDoctorala, POSIBILITATI DE PROCESARE A SEMNALELOR MEDICALE BAZATE PE DICTIONARE SPECIFICE, Director proiect: Monica Fira	2010 - 2012	255188	3
8.	IDEI PN- II	ID-PCE-2011-3-0919, "Calcul membranar si formalisme inspirate din biologie: calculabilitate, complexitate, cauzalitate", Director proiect: Gabriel Ciobanu	2011 2012	35954; 458700	3
9.	PNII - Parteneriate in domeniile prioritare - PC, CNMP	eDTLR - Dicționarul Tezaur al Limbii Române în format electronic, Director proiect: H.N. Teodorescu	2010	35321	2
10.	PNII - Parteneriat e în domeniile prioritare - PC, CNMP	INTELCHIM-Modelare și conducere automată utilizând instrumente ale inteligenței artificiale pentru aplicații în chimie și inginerie de process, Director proiect: N. Curteanu	2010	2500	1
11.	PNII-RU- PD, UEFISCS U	Aplicație de interpretare automata a limbajului natural folosind roluri semantice, Director proiect: D. Trandabăț	2011	2500	1
12.	PNII-RU- PD, UEFISCS	Aplicație de interpretare automata a limbajului natural folosind roluri semantice, Director proiect: D. Trandabăț	2012	66700	2

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5.3. Un contract extrabugetar obținut de către institut/centru de la organizații internaționale sau naționale

5.4. O manifestare științifică (congres, conferință, simpozion) sau școală de vară internațională organizată de institut

Nr. crt	Denumirea	Perioada	Locul desfășurării
1	ECIT 2010 - The 6th European Conference on Intelligent Systems and Technologies	October 7-9, 2010	Iași, Romania
2	CONSILR 2010- Conferința Internațională "Resurse Lingvistice și Instrumente pentru Prelucrarea Limbii Române	May 6-7, 2010	București, Romania
3	SOFA 2010 – The 4th International Workshop on Soft Computing and Applications	July 15-17 2010	Arad, Romania
4	SPED 2011 – The 6th International Conference on Speech Technology and Human-Computer Dialogue	May 18-19, 2011	Brașov, Romania
5	EHB 2011- Conference on E-Health and Bioengineering	Nov. 24-26,2011	Iași, Romania
6	CONSILR 2011- Conferința Internațională "Resurse Lingvistice și Instrumente pentru Prelucrarea Limbii Române	Dec. 8-9, 2011	București, Romania
7	CONSILR 2012- Conferința Internațională "Resurse Lingvistice și Instrumente pentru Prelucrarea Limbii Române	26-27 apr 2012	București, Romania

5.5. O manifestare științifică (congres, conferință, simpozion) sau școală de vară națională organizată de institut

Nr. crt	Denumirea	Perioada	Locul desfășurării
1	Simpozionul „Sisteme Inteligente și Aplicații”- SIA 2011	16 sep., 2011	Iași, Romania
2	Workshop “Cooperari interacademice în domeniul informaticii între Institutul de Informatică Teoretică al Academiei Române și Institutul de Matematică și Informatica al Academiei Republicii Moldova”	2-5 octombrie 2012	Iași, Romania
3	Simpozionul „Sisteme Inteligente și Aplicații”- SIA 2012	19 oct., 2012	Iași, Romania

6. Capacitatea de a dezvolta servicii, tehnologii, produse (10%)

6.1. Un brevet acordat

a. la nivel internațional 10

b. la nivel național 5

1. *Intrumente pentru Analiza Limbii Vorbite - Analiv, înregistrare la ORDA, nr. 11959/06.05.2010, Colectiv de cercetare: Teodorescu H.N., Pavaloi I., Zbancioc M., Feraru M., Pistol L.*
2. *Teoria lingvistică și strategia de parsare SCD (Segmentare-Coeziune Dependența) pentru textul general de limbaj natural, de tip narativ, înregistrare la ORDA, nr. 9133/25.07.2011, Curteanu N.*
3. *Modelare lexicografică și strategia de parsare SCD (Segmentare-Coeziune Dependența) pentru textul de limbaj natural al intrărilor în unele dicționare- tezaur din limbile română, franceză, germană și rusă, înregistrare la ORDA, nr. 9134/25.07.2011, Curteanu N.*
4. *Pachet de programe in limbaj masina pentru generarea de semnale pseudo-haotice cu microcontrolere- SePHaMi, Colectiv de cercetare: Teodorescu H.N., Iftene F. - înregistrare la ORDA, nr. 14229/21.11.2011*
5. *Programe de calculator pentru modelarea prin funcții spline și prin interpolatori / extrapolatori fuzzy a atenuării undelor în funcție de lungimea de undă și de vizibilitatea atmosferică –*

MOSIEFAU, Colectiv de cercetare: Teodorescu H.N., Bejinariu S., Niță C. - înregistrare la ORDA, nr. 14625 /30.11.2011

Cerere de brevet de invenție la **OSIM** în curs de desfășurare:

1. Nr. OSIM:A/01218/26.11.2010, Metoda de generare și generator de serii de timp cu perioada mare, prof. dr. ing. Horia-Nicolai Teodorescu m.c.A.R
2. Cerere brevet OSIM nr: A/00944/ 26.09.2011, Titlul: Metoda și Dispozitiv Electronic Portabil cu Consum Redus pentru Compresia și Stocarea Semnalului ECG bazat pe Achiziția Comprimită, Inventatori: Barabasa Constantin, **Catalina Monica Fira**, Cleju Nicolae, **Liviu Goras**

6.2. Un brevet aplicat

- a. la nivel internațional 20
- b. la nivel național 10

6.3. Un brevet citat în *Web of Science* (Thomson Reuters) 5

Nr. Crt	Număr brevet în care este citat	Brevet citat	Autori
1	United States Patent 7,811,234, McGrath October 12, 2010 Remote-sensing method and device, Inventors:McGrath; William R. (Monrovia, CA), Assignee:California Institute of Technology (Pasadena, CA)	USA 6011477	<u>H.N.Teodorescu</u>
2	United States Patent 7,803,119,Reisfeld September 28, 2010 Respiration-based prognosis of heart disease, Inventors: Reisfeld; Daniel (Tel Aviv, IL), Assignee: Widemed Ltd. (Herzlia, IL)	USA 6011477	<u>H.N.Teodorescu</u>
3	United States Patent 7,803,118, Reisfeld ,et al. Sept.28, 2010, Detection of heart failure using a photoplethysmograph, Inventors: Reisfeld; Daniel (Tel Aviv, IL), Sberro; Hila (Tel Aviv, IL) Assignee: Widemed Ltd. (Herzlia, IL)	USA 6011477	<u>H.N.Teodorescu</u>
4	United States Patent 7,794,406, Reisfeld et al. Sept. 14, 2010 Detection of cardiac arrhythmias using a photoplethysmograph , Inventors: Reisfeld; Daniel (Tel Aviv, IL), Kogan; Simon (Nahariya, IL), Assignee: Widemed Ltd. (Herzlia, IL)	USA 6011477	<u>H.N.Teodorescu</u>
5	United States Patent 7,793,882, Reinsel, et al. Sept. 14, 2010 Electronic dispenser for dispensing sheet products, Inventors: Reinsel; Christopher M. (Neenah, WI), Geddes; Daniel J. (Appleton, WI), Kane; William J. (Sutton, MA), Assignee: Georgia-Pacific Consumer Products LP (Atlanta, GA)	USA5986549	<u>H.N.Teodorescu</u>
6	United States Patent 7,789,837, Lehrman , et al. Sept.7, 2010 System and method for treating obstructive sleep apnea, Inventors: Lehrman; Michael L. (Washington, DC), Halleck; Michael E. (Longmont, CO), Assignee: iLife Systems, Inc. (Dallas, TX)	USA 6011477	<u>H.N.Teodorescu</u>
7	United States Patent 7,782,175, Stratmann, August 24, 2010 Switch acting in a contactless fashion, Inventors: Stratmann; Christoph (Essen, DE), Assignee: K.A. Schmersal Holding KG (DE)	USA5986549	<u>H.N.Teodorescu</u>
8	United States Patent 7,733,233, O'Shea , et al. June 8, 2010 Methods and systems for monitoring position and movement of human beings, Inventors:O'Shea; Michael D. (Neenah, WI), Clement; Gary A. (Menasha, WI), Madsen; Gary F. (Greenville, WI), Onderko; John C. (Appleton, WI), Mingerink; Corey B. (Appleton, WI), Buss; Scott J. (Appleton, WI), Carey; Brian J. (Neenah, WI), Lindsay; Jeffrey D. , (Appleton, WI) Assignee: Kimberly-Clark Worldwide, Inc. (Neenah, WI)	USA 6011477	<u>H.N.Teodorescu</u>
9	United States Patent 7,701,338, Kamizono, et al. April 20, 2010 Occupant detection system and method of determining occupant, Inventors: Kamizono; Tsutomu (Nagoya, JP), Nishio; Eiichi (Nagoya,	USA 5986549	<u>H.N.Teodorescu</u>

	JP), Assignee: Denso Corporation (Kariya, JP)		
10	United States Patent 7,690,259, Bui , et al. April 6, 2010 Integrated ultrasonic inspection probes, systems, and methods for inspection of composite assemblies, Inventors: Bui; Hien T. (Auburn, WA), Young; Fred D. (Bellevue, WA), Lee; Mark A. (Kent, WA), Krotzer; Richard C. (Enumclaw, WA), Uyehara; Clyde T. (Kent, WA), Fetzer; Barry A. (Renton, WA), Assignee: The Boeing Company (Chicago, IL)	USA 5986549	H.N.Teodorescu
11	United States Patent 7,674,230, Reisfeld March 9, 2010 Sleep monitoring using a photoplethysmograph, Inventors: Reisfeld; Daniel (Tel Aviv, IL), Assignee: Widemed Ltd. (Herzlia, IL)	USA 6011477	H.N.Teodorescu
12	United States Patent 7,671,740, Petereit , et al. March 2, 2010 Capacitive transmitter electrode, Inventors: Petereit; Andreas (Schweich, DE), Schlee; Thomas (Trier, DE), Wendt; Christoph (Trier, DE), Huegens; Emmanuel (Arlon, DE), Clos; Harald (Saarbrucken, DE) Assignee: IEE International Electronics & Engineering S.A. (LU)	USA 6011477	H.N.Teodorescu
13	United States Patent 7,640,811, Kennedy , et al. Jan. 5, 2010 Ultrasonic inspection apparatus, system, and method, Inventors: Kennedy; James C. (Renton, WA), Little; Mark L. (Auburn, WA), Uyehara; Clyde T. (Kent, WA), Assignee: The Boeing Company (Chicago, IL)	USA 5986549	H.N.Teodorescu
14	United States Patent 7,640,810, Kennedy , et al. January 5, 2010 Ultrasonic inspection apparatus, system, and method	USA 5986549	H.N.Teodorescu
15	United States Patent 7,671,740, Petereit , et al. March 2, 2010 Capacitive transmitter electrode	USA 6011477	H.N.Teodorescu
16	United States Patent 8,052,612, Tang , et al. November 8, 2011 Respiration monitoring system, Inventors: Tang; Chien-Fa (Taipei Hsien, TW), Huang; Ching-Tang (Taipei Hsien, TW) Assignee: Taiwan Textile Research Institute (New Taipei, TW)	USA 6011477	H.N.Teodorescu
17	United States Patent 8,031,080, Price , et al. October 4, 2011, Patient support surface with vital signs sensors, Inventors: Price; James H. (Mount Pleasant, SC), Taylor; Geoffrey Locke (Winnipeg, CA), Thomas; James Milton Cherry (Mt. Pleasant, SC), Stolpmann; James R. (Bakersville, NC), Caldwell; Karl (Summerville, SC), Repik; Marla (Charleston, SC), Bries; Nick (Charleston, SC), Mensching; Kerry J. (Mount Pleasant, SC), Assignee: Hill-Rom Services, Inc. (Batesville, IN)	USA 6011477	H.N.Teodorescu
18	United States Patent 8,026,729, Kroh , et al. September 27, 2011 System and apparatus for in-vivo assessment of relative position of an implant, Inventors: Kroh; Jason (Villa Rica, GA), Cros; Florent (Decatur, GA), Courcimault; Christophe (Avondale Estates, GA), Assignee: CardioMEMS, Inc. (Atlanta, GA)	USA 5986549	H.N.Teodorescu
19	United States Patent 7,878,446, Reinsel , et al. February 1, 2011, Dispenser housing with motorized roller transport, Inventors: Reinsel; Christopher M. (Neenah, WI), Gennrich; David J. (Middleton, WI), Kallsen; Kent J. (Jefferson, WI), Assignee: Georgia-Pacific Consumer Products LP (Atlanta, GA)	USA 5986549	H.N.Teodorescu
20	United States Patent 8281433, Riley , et al. October 9, 2012, Apparatuses for supporting and monitoring a person	USA 6011477	H.N.Teodorescu
21	United States Patent 8258932, Wahlstrom, September 4, 2012, Occupant detection system for vehicle	USA 5986549	H.N.Teodorescu
22	United States Patent 8,237,451, Joy , et al. August 7, 2012 Communicating with an implanted wireless sensor	USA 5986549	H.N.Teodorescu
23	United States Patent 8161826, Taylor. April 24, 2012 Elastically stretchable fabric force sensor arrays and methods of making, Inventors: Taylor; Geoffrey L. (Winnipeg, CA), Assignee: Stryker Corporation (Kalamazoo, MI)	USA 6011477	H.N.Teodorescu
24	United States Patent 8,160,718, Khodak , et al., April 17, 2012, Method and apparatus for performing warming therapy utilizing matrix heating, Inventors: Khodak; Andrei (Hatfield, PA), Sabota; Peter D. (Warminster,	USA 6011477	H.N.Teodorescu

	PA) Assignee: Draeger Medical Systems, Inc. (Telford, PA)		
25	United States Patent 8,160,718, Khodak , et al. April 17, 2012 Method and apparatus for performing warming therapy utilizing matrix heating, Inventors: Khodak; Andrei (Hatfield, PA), Sabota; Peter D. (Warminster, PA), Assignee: Draeger Medical Systems, Inc. (Telford, PA)	USA 6011477	<u>H.N.Teodorescu</u>
26	United States Patent 8,111,165, Ortega , et al. February 7, 2012 Active on-patient sensor, method and system, Inventors: Ortega; Giovanni M. (Arlington, VA), Sciarra; Michael J. (Fairfield, CT) Assignee: Orthocare Innovations LLC (Oklahoma City, OK)	USA 6011477	<u>H.N.Teodorescu</u>
27	United States Patent 8,102,269, Boehm , et al. January 24, 2012 Approach warning system for detecting when a person approaches an object, particularly a machine, Inventors: Boehm; Alfred (Viechtach, DE), Binder; Wilhelm (Tiefenbach, DE), Keller; Valeri (Deggendorf, DE) Assignee: Bartec Benke GmbH (Reinbek/Hamburg, DE)	USA 5986549	<u>H.N.Teodorescu</u>
28	United States Patent 8,094,013, Lee , et al. January 10, 2012, Baby monitoring system, Inventors: Lee; Taek Kyu (La Mirada, CA), Han; Min Soo (Irvine, CA), Appl. No.: 12/415,035	USA 6011477	<u>H.N.Teodorescu</u>

6.4. Produse și tehnologii rezultate din activități de cercetare bazate pe omologări sau inovații proprii (produs vândut, sume încasate)⁶ 20

6.5 Un laborator de cercetare-dezvoltare acreditat 20

6.6 Studii de impact și servicii comandate de un beneficiar 5

7. Capacitatea de a pregăti superior tineri cercetători (doctorat, post-doctorat) (10%)

7.1 Institutul/centrul are dreptul de a conduce doctorate da 20 20

7.2. Conducător de doctorat care activează în institut/centru 2 20 40

Domeniu: Inginerie Electronică și Telecomunicații

- Prof dr. Horia Nicolai Teodorescu mc.-

Domeniu: Informatică

- CS I dr. Gabriel Ciobanu

7.3. Doctoranzi în cadrul institutului

Domeniu: Inginerie Electronică și Telecomunicații

Conducător: Prof.dr. **Horia-Nicolai Teodorescu** m.c.A.R.

1.. **Silviu Bejinariu**, Admis: 14.10.2009, Temă: *Contribuții la eficientizarea unor metode și aplicații de fuziune a datelor în procesarea informațiilor multidimensionale.*

2. **Adrian Ciobanu**, Admis: 14.10.2009, Temă: *Contribuții privind metodele de extragere de caracteristici de culoare, textură și formă pentru indexarea și regăsirea imaginilor în colecții masive.*

3. **Ramona Luca**, Admis: 14.10.2009, Temă: *Contribuții la utilizarea logicilor multivalente și fuzzy pentru evaluarea resurselor web.*

4. **Cristina Niță**, Admis: 01.10.2010, Temă: *Modelarea proceselor de propagare și interacțiune cu mediul a undelor pentru aplicații de imagistică și de măsurare.*

5. **Ioan Păvăloi**, Admis: 01.10.2010, Temă: *Contribuții la analiza și clasificarea semnalelor biologice – metode deterministice și statistice*

Domeniu: Științe exacte - Informatică.

Conducător: C.S. I dr. **Gabriel Ciobanu**

6. **Cristian Văideanu**, Admis: 01.11.2008., Temă: *Aspecte metrice și topologice în sisteme distribuite*

7. **Armand Stefan Rotaru**, Admis: 0.1.11.2011, Temă: *Modelarea interacțiunii om-calculator folosind algebre de proces.*

8. **Laura Pistol**, admis la doctorat pe data 01.11.2011 în cadrul Universității „Al I. Cuza” din Iași, Coordonatori Prof.dr. **Dan Crsitea** și Prof. dr. **Corneliu Burileanu**, Tema: *Language Modelin for Large-Vocabulary Continuous Speech Recognition. Application for Romanian*

7.4. Un post-doctorand

1. Fira Monica - Proiect de cercetare PostDoctorala – PN II – Resurse Umane UEFISCDI, Titlu proiect: POSIBILITATI DE PROCESARE A SEMNALELOR MEDICALE BAZATE PE DICTIONARE SPECIFICE, perioada 2010 – 10.12.2012
2. Diana Trandabăț - Proiect de cercetare PostDoctorala – PN II – Resurse Umane UEFISCDI, Titlu proiect: Aplicație de interpretare automată a limbajului natural folosind roluri semantice, perioada 2011 – 2012
3. Mihaela Costin , Proiect de cercetare PostDoctorala: Academia Română, Filiala Iași, Titlu Proiect: „Științe cognitive, inteligență artificială, epistemologie - implicații moderne în procesarea de imagini și vederea artificială”, perioada 1 aprilie 2011-30 martie 2013
4. Monica Silvia Feraru , Proiect de cercetare PostDoctorala: Academia Română, Filiala Iași, Titlu Proiect: „Noi tehnici de analiză, identificare și clasificare a expresivității emotive pentru limba română, corelate cu parametri paralingvistici”, perioada 1 aprilie 2011-30 martie 2013

7.5. Un cercetător angajat în institut/centru care a obținut titlul de doctor în perioada de evaluare

1. **Oana Agrigoroaiei**, susținere 29.10.2012, Teză: *Cauzalitate și coordonare în sisteme bazate pe interacțiuni*, Domeniu: Informatică., Conducător: C.S. I dr. **Gabriel Ciobanu**
2. **Andrei Alexandru**, susținere 29.10.2012, Teză: *Analiza algebrică și procesarea datelor în sisteme web*, Domeniu: Informatică., Conducător: C.S. I dr. **Gabriel Ciobanu**
3. **Alex-Mihai Moruz**, a susținut teza de doctorat 24.09. 2011 în cadrul Universității „Al I. Cuza”, Teza: *PREDICATION DRIVEN TEXTUAL ENTAILMENT*, Domeniu: Informatică , Conducător: prof. dr. Dan Cristea
4. **Diana Trandabat**, a susținut teza de doctorat 18.05.2010, în cadrul Universității „Al I. Cuza”, Teza: *Natural Language Processing Using Semantic Frames*, Domeniu: Informatică, Conducător: prof. dr. Dan Cristea
5. **Marius-Dan Zbancioc** a susținut teza de doctorat în anul 2010 în cadrul Universității Tehnice "Gheorghe Asachi", Titlu teza: „Noi metode de caracterizare prin trăsături a semnalelor mono și bidimensionale în vederea creșterii performanțelor recunoașterii automate” domeniu: Știința Calculatoarelor, Conducător: prof. dr. Octav Brudaru
6. **Cristian Rotariu** a susținut teza de doctorat pe data de **24.09.2010** în cadrul Universității Tehnice "Gheorghe Asachi", Titlu teza: „*MONITORIZAREA DE LA DISTANȚĂ A PARAMETRIILOR VITALI FOLOSIND SISTEME ÎNGLOBATE* ” domeniu: Știința Calculatoarelor, Conducător: prof. dr Vasile Manta

8. Prestigiu științific (toată perioada de activitate) (20%)

8.1. Un membru în colectivul de redacție al unei reviste naționale/internaționale (cotată de *Web of Science*, Thomson Reuters sau indexată într-o BDI) sau în colectivul editorial al unor edituri internaționale consacrate²

Prof. dr. H.N. Teodorescu

1. International Journal of General Systems (ISI), Membru colectiv de redacție
2. Int. Journal of Advanced Intelligence Paradigms, Membru colectiv de redacție
3. Int J. Intelligent Defence Support Systems, Membru colectiv de redacție
4. Journal of Romanian Medical Dentistry , Membru colectiv de redacție
5. ROMJIST, Romanian Journal for Information Science, Romanian Academy, Membru colectiv de redacție

6. Proceedings of the Romanian Academy Series A, Membru colectiv editorial
- b. Membri în colectivele de redactie ale revistelor recunoscute national (din categoria B în clasificarea CNCSIS)
7. Fuzzy Systems & AI - Reports and Letters (Academia Romana), Editor principal
8. NOESIS, Academia Romana, Membru colectiv de redactie
9. NOEMA, Academia Romana, Membru colectiv de redactie
10. Memoirs of the Scientific Sections of the Romanian Academy, Academia Romana, Editor principal
11. Buletinul Institutului Politehnic Iasi, Membru colectiv de redactie
12. Computer Science Journal of Moldavia, Membru colectiv de redactie
13. Computer Science Journal of Moldavia, Membru colectiv de avizare
14. Scientific Annals of Computer Science, Membru în colectivul de conducere
15. Acta Technica Napocensis, Membru colectiv de redactie
16. Acta Technica Napocensis, Membru colectiv de redactie

CS I Gabriel Ciobanu –

17. Editor Scientific Annals of Computer Science, indexata DBLP,
18. membru in colectivul de redactie ROMJIST, cotata ISI,
19. membru in colectivul de redactie Computer Science Journal of Moldova, indexata DBLP,

CS II Hariton Costin

20. International Journal of Computers, Communications & Control (IJCCC) (<http://journal.univagora.ro/>), Oradea, Romania, with JCR Impact Factor.
21. Advances in Electrical and Computer Engineering (<http://www.aece.ro/>), Suceava, Romania, with JCR Impact Factor.
22. Egyptian Computer Science Journal, ECSJ. <http://elearn.shams.edu.eg/ecs>, Cairo, Egypt, with impact factor on <http://arnetminer.org/>

8.3. Un membru al Academiei Române

- Prof. dr. Horia Nicolai Teodorescu **20 puncte**

8.4. Un cercetător cu un indice Hirsch peste 8

1. prof. dr H.N. Teodorescu h-index>8
2. CS I Gabriel Ciobanu – h-index > 8
3. prof. dr. Liviu Goraș –h+index>8

8.5. Un membru de onoare (*fellow, senior*) al unei societăți științifice naționale/internaționale

1. HN Teodorescu, IEEE Senior member

8.7. Un premiu (distincție) al unei societăți științifice naționale obținut printr-un proces de selecție

1. Diploma & Golden Medal, The 14th International Salon of Research, Innovation and Technological Transfer, 9 - 11 iunie, INVENTICA 2010, *Intrumente pentru Analiza Limbii Vorbite – AnaLiV*, Author(s): H.N.Teodorescu, I. Pavaloi, M. Zbancioc, M. Feraru, L. Pistol
2. Diploma of Honour - The XV-th International Exhibition of Research, Innovation and Technological Transfer - INVENTICA 2011, Iasi, Romania, 8-10 June 2011, *Generating Method and Generator for Time Series with Long Periods*, Author(s): Horia-Nicolai Teodorescu
3. Diploma & Gold Medal "Henri Coanda" - The XV-th International Exhibition of Research, Innovation and Technological Transfer - INVENTICA 2011, Iasi, Romania, 8-10 June 2011, *A tool of the statistical, parameters extraction from emotional sounds for romanian language*, Author(s): Marius Zbancioc, Monica Feraru
4. Diploma of Honour offered to Institute of Computer Science of the Romanian Academy, The XV-th International Exhibition of Research, Innovation and Technological Transfer - INVENTICA 2011, Iasi, Romania, 8-10 June 2011, *Software Invention* - Diploma & Silver Medal, EUROINVENT, 14

- May 2011 , Author(s): M. Zbancioc, M. Feraru, H.N. Teodorescu, V. Apopei, S. Bejinariu, R. Luca, C. Bulancea, M. Roman
5. Special Diploma and Scientific Order LEONARDO DA VINCI for the promotion of creativity - EUROINVENT, 14 May 2011, Author(s): Horia-Nicolai Teodorescu
 6. Diploma & Gold Medal - EUROINVENT, 14 May 2011, *Generating Method and Generator for Time Series with Long Periods*, Author(s): Horia-Nicolai Teodorescu
 7. GRAND PRIZE of Technical University of Moldova, *Generating method and generator for time series with long periods*, Author(s): Horia Nicolai Teodorescu, 2011
 8. Diploma - Universitatea de Stat de Medicina si Farmacie "Nicolae Tesmitanu", *Metoda de generare si generatoare pentru semnale perioadice cu perioada foarte mare*, Author(s): Horia-Nicolai Teodorescu, 2011
 9. Soft – gold medal, EUROINVENT 2012, *Wave attenuation modeling by splines and fuzzy interpolators/extrapolators considering wavelength and atmospheric visibility – MOSIFAU*, Author(s): H.N. Teodorescu, S.I. Bejinariu, C.D. Nita
 10. DIPLOMA DE EXCELENTA si medalia de aur, “Sistem Integrat pentru Editarea Textelor Dialectale si Publicarea Atlasului Lingvistic pe Regiuni”, Author(s): H.N. Teodorescu, V. Apopei, S. Bejinariu, R. Luca, C. Bulancea, M. Roman, Salonul International de Inventica PROINVENT editia IX-a 2011, Cluj-Napoca

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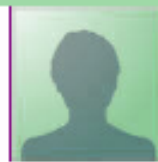
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Prof.dr. H.N.Teodorescu, m.c.

Secretar științific,

CS III dr. Vasile Apopei