

Productia Stiintifica Gabriel Ciobanu - Anexa 2

Nr. crt.	Title	Authors	Source Title	Year	Vol.	Pages		Conference Title	Categorie	Punctaj
1	Similarity relations in fuzzy attribute-oriented concept lattices	Ciobanu, Gabriel; Vaideanu, Cristian	FUZZY SETS AND SYSTEMS	2015	275	88	109		A	8
2	An efficient method to factorize fuzzy attribute-oriented concept lattices	Ciobanu, Gabriel; Vaideanu, Cristian	FUZZY SETS AND SYSTEMS	2017	317	121	132		A	8
3	Relating pi-calculus to Object-Z	Taguchi, K; Dong, JS; Ciobanu, G	NINTH IEEE INTERNATIONAL CONFERENCE ON ENGINEERING COMPLEX COMPUTER SYSTEMS, PROCEEDINGS: NAVIGATING COMPLEXITY IN THE E-ENGINEERING AGE	2004		97	106	9th IEEE International Conference on Engineering of Complex Computer Systems	A	8
4	A RDF-based model for expressing spatio-temporal relations between web sites	Buraga, S; Ciobanu, G	WISE 2002: PROCEEDINGS OF THE THIRD INTERNATIONAL CONFERENCE ON WEB INFORMATION SYSTEMS ENGINEERING	2002		355	361	3rd International Conference on Web Information Systems Engineering	A	8
5	Private Names in Non-Commutative Logic	Ross Horne, Alwen Tiu, Bogdan Aman, Gabriel Ciobanu:	CONCUR	2016		31:1	31:16	27th International Conference on Concurrency Theory, CONCUR 2016	A	4
6	Distributed algorithms over communicating membrane systems	Ciobanu, G	BIOSYSTEMS	2003	70	123	133		B	4
7	Timed mobile ambients for network protocols	Aman, Bogdan; Ciobanu, Gabriel	FORMAL TECHNIQUES FOR NETWORKED AND DISTRIBUTED SYSTEMS - FORTE 2008	2008	5048	234	250	28th International Conference on Formal Techniques for Networked and Distributed Systems	B	4
8	Modelling and verification of timed interaction and migration	Ciobanu, Gabriel; Koutny, Maciej	FUNDAMENTAL APPROACHES TO SOFTWARE ENGINEERING, PROCEEDINGS	2008	4961	215	+	11th International Conference on Fundamental Approaches to Software Engineering	B	4
9	Extracting Threshold Conceptual Structures from Web Documents	Ciobanu, Gabriel; Horne, Ross; Vaideanu, Cristian	GRAPH-BASED REPRESENTATION AND REASONING	2014	8577	130	144	21st International Conference on Conceptual Structures (ICCS)	B	4
10	A Formal Topology of Web Classification	Ciobanu, Gabriel; Rusu, Danut	GRAPH-BASED REPRESENTATION AND REASONING	2014	8577	145	158	21st International Conference on Conceptual Structures (ICCS)	B	4
11	Catalytic and communicating Petri nets are Turing complete	Ciobanu, Gabriel; Pinna, G. Michele	INFORMATION AND COMPUTATION	2014	239	55	70	6th International Conference on Language and Automata Theory and Applications (LATA)	B	4

12	Properties of enhanced mobile membranes via coloured Petri nets	Aman, Bogdan; Ciobanu, Gabriel	INFORMATION PROCESSING LETTERS	2012	112	243	248		B	4
13	Specification and verification of synchronizing concurrent objects	Ciobanu, G; Lucanu, D	INTEGRATED FORMAL METHODS, PROCEEDINGS	2004	2999	307	327	4th International Conference on Integrated Formal Methods (IFM 2004)	B	4
14	Theory and applications of P systems - Preface	Ciobanu, Gabriel	INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS	2006	83	525	527		B	4
15	Verification of critical systems described in real-time TIMo	Aman, Bogdan; Ciobanu, Gabriel	INTERNATIONAL JOURNAL ON SOFTWARE TOOLS FOR TECHNOLOGY TRANSFER	2017	19	395	408		B	4
16	A descriptive type foundation for RDF Schema	Ciobanu, Gabriel; Horne, Ross; Sassone, Vladimiro	JOURNAL OF LOGICAL AND ALGEBRAIC METHODS IN PROGRAMMING	2016	85	681	706		B	4
17	Minimal type inference for Linked Data consumers	Ciobanu, Gabriel; Horne, Ross; Sassone, Vladimiro	JOURNAL OF LOGICAL AND ALGEBRAIC METHODS IN PROGRAMMING	2015	84	485	504		B	4
18	Abstract structures for communication between processes	Ciobanu, G; Olariu, EF	PERSPECTIVES OF SYSTEM INFORMATICS	2000	1755	221	227	3rd International Andrei Ershov Memorial Conference on Perspectives of System Informatics (PSI99)	B	4
19	Descriptive Types for Linked Data Resources	Ciobanu, Gabriel; Horne, Ross; Sassone, Vladimiro	PERSPECTIVES OF SYSTEM INFORMATICS, PSI 2014	2015	8974	1	25	9th International Ershov Informatics Conference on Perspectives of System Informatics (PSI)	B	4
20	Behavioural Analysis of Sessions Using the Calculus of Structures	Ciobanu, Gabriel; Horne, Ross	PERSPECTIVES OF SYSTEM INFORMATICS, PSI 2015	2016	9609	91	106	10th International Andrei Ershov Informatics Conference in Memory of Helmut Veith (PSI)	B	4
21	Encoding mobile ambients into the pi-calculus	Ciobanu, Gabriel; Zakharov, Vladimir A.	PERSPECTIVES OF SYSTEMS INFORMATICS	2007	4378	148	165	6th International Andrei Ershov Memorial Conference on Perspectives of Systems Informatics	B	4
22	COORDINATED MOBILE AGENTS	Ciobanu, Gabriel	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE	2009	10	73	79		B	4
23	MINIMAL INGREDIENTS FOR TURING COMPLETENESS IN MEMBRANE COMPUTING	Aman, Bogdan; Ciobanu, Gabriel	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE	2017	18	182	187		B	4

24	STOCHASTIC PROCESS CALCULI FOR HUMAN-COMPUTER INTERACTION	Ciobanu, Gabriel; Rotaru, Armand	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE	2015	16	243	250		B	4
25	EXPRESSING MOBILE AMBIENTS IN TEMPORAL LOGIC OF ACTIONS	Aman, Bogdan; Ciobanu, Gabriel	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE	2014	15	95	104		B	4
26	Cellular modelling using P systems and process algebra	Romero-Campero, Francisco J.; Gheorghe, Marian; Ciobanu, Gabriel; Auld, John M.; Perez-Jimenez, Mario J.	PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL	2007	17	375	383		B	1.6
27	Compositional asynchronous membrane systems	Bonchis, Cosmin; Izbasa, Cornel; Ciobanu, Gabriel	PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL	2007	17	411	416		B	4
28	Probabilistic transitions for P systems	Ciobanu, Gabriel; Cornacel, Laura	PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL	2007	17	432	441		B	4
29	Behavioural Types Inspired by Cellular Thresholds	Aman, Bogdan; Ciobanu, Gabriel	SOFTWARE ENGINEERING AND FORMAL METHODS	2014	8368	29	43	11th International Conference on Software Engineering and Formal Methods (SEFM)	B	4
30	Real-Time Migration Properties of rTiMo Verified in UPPAAL	Aman, Bogdan; Ciobanu, Gabriel	SOFTWARE ENGINEERING AND FORMAL METHODS, SEFM 2013	2013	8137	31	45	11th International Conference on Software Engineering and Formal Methods (SEFM)	B	4
31	Phase-Type Approximations for Non-Markovian Systems: A Case Study	Ciobanu, Gabriel; Rotaru, Armand	SOFTWARE ENGINEERING AND FORMAL METHODS, SEFM 2014	2015	8938	323	334	12th International Conference on Software Engineering and Formal Methods (SEFM)	B	4
32	A topological approach of the Web classification	Ciobanu, Gabriel; Rusu, Danut	THEORETICAL ASPECTS OF COMPUTING - ICTAC 2006	2006	4281	80	92	3rd International Colloquium on Theoretical Aspects of Computing	B	4
33	Mobile ambients with timers and types	Aman, Bogdan; Ciobanu, Gabriel	THEORETICAL ASPECTS OF COMPUTING - ICTAC 2007, PROCEEDINGS	2007	4711	50	+	4th International Colloquium on Theoretical Aspects of Computing (ICTAC 2007)	B	4
34	Non-interleaving semantics with causality for nondeterministic dataflow	Agrigoroaiei, Oana; Ciobanu, Gabriel	THEORETICAL ASPECTS OF COMPUTING - ICTAC 2008, PROCEEDINGS	2008	5160	66	+	5th International Colloquium on Theoretical Aspects of Computing (ICTAC 2008)	B	4
35	Encodings and arithmetic operations in membrane computing	Bonchis, Cosmin; Ciobanu, Gabriel; Izbasa, Cornel	THEORY AND APPLICATIONS OF MODELS OF COMPUTATION, PROCEEDINGS	2006	3959	621	630	3rd International Conference on Theory and Applications of Models of Computation (TAMC 2006)	B	4
36	Enhanced Mobile Membranes: Computability Results	Ciobanu, Gabriel; Krishna, Shankara Narayanan	THEORY OF COMPUTING SYSTEMS	2011	48	715	729		B	4

37	Model checking for object specifications in hidden algebra	Lucanu, D; Ciobanu, G	VERIFICATION, MODEL CHECKING, AND ABSTRACT INTERPRETATION, PROCEEDINGS	2004	2937	97	109	5th International Conference on Verification, Model Checking and Abstract Interpretation	B	4
38	On the relationship between membranes and ambients	Ciobanu, Gabriel; Aman, Bogdan	BIOSYSTEMS	2008	91	515	530		B	4
39	Conformon-driven biopolymer shape changes in cell modeling	Ji, SC; Ciobanu, G	BIOSYSTEMS	2003	70	165	181		B	4
40	Continuation Semantics for Concurrency Applied to Parallel Rewriting of Multisets	Ciobanu, Gabriel; Todoran, Eneia Nicolae	12TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING (SYNASC 2010)	2011		387	391	12th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	C	2
41	Metric Denotational Semantics for Parallel Rewriting of Multisets	Ciobanu, Gabriel; Todoran, Eneia Nicolae	13TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING (SYNASC 2011)	2012		276	283	13th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	C	2
42	Nominal semantics of the pi I-calculus	Alexandru, Andrei; Ciobanu, Gabriel	13TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING (SYNASC 2011)	2012		331	338	13th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	C	2
43	Relating Two Metric Semantics for Parallel Rewriting of Multisets	Ciobanu, Gabriel; Todoran, Eneia Nicolae	14TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING (SYNASC 2012)	2012		273	280	14th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	C	2
44	Timed Catalytic Petri Nets	Aman, Bogdan; Ciobanu, Gabriel; Pinna, G. Michele	14TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING (SYNASC 2012)	2012		319	326	14th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	C	2
45	Nominal Fusion Calculus	Alexandru, Andrei; Ciobanu, Gabriel	14TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING (SYNASC 2012)	2012		376	383	14th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	C	2

46	Correct Metric Semantics for a Biologically-Inspired Formalism	Ciobanu, Gabriel; Todoran, Eneia Nicolae	16TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING (SYNASC 2014)	2014		317	324	16th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	C	2
47	Expressing BBUFs Lookup Using the Pi-calculus	Ciobanu, Gabriel; Cojocar, Dan	16TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING (SYNASC 2014)	2014		511	518	16th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	C	2
48	TiMo: Timed Mobility in Distributed Systems	Ciobanu, Gabriel	2013 15TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING (SYNASC 2013)	2014		5	10	15th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	C	2
49	Algebraic Properties of Generalized Multisets	Alexandru, Andrei; Ciobanu, Gabriel	2013 15TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING (SYNASC 2013)	2014		367	374	15th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	C	2
50	Non-Interleaving Operational Semantics for Geographically Replicated Databases	Ciobanu, Gabriel; Horne, Ross	2013 15TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING (SYNASC 2013)	2014		440	447	15th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	C	2
51	Automatic Analysis of TiMo Systems in PAT	Ciobanu, Gabriel; Zheng, Manchun	2013 18TH INTERNATIONAL CONFERENCE ON ENGINEERING OF COMPLEX COMPUTER SYSTEMS (ICECCS)	2013		121	124	18th International Conference on Engineering of Complex Computer Systems (ICECCS)	C	2
52	From TiMo to Event-B: Event-Driven Timed Mobility	Ciobanu, Gabriel; Thai Son Hoang; Stefanescu, Alin	2014 19TH INTERNATIONAL CONFERENCE ON ENGINEERING OF COMPLEX COMPUTER SYSTEMS (ICECCS 2014)	2014		1	10	19th International Conference on Engineering of Complex Computer Systems (ICECCS)	C	2
53	Continuation Semantics for Dynamic Hierarchical Systems	Ciobanu, Gabriel; Todoran, Eneia Nicolae	2015 17TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING (SYNASC)	2016		281	288	17th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	C	2

54	Static Analysis in Finitely Supported Mathematics	Alexandru, Andrei; Ciobanu, Gabriel	2015 17TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING (SYNASC)	2016		312	319	17th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	C	2
55	Solving a weak NP-complete problem in polynomial time by using mutual mobile membrane systems	Aman, Bogdan; Ciobanu, Gabriel	ACTA INFORMATICA	2011	48	409	415		C	2
56	Final and sequential behaviours of M-automata	Ciobanu, Gabriel; Rudeanu, Sergiu	ACTA INFORMATICA	2009	46	361	374		C	2
57	Efficiently solving the Bin Packing problem through bio-inspired mobility	Aman, Bogdan; Ciobanu, Gabriel	ACTA INFORMATICA	2017	54	435	445		C	2
58	Essential and density topologies of continuous domains	Rusu, Danut; Ciobanu, Gabriel	ANNALS OF PURE AND APPLIED LOGIC	2016	167	726	736	4th Workshop on Formal Topology (WFTop)	C	2
59	Describing IEEE 802.11 wireless mechanisms by using the pi-calculus and performance evaluation process algebra	Sridhar, KN; Ciobanu, G	APPLYING FORMAL METHODS: TESTING, PERFORMANCE, AND M/E-COMMERCE, PROCEEDINGS	2004	3236	233	247	FORTE 2004 Workshops, TheFormEMC, EPEW, ITM	C	2
60	Mathematics of multisets in the Fraenkel-Mostowski framework	Alexandru, Andrei; Ciobanu, Gabriel	BULLETIN MATHEMATIQUE DE LA SOCIETE DES SCIENCES MATHEMATIQUES DE ROUMANIE	2015	58	3	18		C	2
61	On Logical Notions in the Fraenkel-Mostowski Cumulative Universe	Alexandru, Andrei; Ciobanu, Gabriel	BULLETIN MATHEMATIQUE DE LA SOCIETE DES SCIENCES MATHEMATIQUES DE ROUMANIE	2017	60	113	125		C	2
62	Self-organizing distribution of agents over hosts	Ciobanu, G; Rusu, D	COMPUTER AND INFORMATION SCIENCES - ISCIS 2005, PROCEEDINGS	2005	3733	462	471	20th International Symposium on Computer and Information Sciences	C	2
63	PERTIMO: A Model of Spatial Migration with Safe Access Permissions	Ciobanu, Gabriel; Koutny, Maciej	COMPUTER JOURNAL	2015	58	1041	1060		C	2
64	Rewriting Systems Over Indexed Multisets	Agrigoroaiei, Oana; Ciobanu, Gabriel	COMPUTER JOURNAL	2014	57	165	179		C	2
65	Timers and proximities for mobile ambients	Aman, Bogdan; Ciobanu, Gabriel	COMPUTER SCIENCE - THEORY AND APPLICATIONS	2007	4649	33	+	2nd International Computer Science Symposium in Russia (CSR 2007)	C	2
66	GENERALIZED MULTISSETS: FROM ZF TO FSM	Alexandru, Andrei; Ciobanu, Gabriel	COMPUTING AND INFORMATICS	2015	34	1133	1150		C	2
67	Flexible software architecture and language for mobile agents	Ciobanu, Gabriel; Juravle, Calin	CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE	2012	24	559	571		C	2

68	Correct metric semantics for a language inspired by DNA computing	Ciobanu, Gabriel; Todoran, Eneia Nicolae	CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE	2016	28	3042	3060		C	2
69	Strategy based semantics for mobility with time and access permissions	Ciobanu, Gabriel; Koutny, Maciej; Steggles, Jason	FORMAL ASPECTS OF COMPUTING	2015	27	525	549		C	2
70	P system software simulator	Ciobanu, G; Paraschiv, D	FUNDAMENTA INFORMATICAЕ	2002	49	61	66		C	2
71	Nominal Groups and Their Homomorphism Theorems	Alexandru, Andrei; Ciobanu, Gabriel	FUNDAMENTA INFORMATICAЕ	2014	131	279	298		C	2
72	Continuation Semantics for Asynchronous Concurrency	Ciobanu, Gabriel; Todoran, Eneia Nicolae	FUNDAMENTA INFORMATICAЕ	2014	131	373	388		C	2
73	Computational Complexity of Simple P Systems	Ciobanu, Gabriel; Resios, Andreas	FUNDAMENTA INFORMATICAЕ	2008	87	49	59		C	2
74	On the branching complexity of P systems	Ciobanu, Gabriel; Paun, Gheorghe; Perez-Jimenez, Mario J.	FUNDAMENTA INFORMATICAЕ	2006	73	27	36		C	2
75	Abstract Interpretations in the Framework of Invariant Sets	Alexandru, Andrei; Ciobanu, Gabriel	FUNDAMENTA INFORMATICAЕ	2016	144	1	22		C	2
76	Monitoring Changes in Dynamic Multiset Systems	Ciobanu, Gabriel; Sburlan, Dragos	FUNDAMENTA INFORMATICAЕ	2014	134	67	82		C	2
77	An automata description of the genetic message translation	Ciobanu, G; Gontineac, N	FUNDAMENTA INFORMATICAЕ	2005	64	93	107		C	2
78	Gene expression by software mechanisms	Ciobanu, G; Tanasa, B	FUNDAMENTA INFORMATICAЕ	2002	49	67	80		C	2
79	Pythagoras: An interactive environment for plane geometry	Ciobanu, Gabriel; Rusu, Danut	ICCP 2007: IEEE 3RD INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS	2007		283	+	IEEE 3rd International Conference on Intelligent Computer Communication and Processing	C	2
80	A programming perspective of the membrane systems	Ciobanu, Gabriel	INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL	2006	1	13	22		C	2
81	Adding Lifetime to Objects and Membranes in P Systems	Aman, B.; Ciobanu, G.	INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL	2010	5	268	279		C	2
82	Writing as a Form of Freedom and Happiness Celebrating the 60th birthday of Gheorghe Paun	Ciobanu, G.	INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL	2010	5	613	615		C	2
83	Formalizing peer-to-peer systems based on Content Addressable Network	Iftene, Adrian; Ciobanu, Gabriel	INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL	2006	1	268	273		C	2

84	Mealy multiset automata	Ciobanu, G; Gontineac, M	INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE	2006	17	111	126	Workshop on Cellular Computing (Complexity Aspects)	C	2
85	ENCODINGS OF MULTISSETS	Ciobanu, Gabriel; Gontineac, Mihai	INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE	2009	20	381	393		C	2
86	Scenario Based P Systems	Ciobanu, Gabriel; Sburlan, Dragos	INTERNATIONAL JOURNAL OF UNCONVENTIONAL COMPUTING	2013	9	351	366		C	2
87	Algebraic and topological properties of apartness lattice-ordered semigroups	Ciobanu, Gabriel; Rusu, Danut	JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING	2006	12	249	274		C	2
88	Pawlak Approximations in the Framework of Nominal Sets	Alexandru, Andrei; Ciobanu, Gabriel	JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING	2016	26	439	466		C	2
89	Equivalent transformations of automata by using behavioural automata	Ciobanu, Gabriel; Rudeanu, Sergiu	JOURNAL OF UNIVERSAL COMPUTER SCIENCE	2007	13	1540	1549		C	2
90	FINITELY SUPPORTED SUBGROUPS OF A NOMINAL GROUP	Alexandru, Andrei; Ciobanu, Gabriel	MATHEMATICAL REPORTS	2016	18	233	246		C	2
91	P systems running on a cluster of computers	Ciobanu, G; Guo, WY	MEMBRANE COMPUTING	2004	2933	123	139	International Workshop on Membrane Computing	C	2
92	Distributed evolutionary algorithms inspired by membranes in solving continuous optimization problems	Zaharie, Daniela; Ciobanu, Gabriel	MEMBRANE COMPUTING	2006	4361	536	+	7th International Workshop on Membrane Computing	C	2
93	Membrane systems and distributed computing	Ciobanu, G; Desai, R; Kumar, A	MEMBRANE COMPUTING	2003	2597	187	202	International Workshop on Membrane Computing	C	2
94	Expressing control mechanisms of membranes by rewriting strategies	Andrei, Oana; Ciobanu, Gabriel; Lucanu, Dorel	MEMBRANE COMPUTING	2006	4361	154	169	7th International Workshop on Membrane Computing	C	2
95	Events, causality, and concurrency in membrane systems	Ciobanu, Gabriel; Lucanu, Dorel	MEMBRANE COMPUTING	2007	4860	209	227	8th International Workshop on Membrane Computing	C	2
96	A P system description of the sodium-potassium pump	Besozzi, D; Ciobanu, G	MEMBRANE COMPUTING	2004	3365	210	223	5th International Workshop on Membrane Computing (WMC 5)	C	2
97	Structural operational semantics of P systems	Andrei, O; Ciobanu, G; Lucanu, D	MEMBRANE COMPUTING	2006	3850	31	48	6th International Workshop on Membrane Computing	C	2
98	Dual P Systems	Agrigoroaiei, Oana; Ciobanu, Gabriel	MEMBRANE COMPUTING	2009	5391	95	107	9th International Workshop on Membrane Computing	C	2
99	Flattening the Transition P Systems with Dissolution	Agrigoroaiei, Oana; Ciobanu, Gabriel	MEMBRANE COMPUTING	2010	6501	53	+	11th International Conference on Membrane Computing	C	2

100	On the reachability problem in P systems with mobile membranes	Aman, Bogdan; Ciobanu, Gabriel	MEMBRANE COMPUTING	2007	4860	113	+	8th International Workshop on Membrane Computing	C	2
101	Algebraic and coalgebraic aspects of membrane computing	Ciobanu, G; Gontineac, VM	MEMBRANE COMPUTING	2006	3850	181	198	6th International Workshop on Membrane Computing	C	2
102	P machines: An automata approach to membrane computing	Ciobanu, Gabriel; Gontineac, Mihai	MEMBRANE COMPUTING	2006	4361	314	+	7th International Workshop on Membrane Computing	C	2
103	Client-server P systems in modeling molecular interaction	Ciobanu, G; Dumitriu, D; Huzum, D; Moruz, G; Tanasa, B	MEMBRANE COMPUTING	2003	2597	203	218	International Workshop on Membrane Computing	C	1
104	Mobility in Computer Science and in Membrane Systems	Ciobanu, Gabriel	MEMBRANE COMPUTING	2010	6501	7	17	11th International Conference on Membrane Computing	C	2
105	Evolving by Maximizing the Number of Rules: Complexity Study	Agrigoroaiei, Oana; Ciobanu, Gabriel; Resios, Andreas	MEMBRANE COMPUTING	2010	5957	149	+	10th International Workshop on Membrane Computing	C	2
106	Typed Membrane Systems	Aman, Bogdan; Ciobanu, Gabriel	MEMBRANE COMPUTING	2010	5957	169	+	10th International Workshop on Membrane Computing	C	2
107	Executable specifications of P systems	Andrei, O; Ciobanu, G; Lucanu, D	MEMBRANE COMPUTING	2004	3365	126	145	5th International Workshop on Membrane Computing (WMC 5)	C	2
108	Automated Verification of Stochastic Spiking Neural P Systems	Aman, Bogdan; Ciobanu, Gabriel	MEMBRANE COMPUTING (CMC 2015)	2015	9504	77	91	16th International Conference on Membrane Computing (CMC)	C	2
109	General patterns of interaction in stochastic fusion	Ciobanu, Gabriel	NATURAL COMPUTING	2013	12	429	439		C	2
110	Mutual mobile membranes with objects on surface	Aman, Bogdan; Ciobanu, Gabriel	NATURAL COMPUTING	2011	10	777	793		C	2
111	Simulating P systems with membrane dissolution in a chemical calculus	Aman, Bogdan; Battyanyi, Peter; Ciobanu, Gabriel; Vaszil, Gyorgy	NATURAL COMPUTING	2016	15	521	532	Asian Conference on Membrane Computing (ACMC)	C	1
112	P transducers	Ciobanu, G; Paun, C; Stefanescu, G	NEW GENERATION COMPUTING	2006	24	1	28		C	2
113	Structural Properties and Observability in Membrane Systems	Aman, Bogdan; Ciobanu, Gabriel	NINTH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING, PROCEEDINGS	2007		74	+	9th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing	C	2
114	Continuation Semantics of a Language Inspired by Membrane Computing with Symport/Antiport Interactions	Ciobanu, Gabriel; Todoran, Eneia Nicolae	PROCEEDINGS OF 2016 18TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING (SYNASC)	2016		335	342	18th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	C	2

115	Resource Competition and Synchronization in Membranes	Aman, Bogdan; Ciobanu, Gabriel	PROCEEDINGS OF THE 10TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING	2009		145	+	10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing	C	2
116	Data compression on multisets. Submultiset-free codes	Bonchis, Cosmin; Izbasa, Cornel; Ghergu, Gratiela; Ciobanu, Gabriel	PROCEEDINGS OF THE 10TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING	2009		152	+	10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing	C	1
117	A universality theorem for the sequential behaviour of minimal F-automata	Ciobanu, Gabriel; Rudeanu, Sergiu	PUBLICATIONES MATHEMATICAE-DEBRECEN	2017	90	33	38		C	2
118	Nominal Event Structures	Alexandru, Andrei; Ciobanu, Gabriel	ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY	2012	15	79	90		C	2
119	A Nominal Approach of Fusion Calculus	Alexandru, Andrei; Ciobanu, Gabriel	ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY	2014	17	265	288		C	2
120	Nominal Techniques for pi I-Calculus	Alexandru, Andrei; Ciobanu, Gabriel	ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY	2013	16	261	286		C	2
121	Nominal Semantics of Mobility	Alexandru, Andrei; Ciobanu, Gabriel	ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY	2012	15	171	214		C	2
122	New Strategies of Using the Rules of a P System in a Maximal Way: Power and Complexity	Ciobanu, Gabriel; Marcus, Solomon; Paun, Gheorghe	ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY	2009	12	157	173		C	2
123	Synchronizing the Shared Resources	Ciobanu, G.; Rusu, D.	ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY	2008	11	281	291		C	2
124	ON CERTAIN LATTICE - ORDERED SEMIGROUPS	CIOBANU, G; DEACONESCU, M	SEMIGROUP FORUM	1985	31	367	371		C	2
125	Theory and practice of programming applied to membrane systems (Invited talk)	Ciobanu, G	Seventh International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Proceedings	2005		19	25	7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing	C	2
126	Specifications and verification of network protocols by process algebra	Ciobanu, G; Sridhar, KN	SEVENTH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING, PROCEEDINGS	2005		250	258	7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing	C	2
127	Specification of coordinated objects and verification of their temporal properties	Danes, M; Lucanu, D; Ciobanu, G	Seventh International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Proceedings	2005		259	266	7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing	C	2
128	Collaborative agents interaction using Message Passing Interface	Ciobanu, Gabriel	SYNASC 2006: Eighth International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Proceedings	2007		244	247	8th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing	C	2

129	Number encodings and arithmetics over multisets	Bonchis, Cosmin; Izbasa, Cornel; Ciobanu, Gabriel	SYNASC 2006: EIGHTH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING, PROCEEDINGS	2007		354	+	8th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing	C	2
130	P systems with minimal parallelism	Ciobanu, Gabriel; Pan, Linqiang; Paun, Gheorghe; Perez-Jimenez, Mario J.	THEORETICAL COMPUTER SCIENCE	2007	378	117	130		C	1
131	A rewriting logic framework for operational semantics of membrane systems	Andrei, Oana; Ciobanu, Gabriel; Lucanu, Dorel	THEORETICAL COMPUTER SCIENCE	2007	373	163	181		C	2
132	Molecular interaction	Ciobanu, G; Rotaru, M	THEORETICAL COMPUTER SCIENCE	2002	289	801	827		C	2
133	Verification of membrane systems with delays via Petri nets with delays	Aman, Bogdan; Ciobanu, Gabriel	THEORETICAL COMPUTER SCIENCE	2015	598	87	101		C	2
134	Modelling and verification of weighted spiking neural systems	Aman, Bogdan; Ciobanu, Gabriel	THEORETICAL COMPUTER SCIENCE	2016	623	92	102		C	2
135	Modelling and analysis of biological systems-Based on papers presented at the Workshop on Membrane Computing and Biologically Inspired Process Calculi (MeCBIC) held in 2008 (Iasi), 2009 (Bologna) and 2010 (Jena) Preface	Ciobanu, Gabriel; Koutny, Maciej	THEORETICAL COMPUTER SCIENCE	2012	431	2	3		C	2
136	Simple, Enhanced and Mutual Mobile Membranes	Aman, Bogdan; Ciobanu, Gabriel	TRANSACTIONS ON COMPUTATIONAL SYSTEMS BIOLOGY XI	2009	5750	26	+	Workshop on Computation Models for Cell Processes	C	2
137	Turing Completeness Using Three Mobile Membranes	Aman, Bogdan; Ciobanu, Gabriel	UNCONVENTIONAL COMPUTATION, PROCEEDINGS	2009	5715	42	55	8th International Conference on Unconventional Computation	C	2
138	A web-based P systems simulator and its parallelization	Bonchis, C; Ciobanu, G; Izbasa, C; Petcu, D	UNCONVENTIONAL COMPUTATION, PROCEEDINGS	2005	3699	58	69	4th International Conference on Unconventional Computation	C	2
139	Formalizing the Behavior of Biological Processes with Mobility	Aman, Bogdan; Ciobanu, Gabriel	UNCONVENTIONAL COMPUTATION, PROCEEDINGS	2010	6079	187	187	9th International Conference on Unconventional Computation	C	2
140	From gene regulation to stochastic fusion	Ciobanu, Gabriel	UNCONVENTIONAL COMPUTATION, PROCEEDINGS	2008	5204	51	63	7th International Conference on Unconventional Computation	C	2
Total										367.6

Punctaj necesar	CS I
Cf. Ordin 6129/2016 (Anexa 2)	55

Necesar	Punctaj
A*+A>=24	36
A*+A+B>=40	169.6

Impactul Reultatelor Gabriel Ciobanu* - Anexa 2

Nr. Crt.	Lucrare	Citari	Jurnal/ Conferinta/ Teza/ Carte	Categorie A/B/C/D	Punctaj categorice	Nr. autori	Punctaj
1	B. Aman, G.Ciobanu. Translating Mobile Ambients into P Systems. Electronic Notes in Theoretical Computer Science, vol.171(2), 11–23, 2007	J. Kleijn , M. Koutny. Petri Nets and Membrane Computing. The Oxford Handbook of Membrane Computing. Oxford University Press, 2010	Capitol carte	A	8	2	8.00
2	B. Aman, G. Ciobanu: Reachability problem in mobile membranes. Proc. WMC8, Thessaloniki, June 2007, 111-122	G. Paun. Active Membranes. The Oxford Handbook of Membrane Computing. Oxford University Press, 2010	Capitol carte	A	8	1	8.00
3	D. Besozzi, G. Ciobanu: A P system description of the sodium-potassium pump. Lecture Notes in Computer Sci., 3365 (2005), 210–223	V Manca. Fundamentals of metabolic P systems. The Oxford Handbook of Membrane Computing. Oxford University Press, 2010	Capitol carte	A	8	1	8.00
4	G. Ciobanu, G. Paun, M. J. Perez-Jimenez, eds.: Applications of Membrane Computing. Springer, 2006	V Manca. Fundamentals of metabolic P systems. The Oxford Handbook of Membrane Computing. Oxford University Press, 2010	Capitol carte	A	8	1	8.00
5	F.J. Romero-Campero, M. Gheorghe, G. Ciobanu, L. Bianco, D. Pescini, M.J. Perez-Jimenez, R. Ceterchi: Towards probabilistic model checking on P systems using PRISM. Lecture Notes in Computer Sci., 4361 (2006), 477–495.	V Manca. Fundamentals of metabolic P systems. The Oxford Handbook of Membrane Computing. Oxford University Press, 2010	Capitol carte	A	8	1	8.00
6	B. Aman, G.Ciobanu. On the Reachability Problem in P Systems With Mobile Membranes. Lecture Notes in Computer Science, vol.4860, 113–123, 2007	P. Frisco: Computing with Cells - Advances in Membrane Computing. Oxford University Press 2009, ISBN 978-0-19-954286-4, pp. I-XI, 1-345	Carte	A	16	1	16.00

7	B. Aman, G. Ciobanu. Decidability Results for Mobile Membranes Derived from Mobile Ambients. Proceedings of CiE 2008 (4th Conference on Computability in Europe), 15–25, 2008	P. Frisco: Computing with Cells - Advances in Membrane Computing. Oxford University Press 2009, ISBN 978-0-19-954286-4, pp. I-XI, 1-345	Carte	A	16	1	16.00
8	O Andrei, G Ciobanu, D Lucanu. A rewriting logic framework for operational semantics of membrane systems. Theoretical Computer Science 373 (3), 163-181	Yao Zhang, Liang Huang. A variant of P systems for optimization. Neurocomputing, Volume 72, Issues 4–6, January 2009, Pages 1355-1360	Jurnal	A	8	1	8.00
9	G Ciobanu, D Paraschiv. P system software simulator. Fundamenta Informaticae 49 (1-3), 61-66	Paun Gheorghe. Membrane Computing - An Introduction. Springer 2012	Carte	B	8	1	8.00
10	G Ciobanu, G Wenyuan. P systems running on a cluster of computers. Lecture Notes in Computer Science 2933, 123-139	G Paun, Mario J. Pérez-Jiménez. Membrane computing: Brief introduction, recent results and applications. Biosystems, Volume 85, Issue 1, July 2006, Pages 11-22	Jurnal	B	4	1	4.00
11	G Ciobanu, G Wenyuan. P systems running on a cluster of computers. Lecture Notes in Computer Science 2933, 123-139	Vincenzo Manca, Luca Bianco. Biological networks in metabolic P systems. Biosystems, Volume 91, Issue 3, March 2008, Pages 489-498.	Jurnal	B	4	1	4.00
12	G Ciobanu, G Wenyuan. P systems running on a cluster of computers. Lecture Notes in Computer Science 2933, 123-139	Daniela Besozzi, Paolo Cazzaniga, Dario Pescini, Giancarlo Mauri. Modelling metapopulations with stochastic membrane systems. Biosystems, Volume 91, Issue 3, March 2008, Pages 499-514	Jurnal	B	4	1	4.00
13	G Ciobanu, L Pan, G Păun, MJ Pérez-Jiménez. P systems with minimal parallelism. Theoretical Computer Science 378 (1), 117-130	Xingyi Zhang, Bin Luo, Xianyong Fang, Linqiang Pan. Sequential spiking neural P systems with exhaustive use of rules. Biosystems, Volume 108, Issues 1–3, April–June 2012, Pages 52-62	Jurnal	B	4	4	2.00
14	G Ciobanu, L Pan, G Păun, MJ Pérez-Jiménez. P systems with minimal parallelism. Theoretical Computer Science 378 (1), 117-130	Bosheng Song, Mario J. Pérez-Jiménez, Linqiang Pan. Efficient solutions to hard computational problems by P systems with symport/antiport rules and membrane division. Biosystems, Volume 130, April 2015, Pages 51-58	Jurnal	B	4	3	4.00

15	G. Ciobanu, G. Paun, M. J. Perez-Jimenez, eds.: Applications of Membrane Computing. Springer, 2006	Ravie Chandren, Muniyandia Abdullah Mohd Zina, J.W.Sanders. Converting differential-equation models of biological systems to membrane computing. Biosystems, Volume 114, Issue 3, December 2013, Pages 219-226	Jurnal	B	4	3	4.00
16	G Ciobanu, D Paraschiv. P system software simulator. Fundamenta Informaticae 49 (1-3), 61-66	Christof Teuscher. From membranes to systems: Self-configuration and self-replication in membrane systems. Biosystems, Volume 87, Issues 2–3, February 2007, Pages 101-110	Jurnal	B	4	1	4.00
17	G Ciobanu. Distributed algorithms over communicating membrane systems. Biosystems 70 (2), 123-133	Ken Webb, Tony White. UML as a cell and biochemistry modeling language. Biosystems, Volume 80, Issue 3, June 2005, Pages 283-302	Jurnal	B	4	2	4.00
18	Bogdan Aman, Gabriel Ciobanu. "Properties of enhanced mobile membranes via coloured Petri nets", Information Processing Letters 112, 243–248 (2012)	Po-Yuan Shih; Dong-Her Shih; An-Chung Liu. A colored Petri Net for stock trading signal detection. 2016 IEEE Congress on Evolutionary Computation (CEC), DOI: 10.1109/CEC.2016.7744369	Conferinta	B	4	3	4.00
19	Aman, B. Spatial dynamic structures and mobility in computation. PhD Thesis, Romanian Academy, 2009.	Bo Xing, Wen-Jing Gao. Emerging Biology-based CI Algorithms. Innovative Computational Intelligence: A Rough Guide to Clever Algorithms. Intelligent Systems Reference Library Volume 62, pp 217-317, Springer, 2014	Capitol carte	B	4	2	4.00
20	G Ciobanu, L Pan, G Păun, MJ Pérez-Jiménez. P systems with minimal parallelism. Theoretical Computer Science 378 (1), 117-130	G Paun. Membrane computing - Handbook of Natural Computing, 2012 - Springer	Capitol carte	C	2	1	2.00
21	G Ciobanu, L Pan, G Păun, MJ Pérez-Jiménez. P systems with minimal parallelism. Theoretical Computer Science 378 (1), 117-130	G Paun. Membrane computing - Handbook of Natural Computing, 1355-1377, 2012 - Springer	Capitol carte	C	2	1	2.00
22	G Ciobanu, G Wenyuan. P systems running on a cluster of computers. Lecture Notes in Computer Science 2933, 123-139	G Paun. Membrane computing - Handbook of Natural Computing, 1355-1377, 2012 - Springer	Capitol carte	C	2	1	2.00

23	G. Ciobanu, B. Aman. On the Relationship Between Membranes and Ambients. Biosystems , vol.91(3), 515–530, 2008.	V. Galpin. Equivalences for a biological process algebra. Theoretical Computer Science, vol. 412(43), 6058–6082, 2011	Jurnal	C	1	1	1.00
24	G. Ciobanu, B. Aman. On the Relationship Between Membranes and Ambients. Biosystems , vol.91(3), 515–530, 2008.	V. Galpin, J. Hillston. A semantic equivalence for Bio-PEPA based on discretisation of continuous values. Theoretical Computer Science, Vol. 412(21), 2142–2161, 2011	Jurnal	C	1	2	1.00
25	B. Aman, G.Ciobanu. On the Reachability Problem in P Systems With Mobile Membranes. Lecture Notes in Computer Science, vol.4860, 113–123, 2007	Giorgio Delzanno, Gianluigi Zavattaro. Reachability problems in BioAmbients. Theoretical Computer Science, vol.431, 56–74, 2012.	Jurnal	C	1	2	1.00
26	B. Aman, G.Ciobanu. Turing Completeness Using Three Mobile Membranes. UC 2009, Lecture Notes in Computer Science, vol.5715, 42–55, 2009	Giorgio Delzanno, Gianluigi Zavattaro. Reachability problems in BioAmbients. Theoretical Computer Science, vol.431, 56–74, 2012.	jurnal	C	1	2	1.00
27	B. Aman, G. Ciobanu. Mobility in Process Calculi and Natural Computing. Springer, 2011	Konstantinos Giannakis, Theodore Andronikos. Membrane automata for modeling biomolecular processes. Natural Computing, March 2017, Volume 16, Issue 1, pp 151–163.	Jurnal	C	1	2	1.00
28	G. Ciobanu, B. Aman. On the Relationship Between Membranes and Ambients. Biosystems , vol.91(3), 515–530, 2008.	Andrei Păun Alfonso Rodríguez-Patón. P Systems Simulating Bacterial Conjugation: Universality and Properties. Fundamenta Informaticae, vol. 153, no. 1-2, pp. 87-103, 2017.	Jurnal	C	1	2	1.00
29	G. Ciobanu, B. Aman. On the Relationship Between Membranes and Ambients. Biosystems , vol.91(3), 515–530, 2008.	Konstantinos Giannakis, Theodore Andronikos. Membrane automata for modeling biomolecular processes. Natural Computing, March 2017, Volume 16, Issue 1, pp 151–163.	Jurnal	C	1	2	1.00
30	Bogdan Aman, Gabriel Ciobanu. "Properties of enhanced mobile membranes via coloured Petri nets", Information Processing Letters 112, 243–248 (2012)	Andrei Păun Alfonso Rodríguez-Patón. P Systems Simulating Bacterial Conjugation: Universality and Properties. Fundamenta Informaticae, vol. 153, no. 1-2, pp. 87-103, 2017.	Jurnal	C	1	2	1.00

31	B Aman, G Ciobanu. Modelling and verification of weighted spiking neural systems. Theoretical Computer Science 623, 92-102, 2016.	Andrei Păun Alfonso Rodríguez-Patón. P Systems Simulating Bacterial Conjugation: Universality and Properties. Fundamenta Informaticae, vol. 153, no. 1-2, pp. 87-103, 2017.	Jurnal	C	1	2	1.00
32	B Aman, G Ciobanu. Verification of membrane systems with delays via Petri nets with delays. Theoretical Computer Science 598, 87-101, 2015.	Andrei Păun Alfonso Rodríguez-Patón. P Systems Simulating Bacterial Conjugation: Universality and Properties. Fundamenta Informaticae, vol. 153, no. 1-2, pp. 87-103, 2017.	Jurnal	C	1	2	1.00
33	G. Ciobanu, B. Aman. On the Relationship Between Membranes and Ambients. Biosystems , vol.91(3), 515–530, 2008.	P. Kefalas, I. Stamatopoulou, I. Sakellariou, G. Eleftherakis. Transforming communicating X-machines into P systems. Natural Computing, vol.8(4), 817–832, 2009	Jurnal	C	2	4	1.00
34	G. Ciobanu, B. Aman. On the Relationship Between Membranes and Ambients. Biosystems , vol.91(3), 515–530, 2008.	Konstantinos Giannakis, Theodore Andronikos. Membrane automata for modeling biomolecular processes. Natural Computing. First online: 01 September 2015	Jurnal	C	2	2	2.00
35	B. Aman, G.Ciobanu. Translating Mobile Ambients into P Systems. Electronic Notes in Theoretical Computer Science, vol.171(2), 11–23, 2007	J. Kleijn , M. Koutny. A Petri net model for membrane systems with dynamic structure. Natural Computing, vol. 8(4), 781–796, 2009	Jurnal	C	2	2	2.00
36	B. Aman, G. Ciobanu. Mobility in Process Calculi and Natural Computing. Springer, 2011	Konstantinos Giannakis, Theodore Andronikos. Membrane automata for modeling biomolecular processes. Natural Computing. First online: 01 September 2015	Jurnal	C	2	2	2.00
37	B. Aman, G.Ciobanu. Typed Membrane Systems. Lecture Notes in Computer Science, vol.5957, 169–181, 2010	Marian Gheorghe, Gheorghe Paun, Mario J. Perez-Jimenez, Grzegorz Rozenberg. Research frontiers of membrane computing: Open problems and research topics. International Journal of Foundations of Computer Science , vol.24(5), 547–623, 2013. DOI: 10.1142/S0129054113500202	Jurnal	C	2	4	1.00

38	G. Ciobanu, B. Aman. On the Relationship Between Membranes and Ambients. Biosystems , vol.91(3), 515–530, 2008.	V. Galpin, J. Hillston. Equivalence and Discretisation in Bio-PEPA. Lecture Notes in Computer Science, vol.5688, 189–204, 2009	Jurnal	C	2	2	2.00
39	B. Aman, G.Ciobanu. Adding Lifetime to Objects and Membranes in P Systems. International Journal of Computers, Communication & Control, vol.V(3), 268-279, 2010.	J. Dvorsky, Z Janoska, L. Vojacek. P Systems for Traffic Flow Simulation. Lecture Notes in Computer Science, vol.7564, 405–415, 2012	Jurnal	C	2	3	2.00
40	B. Aman, G.Ciobanu. Turing Completeness Using Three Mobile Membranes. UC 2009, Lecture Notes in Computer Science, vol.5715, 42–55, 2009	E. Csuhaj-Varju, M. Gheorghe, G. Vaszil. P Systems: A Formal Approach to Social Networks (Abstract). Lecture Notes in Computer Science, vol. 8961, IX-XII, 2014.	jurnal	C	2	3	2.00
41	B. Aman, G.Ciobanu. Translating Mobile Ambients into P Systems. Electronic Notes in Theoretical Computer Science, vol.171(2), 11–23, 2007	M. Gheorghe, F. Ipate, C. Dragomir. Formal Verification and Testing Based on P Systems. Lecture Notes in Computer Science, vol.5957, 54–65, 2010	Jurnal	C	2	3	2.00
42	B. Aman, G.Ciobanu. Translating Mobile Ambients into P Systems. Electronic Notes in Theoretical Computer Science, vol.171(2), 11–23, 2007	L. Brodo. On the Expressiveness of the pi-Calculus and the Mobile Ambients. Lecture Notes in Computer Science, vol.6486, 44–59, 2011	Jurnal	C	2	1	2.00
43	B. Aman, G.Ciobanu. Translating Mobile Ambients into P Systems. Electronic Notes in Theoretical Computer Science, vol.171(2), 11–23, 2007	Gheorghe Paun, Francisco Jose Romero-Campero. Membrane Computing as a Modeling Framework. Cellular Systems Case Studies. Lecture Notes in Computer Science vol. 5016, 168–214, 2008.	Jurnal	C	2	2	2.00
44	B. Aman, G.Ciobanu. Membrane Systems with Surface Objects. Proceedings of the International Workshop on Computing with Biomolecules (CBM 2008), 17–29, 2008	R. Barbuti, G. Caravagna, A. Maggiolo-Schettini, P. Milazzo. P Systems with Endosomes. International Journal of Computers Communications & Control, vol.4(3), 214–223, 2009.	Jurnal	C	2	4	1.00

45	B. Aman, G. Ciobanu: On the relationship between P systems and mobile ambients. FML Technical Report, http://it.iit.tuiasi.ro/TR/ , 2006.	Gheorghe Paun, Francisco Jose Romero-Campero. Membrane Computing as a Modeling Framework. Cellular Systems Case Studies. Lecture Notes in Computer Science vol. 5016, 168–214, 2008.	Jurnal	C	2	2	2.00
46	B.Aman, G. Ciobanu. Behavioural Equivalences in Real-Time P Systems. Lecture Notes in Computer Science 8340, 88-100 (2014)	Jie Xue , Xiyu Liu. Spiking Simplicial P Systems with Membrane Coefficients and Applications in Document Clustering. Lecture Notes in Computer Science 9713, 158-168 (2016)	Jurnal	C	2	2	2.00
47	Aman, B., Ciobanu, G.: Real-time migration properties of rTiMo verified in Uppaal. In: Hierons, R.M., Merayo, M.G., Bravetti, M. (eds.) SEFM 2013. LNCS, vol. 8137, pp. 31–45. Springer, Heidelberg (2013)	Wanling Xie, Shuangqing Xiang. UTP Semantics for rTiMo. Lecture Notes in Computer Science 10134, 176-196, 2017.	Jurnal	C	2	2	2.00
48	Aman, B., Ciobanu, G.: Verification of bounded real-time distributed systems with mobility. In: Proceedings of the 9th Workshop on Verification and Evaluation of Computer and Communication Systems, VECoS 2015, Bucharest, Romania, September 10–11, pp. 109–120 (2015)	Wanling Xie, Shuangqing Xiang. UTP Semantics for rTiMo. Lecture Notes in Computer Science 10134, 176-196, 2017.	Jurnal	C	2	2	2.00
49	B. Aman, G.Ciobanu. Adding Lifetime to Objects and Membranes in P Systems. International Journal of Computers, Communication & Control, vol.V(3), 268-279, 2010.	Z Janoska, J. Dvorsky: P systems: State of the Art with Respect to Representation of Geographical Space. DATESO 2012: 13-24	Conferinta	D	1	2	1.00
50	B. Aman, G. Ciobanu. Mobility in Process Calculi and Natural Computing. Springer, 2011	R. Moldovan, E.N. Todoran, Immune system modeling and simulation using Bio-PEPA, Proceedings of 2015 IEEE 11th International Conference on Intelligent Computer Communication and Processing (ICCP 2015), pp. 475-482, 2015	Conferinta	D	1	2	1.00

51	B. Aman, G. Ciobanu. Mobility in Process Calculi and Natural Computing. Springer, 2011	Konstantinos Giannakis, Alexandros Singh, Kalliopi Kastampolidou, Christos Papalitsas, Theodore Andronikos. QM Automata: A New Class of Restricted Quantum Membrane Automata. GeNeDis 2016 pp 193-204, 2017.	Conferinta	D	1	5	0.33
52	G. Ciobanu, B. Aman. On the Relationship Between Membranes and Ambients. Biosystems , vol.91(3), 515–530, 2008.	P. Kefalas, I. Stamatopoulou. Modelling of Multi-Agent Systems: Experiences with Membrane Computing and Future Challenges. AMCA-POP 2010, EPCTS vol.33, 71-82, 2010	Jurnal	D	1	2	1.00
53	G. Ciobanu, B. Aman. On the Relationship Between Membranes and Ambients. Biosystems , vol.91(3), 515–530, 2008.	V. Galpin, J. Hillston, F. Ciocchetta. A semi-quantitative equivalence for abstracting from fast reactions. CompMod 2011, EPTCS Vol.67, 34-49, 2011	Jurnal	D	1	3	1.00
54	G. Ciobanu, B. Aman. On the Relationship Between Membranes and Ambients. Biosystems , vol.91(3), 515–530, 2008.	Petros Kefalas, Ioanna Stamatopoulou, and Marian Gheorghe. Principles of Transforming Communicating X-Machines to Population P Systems. Proceedings of the International Workshop, Automata for Cellular and Molecular Computing, MTA SZTAKI, Budapest, pages 76 - 89, 2007	Lucrare stiintifica in Editura nelistata SENSE	D	1	3	1.00
55	B. Aman, G.Ciobanu. Turing Completeness Using Three Mobile Membranes. UC 2009, Lecture Notes in Computer Science, vol.5715, 42–55, 2009	Erzsebet Csuhaj-Varju, Marian Gheorghe, Gyorgy Vaszil, Marion Oswald. P Systems for Social Networks. Proc. 9th Brainstorming Week on Membrane Computing, 113-123, Fenix Editora, Sevilla, 2011.	Lucrare stiintifica in Editura nelistata SENSE	D	1	4	0.50
56	B. Aman, G.Ciobanu. Membrane Systems with Surface Objects. Proceedings of the International Workshop on Computing with Biomolecules (CBM 2008), 17–29, 2008	Erzsebet Csuhaj-Varju, Marian Gheorghe, Gyorgy Vaszil, Marion Oswald. P Systems for Social Networks. Proc. 9th Brainstorming Week on Membrane Computing, 113-123, Fenix Editora, Sevilla, 2011.	Lucrare stiintifica in Editura nelistata SENSE	D	1	4	0.50

57	Alhazov, A., Aman, B., Freund, R.: P systems with anti-matter. Lecture Notes in Computer Science, vol. 8961, pp. 66-85. Springer (2014)	Zsolt Gazdag, Miguel A. Gutierrez-Naranjo. A Characterization of PSPACE with Antimatter and Membrane Creation. Proc. 13 th Brainstorming Week on Membrane Computing, 159-177, Fenix Editora, Sevilla, 2015.	Lucrare stiintifica in Editura nelistata SENSE	D	1	2	1.00
58	B. Aman, G. Ciobanu. Mobility in Process Calculi and Natural Computing. Springer, 2011	Viorel Gaftea. Computational Intelligence in a Human Brain Model. BRAIN. Broad Research in Artificial Intelligence and Neuroscience. Vol 7, No 2, 17-24 (2016)	Lucrare stiintifica in Editura nelistata SENSE	D	1	1	1.00
59	Bogdan Aman, Gabriel Ciobanu. "Properties of enhanced mobile membranes via coloured Petri nets", Information Processing Letters 112, 243–248 (2012)	Munirah M, Aslan Alwi, Reza M.I. Pulungan. Survey Metode Formal dalam Verifikasi dan Validasi. Jurnal Informatika Vol. IV, Nomor 1, Mei 2016	Lucrare stiintifica in Editura nelistata SENSE	D	1	2	1.00
60	B. Aman, G. Ciobanu. Mutual Mobile Membranes with Objects on Surface. Natural Computing, vol. 10(2), 777–793, 2011.	L. Bioglio. Type Disciplines for Systems Biology. PhD Thesis, University of Torino. 2013	Teza	D	1	1	1.00
61	B. Aman, G. Ciobanu. Simple, Enhanced and Mutual Mobile Membranes. Transactions on Computational Systems Biology XI, LNBI (LNCS) Vol.5750, 26-44, 2009	L. Bioglio. Type Disciplines for Systems Biology. PhD Thesis, University of Torino. 2013	Teza	D	1	1	1.00
62	B. Aman, G. Ciobanu. Mobility in Process Calculi and Natural Computing. Springer, 2011	L. Bioglio. Type Disciplines for Systems Biology. PhD Thesis, University of Torino. 2013	Teza	D	1	2	1.00
63	Bogdan Aman and Gabriel Ciobanu. Timed mobile ambients for network protocols. Lecture Notes in Computer Science, vol., 5048, 234–250, 2008.	D. Cojocar. Sisteme mari de fisiere distribuite pe platforme Unix. PhD Thesis, UBB Cluj-Napoca. 2013	Teza	D	1	1	1.00
64	Bogdan Aman and Gabriel Ciobanu. Timed mobile ambients for network protocols. Lecture Notes in Computer Science, vol., 5048, 234–250, 2008.	Nosheen Gul. A Calculus of Mobility and Communication for Ubiquitous Computing. PhD Thesis, Leicester University, 2015	Teza	D	1	1	1.00

65	Aman, B. and Ciobanu, G. Timers and proximities for mobile ambients. In Computer Science - Theory and Applications, volume 4649 of Lecture Notes in Computer Science, pages 33–43. Springer-Verlag, 2007	Nosheen Gul. A Calculus of Mobility and Communication for Ubiquitous Computing. PhD Thesis, Leicester University, 2015	Teza	D	1	1	1.00
Total A/B/C/D							186.33

* Datorita numarului mare de citarii numai o parte a acestora este prezentata aici

Punctaj necesar	CS I
Cf. Ordin 6129/2016 (Anexa 2)	120

A*+A+B>=40

126

Performanta Academica Gabriel Ciobanu - Anexa 2

Nr. Crt.	Lucrare	Carte/Capitol	Categorie A/B/C/D	Punctaj categori	Nr. autori	Punctaj
1	B. Aman, G. Ciobanu. Mobile Membranes and Mobile Ambients. The Oxford Handbook of Membrane Computing. Oxford University Press, 2010	Capitol	A	8	2	8
2	G. Ciobanu. Semantics of P Systems. The Oxford Handbook of Membrane Computing, 413-436, Oxford University Press, 2010.	Capitol	A	8	1	8
3	B. Aman, G. Ciobanu. Mobility in Process Calculi and Natural Computing. Springer, 2011	Carte	B	8	2	8
4	Andrei Alexandru, Gabriel Ciobanu: Finitely Supported Mathematics - An Introduction. Springer 2016, ISBN 978-3-319-42281-7, pp. 1-185	Carte	B	8	2	8
5	B. Aman, G. Ciobanu. A Temporal Logic for Mutual Mobile Membranes with Objects on Surface. Computation, Cooperation, and Life - Essays Dedicated to Gheorghe Păun on the Occasion of His 60th Birthday. Springer, 2011.	Capitol	B	4	2	4
Total						36

Nr. Crt.	Proiect	Valoare RON	Valoare EUR	Funcția	Punctaj
1	CNMP CEEEX 47/2005	569993	126665	director	6
2	CNMP CEEEX 133/2006	200000	44444	director	2
3	CNMP PARTENERIATE D1/1052/2007	271077	60239	director	4
4	CNCSIS IDEI 402/2007	722696	160599	director	6
5	IDEI PN-II-ID-PCE-2011-3-0919	1274900	283311	director	8
Total (1 EUR=4.5 RON)					26

Nr. crt.	Membru în comitetul științific (de program) al workshopului	Punctaj
1	Fundamentals of Computer Theory (FCT) 1999	0.5
2	International Colloquium on Theoretical Aspects of Computing (ICTAC) 2014 in Bucharest	0.5
3	5th Workshop on Membrane Computing and Biologically Inspired Calculi (MeCBIC 2011), Paris (Fontainebleau), France	0.5

4	6th Workshop on Membrane Computing and Biologically Inspired Calculi (MeCBIC 2012), Newcastle, UK	0.5
5	1st Workshop on Global Computing Models and Technologies (GlobalComp 2008), SYNASC, Timisoara, Romania	0.5
6	2 nd Workshop on Global Computing Models and Technologies (GlobalComp 2009), SYNASC, Timisoara, Romania	0.5
7	3rd Workshop on Global Computing Models and Technologies (GlobalComp 2010), SYNASC, Timisoara, Romania	0.5
Total		3.5

Nr. crt.	Profesor/researcher asociat/visiting la o universitate din:	Poz. Top	Punctaj
1	Edinburgh University (1991-1992),	21-100	24
Total		0	24

Nr. crt.	Organizare evenimente științifice	Director/Membru	Punctaj
1	Fundamentals of Computer Theory (FCT) 1999	Director	2
7	International Colloquium on Theoretical Aspects of Computing (ICTAC) 2014 in Bucharest	Director	2
2	5th Workshop on Membrane Computing and Biologically Inspired Calculi (MeCBIC 2011), Paris (Fontainebleau), France	Director	2
3	6th Workshop on Membrane Computing and Biologically Inspired Calculi (MeCBIC 2012), Newcastle, UK	Director	2
4	1st Workshop on Global Computing Models and Technologies (GlobalComp 2008), SYNASC, Timisoara, Romania	membru	1
5	2 nd Workshop on Global Computing Models and Technologies (GlobalComp 2009), SYNASC, Timisoara, Romania	membru	1
6	3rd Workshop on Global Computing Models and Technologies (GlobalComp 2010), SYNASC, Timisoara, Romania	membru	1
Total			11

Nr. crt.	Premii și alte merite (la decizia universității sau institutului de cercetare) max 10% din punctajul criteriu	Punctaj
----------	--	---------

1	Premiul Grigore Moisil 2013 (rezultate obtinute in 2011)	3
2	Romanian Academy “Octav Mayer” Award for Science 2004	3
Total		6

Total	106.5
--------------	--------------

Punctaj necesar	CS I
Cf. Ordin 6129/2016 (Anexa 2)	60