

Références

Conferences Proceedings

- [B1] N. Nisse and F. Rousseau, editors. *15th Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications (AlgoTel)*, Pornic, France, 2013. CNRS, LINA, Université de Nantes.
 - [B2] N. Nisse R. Baldoni and M. vanSteen (eds.), editors. *International Conference on Principles of Distributed Systems (OPODIS)*, Nice, France, 2013. LNCS, Springer.
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Reuves internationales avec comité de lecture

- [J3] L. Blin, P. Fraigniaud, N. Nisse, and S. Vial. Distributed chasing of network intruders. *Theor. Comput. Sci.*, 399(1-2) :12–37, 2008.
- [J4] P. Fraigniaud and N. Nisse. Monotony properties of connected visible graph searching. *Information and Computation*, 206(12) :1383–1393, 2008.
- [J5] F. Mazoit and N. Nisse. Monotonicity of non-deterministic graph searching. *Theor. Comput. Sci.*, 399(3) :169–178, 2008.
- [J6] O. Amini, F. Mazoit, N. Nisse, and S. Thomassé. Submodular partition functions. *Discrete Maths.*, 309(20) :6000–6008, 2009.
- [J7] F. V. Fomin, P. Fraigniaud, and N. Nisse. Nondeterministic graph searching : From pathwidth to treewidth. *Algorithmica*, 53(3) :358–373, 2009.
- [J8] D. Ilcinkas, N. Nisse, and D. Soguet. The cost of monotonicity in distributed graph searching. *Distributed Computing*, 22(2) :117–127, 2009.
- [J9] N. Nisse. Connected graph searching in chordal graphs. *Discrete Applied Maths.*, 157(12) :2603–2610, 2009.
- [J10] N. Nisse and D. Soguet. Graph searching with advice. *Theor. Comput. Sci.*, 410(14) :1307–1318, 2009.
- [J11] F. V. Fomin, P. Golovach, J. Kratochvil, N. Nisse, and K. Suchan. Pursuing fast robber in graph. *Theor. Comput. Sci.*, 411(7-9) :1167–1181, 2010.
- [J12] J. Chalopin, V. Chepoi, N. Nisse, and Y. Vaxès. Cop and robber games when the robber can hide and ride. *SIAM Journal of Discrete Maths.*, 25(1), 2011.
- [J13] N. Cohen, D. Coudert, D. Mazauric, N. Nepomuceno, and N. Nisse. Tradeoffs in process strategy games with application in the wdm reconfiguration problem. *Theor. Comput. Sci.*, 412(35) :4675–4687, 2011.
- [J14] L. Barrière, P. Flocchini, F. V. Fomin, P. Fraigniaud, N. Nisse, N. Santoro, and D. Thilikos. Connected Graph Searching. *Information and Computation*, 219 :1–16, 2012.
- [J15] N. Nisse, I. Rapaport, and K. Suchan. Distributed computing of efficient routing schemes in generalized chordal graphs. *Theor. Comput. Sci.*, 444 :17–27, 2012.
- [J16] Júlio Araújo, V. Campos, Frédéric Giroire, Nicolas Nisse, Leonardo Sampaio, and R. Soares. On the hull number of some graph classes. *Theor. Comput. Sci.*, 475 :1–12, 2013.

Conférences avec comité de lecture et actes

— Internationales —

- [Ci17] F. V. Fomin, P. Fraigniaud, and N. Nisse. Nondeterministic graph searching : From pathwidth to treewidth. In *Proceedings of the 30th International Symposium on Mathematical Foundations of Computer Science (MFCS)*, pages 364–375. Springer LNCS 3618, 2005.
- [Ci18] L. Blin, P. Fraigniaud, N. Nisse, and S. Vial. Distributed chasing of network intruders. In *Proceeding of the 13th International Colloquium on Structural Information and Communication Complexity (SIROCCO)*, pages 70–84. Springer LNCS 4056, 2006.
- [Ci19] P. Fraigniaud and N. Nisse. Connected treewidth and connected graph searching. In *Proceeding of the 7th Latin American Symposium on Theoretical Informatics (LATIN)*, pages 479–490. Springer LNCS 3887, 2006.
- [Ci20] P. Fraigniaud and N. Nisse. Monotony properties of connected visible graph searching. In *Proceedings of 32nd International Workshop on Graph-Theoretic Concepts in Computer Science (WG)*, pages 229–240. Springer LNCS 4271, 2006.
- [Ci21] D. Ilcinkas, N. Nisse, and D. Soguet. The cost of monotonicity in distributed graph searching. In *Proceedings of the 11th International Conference on Principles of Distributed Systems (OPODIS)*, pages 415–428. Springer LNCS 4878, 2007.
- [Ci22] F. Mazoit and N. Nisse. Monotonicity of non-deterministic graph searching. In *Proceedings of the 33rd International Workshop on Graph-Theoretic Concepts in Computer Science (WG)*, pages 33–44. Springer LNCS 4769, 2007.
- [Ci23] N. Nisse and D. Soguet. Graph searching with advice. In *Proceedings of the 14th International Colloquium on Structural Information and Communication Complexity (SIROCCO)*, pages 51–65. Springer LNCS 4474, 2007.
- [Ci24] N. Nisse and K. Suchan. Fast robber in planar graphs. In *Proceedings of the 34th International Workshop on Graph-Theoretic Concepts in Computer Science (WG)*, pages 312–323. Springer LNCS 5344, 2008.
- [Ci25] J. C. Bermond, N. Nisse, P. Reyes, and H. Rivano. Fast data gathering in radio grid networks. In *Proceedings of the 8th international conference on Ad Hoc Networks and Wireless (AdHoc-Now)*, pages 69–82. Springer LNCS 5793, 2009.
- [Ci26] D. Coudert, F. Huc, D. Mazauric, N. Nisse, and J-S. Sereni. Routing reconfiguration/process number : Coping with two classes of services. In *13th Conference on Optical Network Design and Modeling (ONDM)*. IEEE, 2009. to appear.
- [Ci27] D. Coudert, D. Mazauric, and N. Nisse. On rerouting connection requests in networks with shared bandwidth. In *DIMAP workshop on Algorithmic Graph Theory (AGT09)*, volume 32 of *Electronic Notes in Discrete Mathematics*, pages 109–116. Elsevier, 2009.
- [Ci28] N. Nisse, I. Rapaport, and K. Suchan. Distributed computing of efficient routing schemes in generalized chordal graphs. In *Proceeding of the 16th International Colloquium on Structural Information and Communication Complexity (SIROCCO'09)*, pages 252–265. Springer LNCS 5869, 2009.
- [Ci29] N. Cohen, D. Coudert, D. Mazauric, N. Nepomuceno, and N. Nisse. Tradeoffs in process strategy games with application in the wdm reconfiguration problem. In *5th International Conference on FUN with Algorithms (FUN)*, pages 121–132. Springer LNCS 6099, 2010.
- [Ci30] N. Hanusse, D. Ilcinkas, A. Kosowski, and N. Nisse. Locating a target with an agent guided by unreliable local advice. In *29th ACM SIGACT-SIGOPS Symposium on Principles of Distributed Computing (PODC'10)*, pages 355–364. ACM, 2010.
- [Ci31] F. Huc, C. Caillouet, N. Nisse, S. Pérennes, and H. Rivano. Stability of a localized and greedy routing algorithm. In *12th Workshop on Advances in Parallel and Distributed Computational Models (APDCM)*, pages 1–8. IEEE, 2010.

- [Ci32] F. Becker, M. Matamala, N. Nisse, I. Rapaport, K. Suchan, and I. Todinca. Adding a referee to an interconnection network : What can(not) be computed in one round. In *25th IEEE International Parallel & Distributed Processing Symposium (IPDPS)*, pages 508–514. IEEE, 2011.
- [Ci33] F. Becker, A. Kosowski, N. Nisse, I. Rapaport, and K. Suchan. Interconnection network with a shared whiteboard : Impact of (a)synchronicity on computing power. In *24th ACM Symposium on Parallelism in Algorithms and Architectures (SPAA)*, pages 11–17. ACM, 2012.
- [Ci34] S. Belhareth, D. Coudert, D. Mazauric, N. Nisse, and I. Tahiri. Reconfiguration with physical constraints in wdm networks. In *Workshop on New Trends in Optical Networks Survivability (Netsurviv)*, in *Proceedings of IEEE International Conference on Communications (ICC)*, pages 6257–6261. IEEE, 2012.
- [Ci35] L. Blin, J. Burman, and N. Nisse. Brief announcement : Distributed exclusive and perpetual tree searching. In *26th International Symposium on Distributed Computing (DISC)*, volume 7611 of *Lecture Notes in Computer Science*, pages 403–404. Springer, 2012.
- [Ci36] F. V. Fomin, F. Giroire, A. Jean-Marie, D. Mazauric, and N. Nisse. To Satisfy Impatient Web surfers is Hard. In *6th International Conference on FUN with Algorithms (FUN)*, volume LNCS 7288, pages 166–176. Springer, 2012.
- [Ci37] A. Kosowski, B. Li, N. Nisse, and K. Suchan. k-chordal graphs : from cops and robber to compact routing via treewidth. In *39th International Colloquium on Automata, Languages and Programming (ICALP, track C)*, volume 7392, pages 610–622. Springer, LNCS, 2012.
- [Ci38] L. Blin, J. Burman, and N. Nisse. Exclusive graph searching. In *21st European Symposium on Algorithms (ESA)*, Lecture Notes in Computer Science. Springer, 2013.
- [Ci39] G. D’Angelo, G. Di Stefano, A. Navarra, N. Nisse, and K. Suchan. A unified approach for different tasks on rings in robot-based computing systems. In *15th Workshop on Advances in Parallel and Distributed Computational Models (APDCM)*. IEEE, 2013.
- [Ci40] F. Giroire, D. Mazauric, N. Nisse, S. Pérennes, and R.P. Soares. Connected surveillance game. In *Proceedings of the 20th International Colloquium on Structural Information and Communication Complexity (SIROCCO)*, Lecture Notes in Computer Science. Springer, 2013.
- [Ci41] F. Giroire, R. Modrzejewski, N. Nisse, and S. Pérennes. Maintaining balanced trees for structured distributed streaming systems. In *Proceedings of the 20th International Colloquium on Structural Information and Communication Complexity (SIROCCO)*, Lecture Notes in Computer Science. Springer, 2013.
- [Ci42] N. Nisse and R.P. Soares. On the monotonicity of process number. In *7th Latin-American Algorithms, Graphs and Optimization Symposium (LAGOS)*. Elsevier, 2013. to appear in Electronic Note Discrete Maths.
- [Ci43] A. Navarra G. D’Angelo and N. Nisse. Gathering and exclusive searching on rings under minimal assumptions. In *15th International Conference on Distributed Computing and Networking (ICDCN)*, Lecture Notes in Computer Science. Springer, 2014.

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- [Cn44] P. Fraigniaud and N. Nisse. Stratégies d’encerclement connexes dans un réseau. In *7èmes Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel)*, pages 13–16, 2005.
- [Cn45] L. Blin, P. Fraigniaud, N. Nisse, and S. Vial. Encerclement réparti d’un fugitif dans un réseau par des agents mobiles. In *8èmes Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel)*, pages 89–92, 2006.
- [Cn46] F. V. Fomin, P. Fraigniaud, and N. Nisse. Strategies d’encerclement non déterministes. In *8èmes Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel)*, pages 81–84, 2006.
- [Cn47] N. Nisse and D. Soguet. Stratégies d’encerclement avec information. In *9èmes Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel)*, pages 49–52, 2007.
- [Cn48] D. Ilcinkas, N. Nisse, and D. Soguet. Le coût de la monotonie dans les stratégies d’encerclement réparti. In *10èmes Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel)*, pages 33–36, 2008. best student paper.

- [Cn49] N. Nisse and K. Suchan. Voleur véloce dans un réseau planaire. In *10èmes Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel)*, pages 29–32, 2008.
- [Cn50] J. C. Bermond, N. Nisse, P. Reyes, and H. Rivano. Fast data gathering in radio grid networks. In *11ème Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications (AlgoTel'09)*, pages 53–56, 2009.
- [Cn51] D. Coudert, F. Huc, D. Mazauric, N. Nisse, and J-S. Sereni. Reconfiguration dans les réseaux optiques. In *11ème Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications (AlgoTel'09)*, pages 25–28, 2009.
- [Cn52] N. Cohen, D. Coudert, D. Mazauric, N. Nepomuceno, and N. Nisse. Tradeoffs in routing reconfiguration problems. In *12èmes Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel)*, pages 119–122, 2010.
- [Cn53] N. Hanusse, D. Ilcinkas, A. Kosowski, and N. Nisse. Comment battre la marche aléatoire en comptant ? In *12ème Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications (AlgoTel'10)*, pages 27–30, 2010.
- [Cn54] F. Becker, M. Matamala, N. Nisse, I. Rapaport, K. Suchan, and I. Todinca. Reconstruire un graphe en une ronde. In *13es Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel)*, pages 31–34, 2011.
- [Cn55] S. Belhareth, D. Coudert, D. Mazauric, N. Nisse, and I. Tahiri. Reconfiguration avec contraintes physiques dans les réseaux WDM. In *13es Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel)*, pages 17–20, 2011.
- [Cn56] L. Blin, J. Burman, and N. Nisse. Nettoyage perpétuel de réseaux. In *14es Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel)*, pages 31–34, 2012.
- [Cn57] F. V. Fomin, F. Giroire, A. Jean-Marie, D. Mazauric, and N. Nisse. Satisfaire un internaute impatient est difficile. In *14es Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel)*, pages 79–82, 2012. best paper.
- [Cn58] A. Kosowski, B. Li, N. Nisse, and K. Suchan. k-chordal graphs : from cops and robber to compact routing via treewidth. In *14es Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel)*, pages 83–86, 2012.

Conférences sans actes, selection sur résumé

— Internationales —

- [ci59] J. Chalopin, V. Chepoi, N. Nisse, and Y. Vaxes. Cop and robber games when the robber can hide and ride. In *8th French Combinatorial Conference*, Orsay, June 2010. selection on abstract.

Workshops sur invitation

— International —

- [ci60] N. Nisse. Monotonicity of non-deterministic graph searching. In *1st Workshop on GRAPh Searching, Theory and Applications (GRASTA)*, October 2006. Invited talk.
- [ci61] N. Nisse. Distributed graph searching. In *2nd Workshop on GRAPh Searching, Theory and Applications (GRASTA)*, February 2008. Invited talk.
- [ci62] N. Nisse. Graph searching and graph decompositions. In *24th European Conference on Operational Research (EURO)*, Lisbon, Portugal, July 2010. Invited talk.
- [ci63] N. Nisse. How to beat a random walk with a clock ? In *IMSA Workshop on Algorithms and Randomness*, Santiago, Chile, January 2011. Invited talk.
- [ci64] N. Nisse. Fractional combinatorial two-player games. In *27th European Conference on Operational Research (EURO)*, Roma, Italy, July 2013. Invited talk.

Soumis et Rapports Techniques

- [S65] O. Amini, D. Coudert, and N. Nisse. Some results on non-deterministic graph searching in trees. Technical Report INRIA-00174965, INRIA, September 2007. Submitted to SIAM Journal of Discrete Maths.
- [S66] P. Berthomé and N. Nisse. A unified FPT algorithm for width of partition functions. Technical Report INRIA-00321766, INRIA, September 2008.
- [S67] Julio Araujo, Nicolas Nisse, and Stéphane Pérennes. Weighted Coloring in Trees. Technical Report RR-8249, INRIA, 2013.
- [S68] Jean-Claude Bermond, Bi Li, Nicolas Nisse, Hervé Rivano, and Min-Li Yu. Data Gathering and Personalized Broadcasting in Radio Grids with Interferences. Technical Report RR-8218, INRIA, 2013.
- [S69] Gianlorenzo D'Angelo, Alfredo Navarra, and Nicolas Nisse. Robot Searching and Gathering on Rings under Minimal Assumptions. Technical Report RR-8250, INRIA, 2013.

Thèses

- [T70] N. Nisse. Expansion connexe dans les réseaux, July 2004. Master Thesis, Université Paris-Sud 11.
- [T71] N. Nisse. *Les jeux des gendarmes et du voleur dans les graphes. Mineurs de graphes, stratégies connexes et approches distribuées.* PhD thesis, Université Paris-Sud 11, France, July 2007.