

## Lista lucrari Aman Bogdan

Nr. Crt.	Lucrare	Jurnal/ Conferinta
1	Bogdan Aman, Gabriel Ciobanu: Efficiently solving the Bin Packing problem through bio-inspired mobility. Acta Inf. 54(4): 435-445 (2017)	Jurnal
2	Bogdan Aman, Gabriel Ciobanu: Verification of critical systems described in real-time TiMo. STTT 19(4): 395-408 (2017)	Jurnal
3	Bogdan Aman, Jetty Kleijn, Maciej Koutny, Dorel Lucanu: Methods for Distributed and Concurrent Systems: Special Issue on the occasion of the 60th Birthday of Professor Gabriel Ciobanu. Fundam. Inform. 153(1-2): v-vi (2017)	Jurnal
4	B. Aman, G. Ciobanu. MINIMAL INGREDIENTS FOR TURING COMPLETENESS N MEMBRANE COMPUTING. PROCEEDINGS OF THE ROMANIAN ACADEMY, Series A, vol.18(2), 182-187, 2017.	Jurnal
5	B. Aman, G. Ciobanu. Reversibility in Parallel Rewriting Systems. Journal of Universal Computer Science, vol. 23, no. 7 (2017), 692-703	Jurnal
6	B. Aman, G. Ciobanu. Verification of distributed systems involving bounded-time migration. IJCCBS 7(3): 279-301 (2017)	Jurnal
7	B. Aman, P. Battyanyi, G. Ciobanu, G. Vaszil. Simulating P Systems With Membrane Dissolution in a Chemical Calculus. Natural Computing, 1–12 (2016). doi:10.1007/s11047-016-9570-5	Jurnal
8	B. Aman, G. Ciobanu. Verification of membrane systems with delays via Petri nets with delays. Theoretical Computer Science, vol. 598, 87--101, 2015.	Jurnal
9	B. Aman, G. Ciobanu. Modelling and verification of weighted spiking neural systems. Theoretical Computer Science, vol. 598: 87-10, 2015.	Jurnal
10	B. Aman, G. Ciobanu. Expressing Mobile Ambients in Temporal Logic of Actions. PROCEEDINGS OF THE ROMANIAN ACADEMY, Series A, vol.15(1), 95-104, 2014.	Jurnal
11	B. Aman, G. Ciobanu. Properties of Enhanced Mobile Membranes Via Coloured Petri Nets. Information Processing Letters, vol. 112, 243-248, 2012. DOI: 10.1016/j.ipl.2011.12.003	Jurnal
12	B. Aman, G. Ciobanu. Mutual Mobile Membranes with Objects on Surface. Natural Computing, vol. 10(2), 777–793, 2011.	Jurnal
13	B. Aman, G. Ciobanu. Solving a Weak NP-complete Problem in Polynomial Time by Using Mutual Mobile Membrane Systems. Acta Informatica, vol. 48(7-8), 409-415, 2011. DOI: 10.1007/s00236-011-0144-9	Jurnal
14	B. Aman, G. Ciobanu. Computing by Endocytosis and Exocytosis. Analele Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi, Matematica, TOM LVII, s.1, 13-24, 2011	Jurnal
15	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.	Jurnal
16	B. Aman, G. Ciobanu. Computational Aspects of Mobile Membranes, Brane Calculi and Mobile Ambients. Scholarpedia, 5(7):9420, 2010. ISSN 1941-6016 (online)	Jurnal
17	B. Aman, G.Ciobanu. Simple, Enhanced and Mutual Mobile Membranes. Transactions on Computational Systems Biology XI, LNBI (LNCS) Vol.5750, 26-44, 2009	Jurnal
18	B. Aman, M. Dezani-Ciancaglini, A. Troina. Type Disciplines for Analysing Biologically Relevant Properties. Electronic Notes in Theoretical Computer	Jurnal

	Science, vol.227, 97–111, 2009	
19	B. Aman, G.Ciobanu. Describing the Immune System Using Enhanced Mobile Membranes. Electronic Notes in Theoretical Computer Science, vol.194(3), 5–18, 2008	Jurnal
20	B. Aman, G. Ciobanu. On the Relationship Between Membranes and Ambients. Biosystems , vol.91(3), 515–530, 2008.	Jurnal
21	B. Aman, G.Ciobanu. Translating Mobile Ambients into P Systems. Electronic Notes in Theoretical Computer Science, vol.171(2), 11–23, 2007	Jurnal
22	Bogdan Aman, Gabriel Ciobanu: Analyzing Distributed Pi-Calculus Systems by Using the Rewriting Engine Maude. Lecture Notes in Computer Science 10466, VECoS 2017: 155-170, 2017.	Conferinta
23	Ross Horne, Alwen Tiu, Bogdan Aman, Gabriel Ciobanu: Private Names in Non-Commutative Logic. CONCUR 2016, LIPIcs 59 31:1-31:16, 2016.	Conferinta
24	B. Aman, G. Ciobanu. Timed Mobility and Timed Communication for Critical Systems. Lecture Notes in Computer Science, vol.9128, 146-161, 2015.	Conferinta
25	B. Aman, G. Ciobanu. Automated Verification of Stochastic Spiking Neural P Systems. Lecture Notes in Computer Science, vol.9504, 77-91, 2015.	Conferinta
26	B. Aman, G. Ciobanu. Behavioural Equivalences in Real-Time P Systems. Lecture Notes in Computer Science, vol. 8340, 88-100, 2014.	Conferinta
27	B. Aman, G. Ciobanu. Behavioural Types Inspired by Cellular Thresholds. Lecture Notes in Computer Science, vol.8368, 29-43, 2014.	Conferinta
28	A. Alhazov, B. Aman, R. Freund, Gh. Păun. Matter and Anti-Matter in Membrane Systems. Lecture Notes in Computer Science, vol.8614, 65-76, 2014.	Conferinta
29	A. Alhazov, B. Aman, R. Freund. P Systems with Anti-Matter. Lecture Notes in Computer Science, vol.8961, 66-85, 2014.	Conferinta
30	B. Aman, E. Csuhaj-Varjú, R. Freund. Red-Green P Automata. Lecture Notes in Computer Science, vol.8961, 139-157, 2014.	Conferinta
31	B. Aman, G. Ciobanu. Mobile Membranes: Computability and Complexity. ICTAC 2013, Lecture Notes in Computer Science, vol.8049, 59-75, 2013	Conferinta
32	B. Aman, G. Ciobanu. Real-Time Migration Properties of rTiMo Verified in Uppaal. SEFM 2013, Lecture Notes in Computer Science, vol.8137, 31-45, 2013	Conferinta
33	B. Aman, G. Ciobanu. Mobile Membranes with Objects on Surface as Colored Petri Nets. Lecture Notes in Computer Science, vol.7762, 128-144, 2013	Conferinta
34	B. Aman, G. Ciobanu. Mobile Computational Power of Protein Interaction Networks. Lecture Notes in Computer Science, vol.7956, 248-249, 2013.	Conferinta
35	B. Aman, G.Ciobanu, S. N. Krishna. Solving the 4QBF Problem in Polynomial Time by Using the Biological-Inspired Mobility. ICDCIT 2013, Lecture Notes in Computer Science, vol.7753, 432-443, 2013.	Conferinta
36	B. Aman, G. Ciobanu, M. Koutny. Behavioural Equivalences over Migrating Processes with Timers. FORTE 2012, Lecture Notes in Computer Science, vol.7273, 52–66, 2012	Conferinta
37	B. Aman, G. Ciobanu. Coordinating Parallel Mobile Ambients to Solve SAT Problem in Polynomial Number of Steps. COORDINATION 2012, Lecture Notes in Computer Science, vol.7274, 122–136, 2012	Conferinta
38	S.N. Krishna, B. Aman, G. Ciobanu. On the Computability Power of Membrane Systems with Controlled Mobility. CiE 2012, Lecture Notes in Computer Science, vol.7318, 626–635, 2012	Conferinta
39	B. Aman, G. Ciobanu, G. Michele Pinna. Timed Catalytic Petri Nets. Proceedings of SYNASC12: 14th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, IEEE Computing Society, 319-326, 2012	Conferinta

40	B. Aman, G.Ciobanu. A Temporal Logic for Mutual Mobile Membranes with Objects on Surface. Lecture Notes in Computer Science, Vol.6610, 138–150, 2011.	Conferinta
41	B. Aman, G. Ciobanu. Time Delays in Membrane Systems and Petri Nets. Electronic Proceedings in Theoretical Computer Science, Vol.57, 47–60, 2011	Conferinta
42	B. Aman, G.Ciobanu. Typed Membrane Systems. Lecture Notes in Computer Science, vol.5957, 169–181, 2010	Conferinta
43	B. Aman, G.Ciobanu. Formalizing the Behavior of Biological Processes with Mobility. UC 2010, Lecture Notes in Computer Science, vol.6079, 187–187, 2010	Conferinta
44	B. Aman, G.Ciobanu. Turing Completeness Using Three Mobile Membranes. UC 2009, Lecture Notes in Computer Science, vol.5715, 42–55, 2009	Conferinta
45	B. Aman, G.Ciobanu. Resource Competition and Synchronization in Membranes. Proceedings of SYNASC08: 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, IEEE Computing Society, 145–151, 2009	Conferinta
46	B. Aman, G. Ciobanu. Mutual Mobile Membranes with Timers. Electronic Proceedings in Theoretical Computer Science, vol.6, 1–15, 2009	Conferinta
47	B. Aman, G.Ciobanu. Timed Mobile Ambients for Network Protocols. FORTE 2008, Lecture Notes in Computer Science, vol.5048, 234–250, 2008	Conferinta
48	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	Conferinta
49	B. Aman, G.Ciobanu. Mobile Ambients with Timers and Types. ICTAC 2007, Lecture Notes in Computer Science, vol.4711, 50–63, 2007	Conferinta
50	B. Aman, G.Ciobanu. On the Reachability Problem in P Systems With Mobile Membranes. Lecture Notes in Computer Science, vol.4860, 113–123, 2007	Conferinta
51	B. Aman, G.Ciobanu. Timers and Proximities for Mobile Ambients. CSR 2007, Lecture Notes in Computer Science, vol.4649, 33–43, 2007	Conferinta
52	B. Aman, G.Ciobanu. Structural Properties and Observability in Membrane Systems. Proceedings of SYNASC07: 9th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, IEEE Computing Society, 74–81, 2007	Conferinta
53	B. Aman, G. Ciobanu. Mobile Ambients and Mobile Membranes. Proceedings of CiE 2007 (3th Conference on Computability in Europe), 16–27, 2007	Conferinta
54	O. Agrigoroaiei, B. Aman, G. Ciobanu. Semantics, Causality and Mobility in Membrane Computing. ERCIM News, vol.85, 22, 2011.	Informal

Aman Bogdan