

**Productia Stiintifica Gabriel Ciobanu (Anexa 1)**

Nr. crt.	Title	Authors	Source Title	Year	Vol.	Pages		Impact Factor	Punctaj
1	Similarity relations in fuzzy attribute-oriented concept lattices	Ciobanu, Gabriel; Vaideanu, Cristian	FUZZY SETS AND SYSTEMS	2015	275	88	109	2.718	94.040
2	An efficient method to factorize fuzzy attribute-oriented concept lattices	Ciobanu, Gabriel; Vaideanu, Cristian	FUZZY SETS AND SYSTEMS	2017	317	121	132	2.718	94.040
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		10.000
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		15.000
5	Private Names in Non-Commutative Logic	Ross Horne, Alwen Tiu, Bogdan Aman, Gabriel Ciobanu:	CONCUR	2016		31:1	31:16		3.750
6	Distributed algorithms over communicating membrane systems	Ciobanu, G	BIOSYSTEMS	2003	70	123	133	1.652	124.120
7	Timed mobile ambients for network protocols	Aman, Bogdan; Ciobanu, Gabriel	FORMAL TECHNIQUES FOR NETWORKED AND DISTRIBUTED SYSTEMS - FORTE 2008	2008	5048	234	250		7.500
8	Modelling and verification of timed interaction and migration	Ciobanu, Gabriel; Koutny, Maciej	FUNDAMENTAL APPROACHES TO SOFTWARE ENGINEERING, PROCEEDINGS	2008	4961	215	+		7,5
9	Extracting Threshold Conceptual Structures from Web Documents	Ciobanu, Gabriel; Horne, Ross; Vaideanu, Cristian	GRAPH-BASED REPRESENTATION AND REASONING	2014	8577	130	144		5.000
10	A Formal Topology of Web Classification	Ciobanu, Gabriel; Rusu, Danut	GRAPH-BASED REPRESENTATION AND REASONING	2014	8577	145	158		7.500
11	Catalytic and communicating Petri nets are Turing complete	Ciobanu, Gabriel; Pinna, G. Michele	INFORMATION AND COMPUTATION	2014	239	55	70	1.050	44.000
12	Properties of enhanced mobile membranes via coloured Petri nets	Aman, Bogdan; Ciobanu, Gabriel	INFORMATION PROCESSING LETTERS	2012	112	243	248	0.748	34.940
13	Specification and verification of synchronizing concurrent objects	Ciobanu, G; Lucanu, D	INTEGRATED FORMAL METHODS, PROCEEDINGS	2004	2999	307	327		0.750

14	Theory and applications of P systems - Preface	Ciobanu, Gabriel	INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS	2006	83	525	527	0.971	41.630
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	1.612	60.860
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	0.692	22.173
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	0.692	22.173
18	Abstract structures for communication between processes	Ciobanu, G; Olariu, EF	PERSPECTIVES OF SYSTEM INFORMATICS	2000	1755	221	227		7.500
19	Descriptive Types for Linked Data Resources	Ciobanu, Gabriel; Horne, Ross; Sassone, Vladimiro	PERSPECTIVES OF SYSTEM INFORMATICS, PSI 2014	2015	8974	1	25		5.000
20	Behavioural Analysis of Sessions Using the Calculus of Structures	Ciobanu, Gabriel; Horne, Ross	PERSPECTIVES OF SYSTEM INFORMATICS, PSI 2015	2016	9609	91	106		5.000
21	Encoding mobile ambients into the pi-calculus	Ciobanu, Gabriel; Zakharov, Vladimir A.	PERSPECTIVES OF SYSTEMS INFORMATICS	2007	4378	148	165		5.000
22	COORDINATED MOBILE AGENTS	Ciobanu, Gabriel	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE	2009	10	73	79	1.623	122.380
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	1.623	61.190
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	1.623	61.190
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	1.623	61.190
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	2.038	24.547
27	Compositional asynchronous membrane systems	Bonchis, Cosmin; Izbasa, Cornel; Ciobanu, Gabriel	PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL	2007	17	411	416	2.038	49.093
28	Probabilistic transitions for P systems	Ciobanu, Gabriel; Cornacel, Laura	PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL	2007	17	432	441	2.038	73.640

29	Behavioural Types Inspired by Cellular Thresholds	Aman, Bogdan; Ciobanu, Gabriel	SOFTWARE ENGINEERING AND FORMAL METHODS	2014	8368	29	43		7.500
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		7.500
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		7.500
32	A topological approach of the Web classification	Ciobanu, Gabriel; Rusu, Danut	THEORETICAL ASPECTS OF COMPUTING - ICTAC 2006	2006	4281	80	92		7.500
33	Mobile ambients with timers and types	Aman, Bogdan; Ciobanu, Gabriel	THEORETICAL ASPECTS OF COMPUTING - ICTAC 2007, PROCEEDINGS	2007	4711	50	+		7.500
34	Non-interleaving semantics with causality for nondeterministic dataflow	Agrigoroaiei, Oana; Ciobanu, Gabriel	THEORETICAL ASPECTS OF COMPUTING - ICTAC 2008, PROCEEDINGS	2008	5160	66	+		7.500
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		5.000
36	Enhanced Mobile Membranes: Computability Results	Ciobanu, Gabriel; Krishna, Shankara Narayanan	THEORY OF COMPUTING SYSTEMS	2011	48	715	729	0.645	31.850
37	Model checking for object specifications in hidden algebra	Lucanu, D; Ciobanu, G	VERIFICATION, MODEL CHECKING, AND ABSTRACT INTERPRETATION, PROCEEDINGS	2004	2937	97	109		7.500
38	On the relationship between membranes and ambients	Ciobanu, Gabriel; Aman, Bogdan	BIOSYSTEMS	2008	91	515	530	1.652	62.060
39	Conformon-driven biopolymer shape changes in cell modeling	Ji, SC; Ciobanu, G	BIOSYSTEMS	2003	70	165	181	1.652	62.060
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		7.500
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		7.500
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		7.500

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		7.500
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		5.000
45	Nominal Fusion Calculus	Alexandru, Andrei; Ciobanu, Gabriel	14TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING (SYNASC 2012)	2012		376	383		7.500
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		7.500
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		7.500
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		15.000
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		7.500
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		7.500
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		7.500

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		5.000
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		7.500
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		7.500
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	1.000	42.500
56	Final and sequential behaviours of M-automata	Ciobanu, Gabriel; Rudeanu, Sergiu	ACTA INFORMATICA	2009	46	361	374	1.000	42.500
57	Efficiently solving the Bin Packing problem through bio-inspired mobility	Aman, Bogdan; Ciobanu, Gabriel	ACTA INFORMATICA	2017	54	435	445	1.000	42.500
58	Essential and density topologies of continuous domains	Rusu, Danut; Ciobanu, Gabriel	ANNALS OF PURE AND APPLIED LOGIC	2016	167	726	736	0.647	31.910
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		7.500
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	0.362	23.360
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	0.362	23.360
62	Self-organizing distribution of agents over hosts	Ciobanu, G; Rusu, D	COMPUTER AND INFORMATION SCIENCES - ISCIS 2005, PROCEEDINGS	2005	3733	462	471		7.500
63	PERTIMO: A Model of Spatial Migration with Safe Access Permissions	Ciobanu, Gabriel; Koutny, Maciej	COMPUTER JOURNAL	2015	58	1041	1060	0.711	33.830
64	Rewriting Systems Over Indexed Multisets	Agrigoroaiei, Oana; Ciobanu, Gabriel	COMPUTER JOURNAL	2014	57	165	179	0.711	33.830
65	Timers and proximities for mobile ambients	Aman, Bogdan; Ciobanu, Gabriel	COMPUTER SCIENCE - THEORY AND APPLICATIONS	2007	4649	33	+		7.500

66	GENERALIZED MULTISSETS: FROM ZF TO FSM	Alexandru, Andrei; Ciobanu, Gabriel	COMPUTING AND INFORMATICS	2015	34	1133	1150	0.504	27.620
67	Flexible software architecture and language for mobile agents	Ciobanu, Gabriel; Juravle, Calin	CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE	2012	24	559	571	1.133	46.490
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	1.133	46.490
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	1.041	29.153
70	P system software simulator	Ciobanu, G; Paraschiv, D	FUNDAMENTA INFORMATICAЕ	2002	49	61	66	0.687	33.110
71	Nominal Groups and Their Homomorphism Theorems	Alexandru, Andrei; Ciobanu, Gabriel	FUNDAMENTA INFORMATICAЕ	2014	131	279	298	0.687	33.110
72	Continuation Semantics for Asynchronous Concurrency	Ciobanu, Gabriel; Todoran, Eneia Nicolae	FUNDAMENTA INFORMATICAЕ	2014	131	373	388	0.687	33.110
73	Computational Complexity of Simple P Systems	Ciobanu, Gabriel; Resios, Andreas	FUNDAMENTA INFORMATICAЕ	2008	87	49	59	0.687	33.110
74	On the branching complexity of P systems	Ciobanu, Gabriel; Paun, Gheorghe; Perez-Jimenez, Mario J.	FUNDAMENTA INFORMATICAЕ	2006	73	27	36	0.687	22.073
75	Abstract Interpretations in the Framework of Invariant Sets	Alexandru, Andrei; Ciobanu, Gabriel	FUNDAMENTA INFORMATICAЕ	2016	144	1	22	0.687	33.110
76	Monitoring Changes in Dynamic Multiset Systems	Ciobanu, Gabriel; Sburlan, Dragos	FUNDAMENTA INFORMATICAЕ	2014	134	67	82	0.687	33.110
77	An automata description of the genetic message translation	Ciobanu, G; Gontineac, N	FUNDAMENTA INFORMATICAЕ	2005	64	93	107	0.687	33.110
78	Gene expression by software mechanisms	Ciobanu, G; Tanasa, B	FUNDAMENTA INFORMATICAЕ	2002	49	67	80	0.687	33.110
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	+		7.500
80	A programming perspective of the membrane systems	Ciobanu, Gabriel	INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL	2006	1	13	22	1.374	53.720
81	Adding Lifetime to Objects and Membranes in P Systems	Aman, B.; Ciobanu, G.	INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL	2010	5	268	279	1.374	53.720
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	1.374	53.720

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	1.374	53.720
84	Mealy multiset automata	Ciobanu, G; Gontineac, M	INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE	2006	17	111	126	1.374	53.720
85	ENCODINGS OF MULTISSETS	Ciobanu, Gabriel; Gontineac, Mihai	INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE	2009	20	381	393	1.374	53.720
86	Scenario Based P Systems	Ciobanu, Gabriel; Sburlan, Dragos	INTERNATIONAL JOURNAL OF UNCONVENTIONAL COMPUTING	2013	9	351	366	0.911	39.830
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	0.667	32.510
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	0.667	32.510
89	Equivalent transformations of automata by using behavioural automata	Ciobanu, Gabriel; Rudeanu, Sergiu	JOURNAL OF UNIVERSAL COMPUTER SCIENCE	2007	13	1540	1549	0.466	26.480
90	FINITELY SUPPORTED SUBGROUPS OF A NOMINAL GROUP	Alexandru, Andrei; Ciobanu, Gabriel	MATHEMATICAL REPORTS	2016	18	233	246		15.000
91	P systems running on a cluster of computers	Ciobanu, G; Guo, WY	MEMBRANE COMPUTING	2004	2933	123	139		7.500
92	Distributed evolutionary algorithms inspired by membranes in solving continuous optimization problems	Zaharie, Daniela; Ciobanu, Gabriel	MEMBRANE COMPUTING	2006	4361	536	+		7.500
93	Membrane systems and distributed computing	Ciobanu, G; Desai, R; Kumar, A	MEMBRANE COMPUTING	2003	2597	187	202		5.000
94	Expressing control mechanisms of membranes by rewriting strategies	Andrei, Oana; Ciobanu, Gabriel; Lucanu, Dorel	MEMBRANE COMPUTING	2006	4361	154	169		5.000
95	Events, causality, and concurrency in membrane systems	Ciobanu, Gabriel; Lucanu, Dorel	MEMBRANE COMPUTING	2007	4860	209	227		7.500
96	A P system description of the sodium-potassium pump	Besozzi, D; Ciobanu, G	MEMBRANE COMPUTING	2004	3365	210	223		7.500
97	Structural operational semantics of P systems	Andrei, O; Ciobanu, G; Lucanu, D	MEMBRANE COMPUTING	2006	3850	31	48		5.000
98	Dual P Systems	Agrigoroaiei, Oana; Ciobanu, Gabriel	MEMBRANE COMPUTING	2009	5391	95	107		7.500

99	Flattening the Transition P Systems with Dissolution	Agrigoroaiei, Oana; Ciobanu, Gabriel	MEMBRANE COMPUTING	2010	6501	53	+		7.500
100	On the reachability problem in P systems with mobile membranes	Aman, Bogdan; Ciobanu, Gabriel	MEMBRANE COMPUTING	2007	4860	113	+		7.500
101	Algebraic and coalgebraic aspects of membrane computing	Ciobanu, G; Gontineac, VM	MEMBRANE COMPUTING	2006	3850	181	198		7.500
102	P machines: An automata approach to membrane computing	Ciobanu, Gabriel; Gontineac, Mihai	MEMBRANE COMPUTING	2006	4361	314	+		7.500
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		3.750
104	Mobility in Computer Science and in Membrane Systems	Ciobanu, Gabriel	MEMBRANE COMPUTING	2010	6501	7	17		15.000
105	Evolving by Maximizing the Number of Rules: Complexity Study	Agrigoroaiei, Oana; Ciobanu, Gabriel; Resios, Andreas	MEMBRANE COMPUTING	2010	5957	149	+		5.000
106	Typed Membrane Systems	Aman, Bogdan; Ciobanu, Gabriel	MEMBRANE COMPUTING	2010	5957	169	+		7.500
107	Executable specifications of P systems	Andrei, O; Ciobanu, G; Lucanu, D	MEMBRANE COMPUTING	2004	3365	126	145		7.500
108	Automated Verification of Stochastic Spiking Neural P Systems	Aman, Bogdan; Ciobanu, Gabriel	MEMBRANE COMPUTING (CMC 2015)	2015	9504	77	91		7.500
109	General patterns of interaction in stochastic fusion	Ciobanu, Gabriel	NATURAL COMPUTING	2013	12	429	439	0.778	35.840
110	Mutual mobile membranes with objects on surface	Aman, Bogdan; Ciobanu, Gabriel	NATURAL COMPUTING	2011	10	777	793	0.778	35.840
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	0.778	35.840
112	P transducers	Ciobanu, G; Paun, C; Stefanescu, G	NEW GENERATION COMPUTING	2006	24	1	28	0.778	35.840
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	+	0.657	32.210
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		7.500



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	+		7.500
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	+		3.750
117	A universality theorem for the sequential behaviour of minimal F-automata	Ciobanu, Gabriel; Rudeanu, Sergiu	PUBLICATIONES MATHEMATICAE-DEBRECEN	2017	90	33	38		15.000
118	Nominal Event Structures	Alexandru, Andrei; Ciobanu, Gabriel	ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY	2012	15	79	90		7.500
119	A Nominal Approach of Fusion Calculus	Alexandru, Andrei; Ciobanu, Gabriel	ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY	2014	17	265	288		7.500
120	Nominal Techniques for pi I-Calculus	Alexandru, Andrei; Ciobanu, Gabriel	ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY	2013	16	261	286		7.500
121	Nominal Semantics of Mobility	Alexandru, Andrei; Ciobanu, Gabriel	ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY	2012	15	171	214		7.500
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		5.000
123	Synchronizing the Shared Resources	Ciobanu, G.; Rusu, D.	ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY	2008	11	281	291		7.500
124	ON CERTAIN LATTICE - ORDERED SEMIGROUPS	CIOBANU, G; DEACONESCU, M	SEMIGROUP FORUM	1985	31	367	371	0.526	28.280
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		15.000
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		7.500
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		5.000
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		15.000

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	+		5.000
130	P systems with minimal parallelism	Ciobanu, Gabriel; Pan, Linqiang; Paun, Gheorghe; Perez-Jimenez, Mario J.	THEORETICAL COMPUTER SCIENCE	2007	378	117	130	0.698	33.440
131	A rewriting logic framework for operational semantics of membrane systems	Andrei, Oana; Ciobanu, Gabriel; Lucanu, Dorel	THEORETICAL COMPUTER SCIENCE	2007	373	163	181	0.698	33.440
132	Molecular interaction	Ciobanu, G; Rotaru, M	THEORETICAL COMPUTER SCIENCE	2002	289	801	827	0.698	33.440
133	Verification of membrane systems with delays via Petri nets with delays	Aman, Bogdan; Ciobanu, Gabriel	THEORETICAL COMPUTER SCIENCE	2015	598	87	101	0.698	33.440
134	Modelling and verification of weighted spiking neural systems	Aman, Bogdan; Ciobanu, Gabriel	THEORETICAL COMPUTER SCIENCE	2016	623	92	102	0.698	33.440
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	0.698	33.440
136	Simple, Enhanced and Mutual Mobile Membranes	Aman, Bogdan; Ciobanu, Gabriel	TRANSACTIONS ON COMPUTATIONAL SYSTEMS BIOLOGY XI	2009	5750	26	+		15.000
137	Turing Completeness Using Three Mobile Membranes	Aman, Bogdan; Ciobanu, Gabriel	UNCONVENTIONAL COMPUTATION, PROCEEDINGS	2009	5715	42	55		7.500
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		5.000
139	Formalizing the Behavior of Biological Processes with Mobility	Aman, Bogdan; Ciobanu, Gabriel	UNCONVENTIONAL COMPUTATION, PROCEEDINGS	2010	6079	187	187		7.500
140	From gene regulation to stochastic fusion	Ciobanu, Gabriel	UNCONVENTIONAL COMPUTATION, PROCEEDINGS	2008	5204	51	63		15.000
<b>Total</b>									<b>3307.813</b>

**Impactul Rezultatelor Gabriel Ciobanu\* (Anexa 1)**

<b>Nr. Crt.</b>	<b>Lucrare</b>	<b>Citari</b>	<b>Impact Factor</b>	<b>Punctaj</b>
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		25.00
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		50.00
	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		50.00
	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		50.00
	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		50.00
3	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		50.00
4	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		50.00

	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	3.317	46.46
	G Ciobanu, D Paraschiv. P system software simulator. Fundamenta Informaticae 49 (1-3), 61-66	Paun Gheorghe. Membrane Computing - An Introduction. Springer 2012		50.00
	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	1.652	25.65
	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.	1.652	25.65
	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	1.652	25.65
	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	1.652	25.65
	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	1.652	25.65

	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	1.652	25.65
	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	1.652	25.65
	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	1.652	25.65
	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		50.00
	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		50.00
	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		50.00
5	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	0.698	13.73
6	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	0.698	13.73

7	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.	0.698	13.73
8	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.	0.698	13.73
14	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.	0.778	14.73
15	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.	0.687	13.59
16	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.	0.778	14.73
17	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.	0.687	13.59
18	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.	0.687	13.59

19	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.	0.687	13.59
20	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	0.778	14.73
21	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	0.778	14.73
22	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	0.778	14.73
24	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	0.778	14.73
25	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		5.00
32	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.	1.374	22.18
<b>Total</b>				<b>1001.44</b>

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

**Carti stiintifice publicate (prima editie)**

<b>Nr. Crt.</b>	<b>Carte</b>	<b>Scor</b>
1	B. Aman, G. Ciobanu. Mobility in Process Calculi and Natural Computing. Springer, 2011, 194 pagini	70
2	Andrei Alexandru, Gabriel Ciobanu: Finitely Supported Mathematics - An Introduction. Springer 2016, ISBN 978-3-319-42281-7, pp. 1-185	70
<b>Total</b>		<b>140</b>

**Articole publicate in enciclopedii**

<b>Nr. Crt.</b>	<b>Carte</b>	<b>Scor</b>
1	B. Aman, G. Ciobanu. Mobile Membranes and Mobile Ambients. The Oxford Handbook of Membrane Computing. Oxford University Press, 2010	15
2	G. Ciobanu. Semantics of P Systems. The Oxford Handbook of Membrane Computing, 413-436, Oxford University Press, 2010.	30
<b>Total</b>		<b>45</b>

**Contracte de cercetare stiintifica nationale**

<b>Nr. Crt.</b>	<b>Proiect</b>	<b>Valoare RON</b>	<b>Functia</b>	<b>Scor</b>
1	CNMP CEEEX 47/2005	569993	director	50.00
2	CNMP CEEEX 133/2006	200000	director	50.00
3	CNMP PARTENERIATE D1/1052/2007	271077	director	50.00
4	CNCSIS IDEI 402/2007	722696	director	50.00
5	IDEI PN-II-ID-PCE-2011-3-0919	1274900	director	50.00
<b>Total</b>				<b>250.00</b>

**Premii ale Academiei Romane**

<b>Nr. crt.</b>	<b>Premiu</b>	<b>Scor</b>
1	Premiul Grigore Moisil 2013 (rezultate obtinute in 2011)	25
2	Romanian Academy "Octav Mayer" Award for Science 2004	25
<b>Total</b>		<b>50</b>



**Participari la manifestari stiintifice**

<b>Nr. crt.</b>	<b>Membru în comitetul științific (de program) al workshopului</b>	<b>Scor</b>
1	Fundamentals of Computer Theory (FCT) 1999	15
2	International Colloquium on Theoretical Aspects of Computing (ICTAC) 2014 in Bucharest	15
3	5th Workshop on Membrane Computing and Biologically Inspired Calculi (MeCBIC 2011), Paris (Fontainebleau), France	15
4	6th Workshop on Membrane Computing and Biologically Inspired Calculi (MeCBIC 2012), Newcastle, UK	15
5	1st Workshop on Global Computing Models and Technologies (GlobalComp 2008), SYNASC, Timisoara, Romania	15
6	2 <sup>nd</sup> Workshop on Global Computing Models and Technologies (GlobalComp 2009), SYNASC, Timisoara, Romania	15
7	3rd Workshop on Global Computing Models and Technologies (GlobalComp 2010), SYNASC, Timisoara, Romania	15
<b>Total</b>		<b>105</b>

<b>Nr. crt.</b>	<b>Organizare evenimente științifice</b>	<b>Director/Membru</b>	<b>Scor</b>
1	Fundamentals of Computer Theory (FCT) 1999	director	30
2	International Colloquium on Theoretical Aspects of Computing (ICTAC) 2014 in Bucharest	director	30
3	5th Workshop on Membrane Computing and Biologically Inspired Calculi (MeCBIC 2011), Paris (Fontainebleau), France	director	30
4	6th Workshop on Membrane Computing and Biologically Inspired Calculi (MeCBIC 2012), Newcastle, UK	director	30
5	1st Workshop on Global Computing Models and Technologies (GlobalComp 2008), SYNASC, Timisoara, Romania	director	30
6	2 <sup>nd</sup> Workshop on Global Computing Models and Technologies (GlobalComp 2009), SYNASC, Timisoara, Romania	director	30
7	3rd Workshop on Global Computing Models and Technologies (GlobalComp 2010), SYNASC, Timisoara, Romania	director	30

Total		210
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Total final 5109.251