Maxime SENOT
Publications list

International conferences with selection committee and LNCS proceedings

[1] DUCHIER, D., DURAND-LOSE, J., and SENOT, M. (2010). Fractal parallelism: solving **SAT** in bounded space and time. In CHEONG, O., CHWA, K.-Y., and PARK, K., editors, *21st International Symposium on Algorithms and Computation (ISAAC '10)*, volume I of *LNCS*, pages 279–290. Springer.

[2] DUCHIER, D., DURAND-LOSE, J., and SENOT, M. (2012). Computing in the fractal cloud: modular generic solvers for **SAT** and **Q-SAT** variants. In AGRAWAL, M., COOPER, S. B., and LI, A., editors, *9th int. conf. on Theory and Applications of Models of Computation (TAMC '12)*, number 7287 in LNCS, pages 435–447. Springer.

International conferences/workshops with selection committee and proceedings

[1] DUCHIER, D., DURAND-LOSE, J., and SENOT, M. (2010). Massively parallel automata in Euclidean space-time. In *4th IEEE International Conference on Self-Adaptive and Self-Organizing Systems Workshops (SASOW '10), Spatial Computing Workshop (SCW '10)*, pages 104–109. IEEE Computer Society.

[2] DUCHIER, D., DURAND-LOSE, J., and SENOT, M. (2011). Solving **Q-SAT** in bounded space and time by geometrical computation. In GANCHEV, H., LÖWE, B., NORMANN, D., SOSKOV, I., and SOSKOVA, M., editors, *Models of Computation in Context, 7th International Conference on Computability in Europe (CiE '11) (abstract and handout booklet)*, pages 76–86. St. Kliment Ohridski University Press, Sofia University.

[3] LEVORATO, V. and SENOT, M. (2010). Discrete signal machines via pretopology. In BORDHIN, H., FREUND, R., HINZE, T., HOLZER, M., KUTRIB, M., and OTTO, F., editors, *2nd international workshop on Non-Classical Models of Automata (NCMA '10)*, number 263 in OCG Books, pages 127–140. Austrian Computer Society.

Submitted and in preparation

[1] BECKER, F., CHAPELLE, M., DURAND-LOSE, J., LEVORATO, V., and SENOT, M. (2013). *Abstract geometrical computation 8: small machines, accumulations & rationality*. Currently submitted at JCSS since July 2013, available at http://arxiv.org/abs/1307.6468.

[2] SENOT, M. (2014). *Fractals on signal machines*. In preparation, available at http://perso.ens-lyon.fr/maxime.senot/files/publications/2014_draft-senot.pdf.

Thesis and master's report

[1] SENOT, M. (2009). *Détermination analytique*. Master's thesis, Université Diderot — Paris 7. Available at http://perso.ens-lyon.fr/maxime.senot/files/publications/2009_master-thesis-senot. In french.

[2] SENOT, M. (2013). *Modèle géométrique de calcul : fractales et barrières de complexité*. PhD thesis, Université d'Orléans. Available at http://tel.archives-ouvertes.fr/tel-00870600. In french.

Local proceedings

[1] CHAPELLE, M., DURAND-LOSE, J., and SENOT, M., editors (2011). *Local Proceedings of the 2nd International Workshop on New Worlds of Computation (NWC '11)*, Orléans, France. Available at http://www.univ-orleans.fr/lifo/evenements/NWC2011/program.php.

[2] RESEARCH TEAM MC2, LIP, editor (2014). *Booklet of abstracts and local organization of the 31st international Symposium on Theoretical Aspects of Computer Science (STACS '14)*, Lyon, France. Available at http://perso.ens-lyon.fr/maxime.senot/stacs2014_booklet.pdf.