

Nr. crt.	Title	Authors	Source Title	Year	Vol.	Pages		Conference Title
1	P systems with minimal parallelism	Ciobanu, Gabriel; Pan, Linqiang; Paun, Gheorghe; Perez-Jimenez, Mario J.	THEORETICAL COMPUTER SCIENCE	2007	378	117	130	
2	A rewriting logic framework for operational semantics of membrane systems	Andrei, Oana; Ciobanu, Gabriel; Lucanu, Dorel	THEORETICAL COMPUTER SCIENCE	2007	373	163	181	
3	P systems running on a cluster of computers	Ciobanu, G; Guo, WY	MEMBRANE COMPUTING	2004	2933	123	139	International Workshop on Membrane Computing
4	Distributed algorithms over communicating membrane systems	Ciobanu, G	BIOSYSTEMS	2003	70	123	133	
5	P system software simulator	Ciobanu, G; Paraschiv, D	FUNDAMENTA INFORMATICA	2002	49	61	66	
6	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
7	Flexible software architecture and language for mobile agents	Ciobanu, Gabriel; Juravle, Calin	CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE	2012	24	559	571	
8	Membrane systems and distributed computing	Ciobanu, G; Desai, R; Kumar, A	MEMBRANE COMPUTING	2003	2597	187	202	International Workshop on Membrane Computing
9	On the relationship between membranes and ambients	Ciobanu, Gabriel; Aman, Bogdan	BIOSYSTEMS	2008	91	515	530	
10	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
11	Turing Completeness Using Three Mobile Membranes	Aman, Bogdan; Ciobanu, Gabriel	UNCONVENTIONAL COMPUTATION, PROCEEDINGS	2009	5715	42	55	8th International Conference on Unconventional Computation
12	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	
13	Nominal Groups and Their Homomorphism Theorems	Alexandru, Andrei; Ciobanu, Gabriel	FUNDAMENTA INFORMATICA	2014	131	279	298	
14	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	

15	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
16	P transducers	Ciobanu, G; Paun, C; Stefanescu, G	NEW GENERATION COMPUTING	2006	24	1	28	
17	Timed Mobility in process algebra and Petri nets	Ciobanu, Gabriel; Koutny, Maciej	JOURNAL OF LOGIC AND ALGEBRAIC PROGRAMMING	2011	80	377	391	
18	Mobility in Process Calculi and Natural Computing	Aman, Bogdan; Ciobanu, Gabriel	MOBILITY IN PROCESS CALCULI AND NATURAL COMPUTING	2011		1	+	
19	Events, causality, and concurrency in membrane systems	Ciobanu, Gabriel; Lucanu, Dorel	MEMBRANE COMPUTING	2007	4860	209	227	8th International Workshop on Membrane Computing
20	Mealy multiset automata	Ciobanu, G; Gontineac, M	INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE	2006	17	111	126	Workshop on Cellular Computing (Complexity Aspects)
21	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
22	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)
23	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
24	Structural operational semantics of P systems	Andrei, O; Ciobanu, G; Lucanu, D	MEMBRANE COMPUTING	2006	3850	31	48	6th International Workshop on Membrane Computing
25	Nominal Event Structures	Alexandru, Andrei; Ciobanu, Gabriel	ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY	2012	15	79	90	
26	Enhanced Mobile Membranes: Computability Results	Ciobanu, Gabriel; Krishna, Shankara Narayanan	THEORY OF COMPUTING SYSTEMS	2011	48	715	729	
27	A Software Platform for Timed Mobility and Timed Interaction	Ciobanu, Gabriel; Juravle, Calin	FORMAL TECHNIQUES FOR DISTRIBUTED SYSTEMS, PROCEEDINGS	2009	5522	106	121	29th IFIP Formal Techniques for Networked and Distributed Systems/11th IFIP International Conference on Formal Methods for Open Object-Based Distributed Systems
28	Dual P Systems	Agrigoroaiei, Oana; Ciobanu, Gabriel	MEMBRANE COMPUTING	2009	5391	95	107	9th International Workshop on Membrane Computing

29	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
30	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)
31	Continuation Semantics for Asynchronous Concurrency	Ciobanu, Gabriel; Todoran, Eneia Nicolae	FUNDAMENTA INFORMATICA	2014	131	373	388	
32	Flattening the Transition P Systems with Dissolution	Agrigoroaiei, Oana; Ciobanu, Gabriel	MEMBRANE COMPUTING	2010	6501	53	+	11th International Conference on Membrane Computing
33	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)
34	A programming perspective of the membrane systems	Ciobanu, Gabriel	INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL	2006	1	13	22	
35	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
36	Conformon-driven biopolymer shape changes in cell modeling	Ji, SC; Ciobanu, G	BIOSYSTEMS	2003	70	165	181	
37	Similarity relations in fuzzy attribute-oriented concept lattices	Ciobanu, Gabriel; Vaideanu, Cristian	FUZZY SETS AND SYSTEMS	2015	275	88	109	
38	A Nominal Approach of Fusion Calculus	Alexandru, Andrei; Ciobanu, Gabriel	ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY	2014	17	265	288	
39	Nominal Techniques for pi I-Calculus	Alexandru, Andrei; Ciobanu, Gabriel	ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY	2013	16	261	286	
40	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)
41	Properties of enhanced mobile membranes via coloured Petri nets	Aman, Bogdan; Ciobanu, Gabriel	INFORMATION PROCESSING LETTERS	2012	112	243	248	
42	Rule-based and object-based event structures for membrane systems	Agrigoroaiei, Oana; Ciobanu, Gabriel	JOURNAL OF LOGIC AND ALGEBRAIC PROGRAMMING	2010	79	295	303	

43	On the computational power of enhanced mobile membranes	Krishna, Shankara Narayanan; Ciobanu, Gabriel	LOGIC AND THEORY OF ALGORITHMS	2008	5028	326	+	4th Conference on Computability in Europe (CiE 2008)
44	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
45	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
46	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
47	Molecular interaction	Ciobanu, G; Rotaru, M	THEORETICAL COMPUTER SCIENCE	2002	289	801	827	
48	Verification of membrane systems with delays via Petri nets with delays	Aman, Bogdan; Ciobanu, Gabriel	THEORETICAL COMPUTER SCIENCE	2015	598	87	101	
49	PERTIMO: A Model of Spatial Migration with Safe Access Permissions	Ciobanu, Gabriel; Koutny, Maciej	COMPUTER JOURNAL	2015	58	1041	1060	
50	Nominal Semantics of Mobility	Alexandru, Andrei; Ciobanu, Gabriel	ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY	2012	15	171	214	
51	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)
52	Adding Lifetime to Objects and Membranes in P Systems	Aman, B.; Ciobanu, G.	INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL	2010	5	268	279	
53	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	
54	Computational Complexity of Simple P Systems	Ciobanu, Gabriel; Resios, Andreas	FUNDAMENTA INFORMATICA	2008	87	49	59	
55	Equivalent transformations of automata by using behavioural automata	Ciobanu, Gabriel; Rudeanu, Sergiu	JOURNAL OF UNIVERSAL COMPUTER SCIENCE	2007	13	1540	1549	

56	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	
57	Algebraic and coalgebraic aspects of membrane computing	Ciobanu, G; Gontineac, VM	MEMBRANE COMPUTING	2006	3850	181	198	6th International Workshop on Membrane Computing
58	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
59	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)
60	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
61	Correct metric semantics for a language inspired by DNA computing	Ciobanu, Gabriel; Todoran, Eneia Nicolae	CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE	2016	28	3042	3060	
62	Strategy based semantics for mobility with time and access permissions	Ciobanu, Gabriel; Koutny, Maciej; Steggles, Jason	FORMAL ASPECTS OF COMPUTING	2015	27	525	549	
63	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)
64	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)
65	Rewriting Systems Over Indexed Multisets	Agrigoroaiei, Oana; Ciobanu, Gabriel	COMPUTER JOURNAL	2014	57	165	179	
66	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)
67	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	
68	Reversing computation in membrane systems	Agrigoroaiei, Oana; Ciobanu, Gabriel	JOURNAL OF LOGIC AND ALGEBRAIC PROGRAMMING	2010	79	278	288	

69	Mobile Agents with Timers, and Their Implementation	Ciobanu, Gabriel; Juravle, Calin	INTELLIGENT DISTRIBUTED COMPUTING IV	2010	315	229	+	4th International Symposium on Intelligent Distributed Computing
70	On the branching complexity of P systems	Ciobanu, Gabriel; Paun, Gheorghe; Perez-Jimenez, Mario J.	FUNDAMENTA INFORMATICA	2006	73	27	36	
71	P machines: An automata approach to membrane computing	Ciobanu, Gabriel; Gontineac, Mihai	MEMBRANE COMPUTING	2006	4361	314	+	7th International Workshop on Membrane Computing
72	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)
73	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
74	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	
75	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	
76	Modelling and verification of weighted spiking neural systems	Aman, Bogdan; Ciobanu, Gabriel	THEORETICAL COMPUTER SCIENCE	2016	623	92	102	
77	Main Steps in Defining Finitely Supported Mathematics	Alexandru, Andrei; Ciobanu, Gabriel	INFORMATION AND COMMUNICATION TECHNOLOGIES IN EDUCATION, RESEARCH, AND INDUSTRIAL APPLICATIONS	2016	594	73	90	11th International Conference on Information and Communication Technologies in Education, Research, and Industrial Applications (ICTERI) - Integration, Harmonization, and Knowledge Transfer
78	Abstract Interpretations in the Framework of Invariant Sets	Alexandru, Andrei; Ciobanu, Gabriel	FUNDAMENTA INFORMATICA	2016	144	1	22	
79	Scalable distributed implementation of a biologically inspired parallel model	Ciobanu, Gabriel	COMPLEX & INTELLIGENT SYSTEMS	2015	1	69	80	
80	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	
81	GENERALIZED MULTISSETS: FROM ZF TO FSM	Alexandru, Andrei; Ciobanu, Gabriel	COMPUTING AND INFORMATICS	2015	34	1133	1150	

82	Visible and invisible structures in Renaissance paintings	Ciobanu, Gabriel; Ungureanu, Cristian	MATERIALS TODAY-PROCEEDINGS	2015	2	3884	3888	10th International Conference on Physics of Advanced Materials (ICPAM)
83	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)
84	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)
85	PHASE: A Stochastic Formalism for Phase-Type Distributions	Ciobanu, Gabriel; Rotaru, Armand Stefan	FORMAL METHODS AND SOFTWARE ENGINEERING, ICFEM 2014	2014	8829	91	106	16th International Conference on Formal Engineering Methods (ICFEM)
86	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)
87	General patterns of interaction in stochastic fusion	Ciobanu, Gabriel	NATURAL COMPUTING	2013	12	429	439	
88	Scenario Based P Systems	Ciobanu, Gabriel; Sburlan, Dragos	INTERNATIONAL JOURNAL OF UNCONVENTIONAL COMPUTING	2013	9	351	366	
89	AN EXTENSION OF A PERMUTATIVE MODEL OF SET THEORY	Alexandru, Andrei; Ciobanu, Gabriel	ANALELE STIINTIFICE ALE UNIVERSITATII AL I CUZA DIN IASI-SERIE NOUA-MATEMATICA	2012	58	1	18	
90	Mutual mobile membranes with objects on surface	Aman, Bogdan; Ciobanu, Gabriel	NATURAL COMPUTING	2011	10	777	793	
91	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	
92	Finding Network Resources by Using Mobile Agents	Ciobanu, Gabriel	INTELLIGENT DISTRIBUTED COMPUTING IV	2010	315	305	313	4th International Symposium on Intelligent Distributed Computing
93	Mobility in Computer Science and in Membrane Systems	Ciobanu, Gabriel	MEMBRANE COMPUTING	2010	6501	7	17	11th International Conference on Membrane Computing
94	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
95	Typed Membrane Systems	Aman, Bogdan; Ciobanu, Gabriel	MEMBRANE COMPUTING	2010	5957	169	+	10th International Workshop on Membrane Computing

96	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
97	UTP and Temporal Logic Model Checking	Anderson, Hugh; Ciobanu, Gabriel; Freitas, Leo	UNIFYING THEORIES OF PROGRAMMING	2010	5713	22	+	2nd International Symposium on Unifying Theories of Programming
98	Final and sequential behaviours of M-automata	Ciobanu, Gabriel; Rudeanu, Sergiu	ACTA INFORMATICA	2009	46	361	374	
99	COORDINATED MOBILE AGENTS	Ciobanu, Gabriel	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE	2009	10	73	79	
##	From gene regulation to stochastic fusion	Ciobanu, Gabriel	UNCONVENTIONAL COMPUTATION, PROCEEDINGS	2008	5204	51	63	7th International Conference on Unconventional Computation
##	Compositional asynchronous membrane systems	Bonchis, Cosmin; Izbasa, Cornel; Ciobanu, Gabriel	PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL	2007	17	411	416	
##	Probabilistic transitions for P systems	Ciobanu, Gabriel; Cornacel, Laura	PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL	2007	17	432	441	
##	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)
##	ON CERTAIN LATTICE - ORDERED SEMIGROUPS	CIOBANU, G; DEACONESCU, M	SEMIGROUP FORUM	1985	31	367	371	
##	An efficient method to factorize fuzzy attribute-oriented concept lattices	Ciobanu, Gabriel; Vaideanu, Cristian	FUZZY SETS AND SYSTEMS	2017	317	121	132	
##	Efficiently solving the Bin Packing problem through bio-inspired mobility	Aman, Bogdan; Ciobanu, Gabriel	ACTA INFORMATICA	2017	54	435	445	
##	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	
##	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	

##	A universality theorem for the sequential behaviour of minimal F-automata	Ciobanu, Gabriel; Rudeanu, Sergiu	PUBLICATIONES MATHEMATICAE-DEBRECEN	2017	90	33	38	
##	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)
##	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)
##	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)
##	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)
##	Solving NP-complete Problems in Polynomial Time by Using a Natural Computing Model	Aman, Bogdan; Ciobanu, Gabriel	INFORMATION AND COMMUNICATION TECHNOLOGIES IN EDUCATION, RESEARCH, AND INDUSTRIAL APPLICATIONS	2016	594	91	108	11th International Conference on Information and Communication Technologies in Education, Research, and Industrial Applications (ICTERI) - Integration, Harmonization, and Knowledge Transfer
##	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)
##	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)
##	FINITELY SUPPORTED SUBGROUPS OF A NOMINAL GROUP	Alexandru, Andrei; Ciobanu, Gabriel	MATHEMATICAL REPORTS	2016	18	233	246	
##	Verifying vehicle control systems by using process calculi	Ciobanu, Gabriel; Rotaru, Armand Stefan	INTERNATIONAL JOURNAL OF AD HOC AND UBIQUITOUS COMPUTING	2016	21	41	49	

##	Pawlak Approximations in the Framework of Nominal Sets	Alexandru, Andrei; Ciobanu, Gabriel	JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING	2016	26	439	466	
##	Scalable distributed implementation of a biologically inspired parallel model (vol 1, pg 69, 2015)	Ciobanu, Gabriel	COMPLEX & INTELLIGENT SYSTEMS	2015	1	81	81	
##	Behavioural observations of cell movements with timing aspects	Aman, Bogdan; Ciobanu, Gabriel	NANO COMMUNICATION NETWORKS	2015	6	96	102	8th International Conference on Bio-Inspired Information and Communications Technologies (BICT)
##	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	
##	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)
##	Mobility Types for Cloud Computing	Aman, Bogdan; Ciobanu, Gabriel	EMBRACING GLOBAL COMPUTING IN EMERGING ECONOMIES, EGC 2015	2015	514	43	53	1st Workshop on Embracing Global Computing in Emerging Economies (EGC)
##	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)
##	A Grand Master of Discrete Mathematics	Ciobanu, Gabriel	SCIENTIFIC ANNALS OF COMPUTER SCIENCE	2015	25	1	2	
##	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)
##	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)

##	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)
##	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)
##	Monitoring Changes in Dynamic Multiset Systems	Ciobanu, Gabriel; Sburlan, Dragos	FUNDAMENTA INFORMATICA E	2014	134	67	82	
##	A TOPOLOGICAL APPROACH IN THE EXTENDED FRAENKEL-MOSTOWSKI MODEL OF SET THEORY	Alexandru, Andrei; Ciobanu, Gabriel	ANALELE STIINTIFICE ALE UNIVERSITATII AL I CUZA DIN IASI-SERIE NOUA-MATEMATICA	2014	60	261	277	
##	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)
##	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	
##	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)
##	Computational Power of Protein Interaction Networks	Aman, Bogdan; Ciobanu, Gabriel	UNCONVENTIONAL COMPUTATION AND NATURAL COMPUTATION	2013	7956	248	249	12th International Conference on Unconventional Computation and Natural Computation (UCNC)
##	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	

##	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)
##	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)
##	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)
##	Nominal semantics of the pi l-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)
##	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)
##	COMPUTING BY ENDOCYTOSIS AND EXOCYTOSIS	Aman, Bogdan; Ciobanu, Gabriel	ANALELE STIINTIFICE ALE UNIVERSITATII AL I CUZA DIN IASI-SERIE NOUA-MATEMATICA	2011	57	13	24	
##	A Temporal Logic for Mutual Mobile Membranes with Objects on Surface	Aman, Bogdan; Ciobanu, Gabriel	COMPUTATION, COOPERATION, AND LIFE	2011	6610	138	150	
##	ENCODINGS OF MULTISETS	Ciobanu, Gabriel; Gontineac, Mihai	INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE	2009	20	381	393	
##	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

##	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
##	On the Power of Endocytosis and Exocytosis	Ciobanu, Gabriel	2008 THIRD INTERNATIONAL CONFERENCE ON BIO-INSPIRED COMPUTING: THEORIES AND APPLICATIONS	2008		7	7	3rd International Conference on Bio-Inspired Computing - Theories and Applications
##	Time and space coordination of mobile agents	Ciobanu, Gabriel	ADVANCES IN INTELLIGENT AND DISTRIBUTED COMPUTING	2008	78	9	23	1st International Symposium on Intelligent and Distributed Computing (IDC 2007)
##	Synchronizing the Shared Resources	Ciobanu, G.; Rusu, D.	ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY	2008	11	281	291	
##	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)
##	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
##	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
##	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
##	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
##	Theory and applications of P systems - Preface	Ciobanu, Gabriel	INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS	2006	83	525	527	
##	Formalizing peer-to-peer systems based on Content Addressable Network	Iftene, Adrian; Ciobanu, Gabriel	INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL	2006	1	268	273	

##	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
##	An automata description of the genetic message translation	Ciobanu, G; Gontineac, N	FUNDAMENTA INFORMATICAIE	2005	64	93	107	
##	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
##	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
##	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
##	Cellular meta-programming over membranes	Ciobanu, G; Lucanu, D	UNCONVENTIONAL PROGRAMMING PARADIGMS	2005	3566	196	206	International Workshop on Unconventional Programming Paradigms
##	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)
##	Software verification of biomolecular systems	Ciobanu, G	MODELLING IN MOLECULAR BIOLOGY	2004		39	57	Workshop on Modelling in Molecular Biology
##	Discrete event systems and client-server model for signaling mechanisms	Ciobanu, G; Huzum, D	COMPUTATIONAL METHODS IN SYSTEMS BIOLOGY, PROCEEDINGS	2003	2602	175	177	1st International Workshop on Computational Methods in Systems Biology
##	Gene expression by software mechanisms	Ciobanu, G; Tanasa, B	FUNDAMENTA INFORMATICAIE	2002	49	67	80	
##	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
##	ON THE HYPERSTRUCTURE OF NONDETERMINISTIC PROCESSES	CIOBANU, G	ALGEBRAIC HYPERSTRUCTURES AND APPLICATIONS	1994		243	250	5th International Congress on Algebraic Hyperstructures and Applications