Models of natural computation : gene assembly and membrane systems

Brijder, R.

Bibliography

[1] The P systems web page. `http://psystems.disco.unimib.it`.

[2] D. Besozzi and G. Rozenberg. Formalizing spherical membrane structures and membrane proteins populations. In H.J. Hoogeboom, G. Paun, G. Rozenberg, and A. Salomaa, editors, *Workshop on Membrane Computing*, volume 4361 of *Lecture Notes in Computer Science*, pages 18–41. Springer, 2006.

[3] P. Bottoni, C. Martín-Vide, G. Paun, and G. Rozenberg. Membrane systems with promoters/inhibitors. *Acta Informatica*, 38(10):695–720, 2002.

[4] N. Busi and R. Gorrieri. On the computational power of brane calculi. In C. Priami and G. Plotkin, editors, *Transactions on Computational Systems Biology VI*, volume 4220 of *Lecture Notes in Computer Science*, pages 16–43. Springer, 2006.

[5] L. Cardelli. Brane calculi - Interactions of biological membranes. In V. Danos and V. Schachter, editors, *Computational Methods in System Biology (CSMB2004). Paris, France, May 2004. Revised Papers*, volume 3082 of *Lecture Notes in Computer Science*, pages 257–280. Springer, 2005.

[6] L. Cardelli and Gh. Păun. An universality result for a (mem)brane calculus based on mate/drip operations. *International Journal of Foundations of Computer Science*, 17(1):49–68, 2005.

[7] M. Cavaliere and D. Sburlan. Time-independent P systems. In Mauri et al. [18], pages 239–258.

[8] G. Ciobanu, L. Pan, Gh. Paun, and M.J. Pérez-Jiménez. P systems with minimal parallelism. *Theor. Comput. Sci.*, 378(1):117–130, 2007.

[9] A. Cordón-Franco, M.A. Gutiérrez-Naranjo, M.J. Pérez-Jiménez, and A. Riscos-Núñez. Exploring computation trees associated with P systems. In Mauri et al. [18], pages 278–286.

[10] V. Danos and S. Pradalier. Projective brane calculus. In V. Danos and V. Schächter, editors, *CMSB*, volume 3082 of *Lecture Notes in Computer Science*, pages 134–148. Springer, 2004.

[11] J. Dassow and Gh. Păun. *Regulated Rewriting in Formal Language Theory*. Springer, Berlin, 1984.

[12] R. Freund, O.H. Ibarra, Gh. Păun, and H.-C. Yen. Matrix languages, register machines, vector addition systems. In M.A. Gutiérrez-Naranjo, A. Riscos-Núñez, F.J. Romero Campero, and D. Sburlan, editors, *Proceedings of the Third Brainstorming Week on Membrane Computing*, RGNC Report 01/2005, pages 155–168. Dept. of Computer Sciences and Artificial Intelligence, Univ. of Sevilla, 2005.

[13] R. Freund, L. Kari, M. Oswald, and P. Sosík. Computationally universal P systems without priorities: Two catalysts are sufficient. *Theoretical Computer Science*, 330(2):251–266, 2005.

[14] S. Ginsburg and G. Rozenberg. TOL schemes and control sets. *Information and Control*, 27(2):109–125, 1975.

[15] H.J. Hoogeboom. Carriers and counters: P systems with carriers vs. (blind) counter automata. In M. Ito and M. Toyama, editors, *Developments in Language Theory*, volume 2450 of *Lecture Notes in Computer Science*, pages 140–151. Springer, 2002.

[16] J. Hopcroft and J. Ulmann. *Introduction to Automata Theory, Languages, and Computation*. Addison-Wesley, 1979.

[17] M. Ionescu and D. Sburlan. On P systems with promoters/inhibitors. *Journal of Universal Computer Science*, 10(5):581–599, 2004.

[18] G. Mauri, Gheorghe Paun, M.J. Pérez-Jiménez, G. Rozenberg, and A. Salomaa, editors. *Membrane Computing, 5th International Workshop, WMC 2004, Milan, Italy, June 14-16, 2004, Revised Selected and Invited Papers*, volume 3365 of *Lecture Notes in Computer Science*. Springer, 2005.

[19] M. Minsky. *Finite and Infinite Machines*. Prentice Hall, Englewood Cliffs, New Jersey, 1967.

[20] Gh. Păun. Computing with membranes. *Journal of Computer and System Sciences*, 61(1):108–143, 2000. Also, Turku Center for Computer Science-TUCS Report No. 208, 1998.

[21] Gh. Păun. *Membrane Computing. An Introduction*. Springer, Berlin, 2002.

[22] Gh. Păun and G. Rozenberg. A guide to membrane computing. *Theoretical Computer Science*, 287(1):73–100, 2002.

[23] G. Rozenberg and A. Salomaa. *The Mathematical Theory of L Systems*. Academic Press, New York, 1980.

[24] G. Rozenberg and A. Salomaa, editors. *Handbook of Formal Languages*, volume 1–3. Springer, 1997.

[25] A. Salomaa. *Formal Languages*. Academic press, New York, 1973.

[26] G. Vaszil. On the size of P systems with minimal symport/antiport. In Mauri et al. [18], pages 404–413.