

Liste complète de publications

Tous les articles mentionnés ci-dessous sont accessibles sur la page :

<http://www-sop.inria.fr/mascotte/Publications>

Reuves internationales avec comité de lecture (avant Doctorat)

- [1] P. Berthomé, A. Ferreira, and S. Pérennes. Decomposing hierarchical Cayley graphs, with applications to information dissemination and algorithm design. *IEEE Transactions on Parallel and Distributed Systems*, 7(12) :1292–1300, December 1996.

Reuves internationales avec comité de lecture (Après Doctorat)

- [2] J.-C. Bermond, H.A. Harutyunyan, A.L. Liestman, and S. Pérennes. A note on the dimensionality of modified Knödel graphs. *International Journal of Foundations of Computer Science*, 8(2) :109–116, 1997.
- [3] O. Delmas and S. Pérennes. Diffusion par commutation de circuits dans les tores de dimension k / Circuit-switched broadcasting in the k -dimensional torus networks. *Technique et science informatiques*, 16(5) :563–581, 1997. RAIRO, afcet, Hermès.
- [4] S. Perennes. A Proof of Jean de Rumeur’s conjecture. *Discrete Applied Mathematics*, 74 :295–299, 1997.
- [5] B. Beauquier, P. Hell, and S. Pérennes. Optimal wavelength-routed multicasting. *DAMATH : Discrete Applied Mathematics and Combinatorial Operations Research and Computer Science*, 84, 1998.
- [6] J-C. Bermond, E. Darrot, O. Delmas, and S. Pérennes. Hamilton circuits in the directed wrapped butterfly network. *Discrete Applied Mathematics*, 84(1-3) :21–42, 1998.
- [7] J-C. Bermond, E. Darrot, O. Delmas, and S. Pérennes. Hamilton cycle decomposition of the butterfly networks. *Parallel Processing Letters*, 8(3) :371–385, 1998.
- [8] J-C. Bermond, L. Gargano, and S. Pérennes. Optimal sequential gossiping by short messages. *Discrete Applied Mathematics*, 86 :145–155, 1998.
- [9] S. Perennes. Broadcasting and gossiping on de Bruijn, shuffle exchange and similar networks. *Discrete Applied Mathematics*, 83 :247–262, 1998.
- [10] J-C. Bermond, A. Bonnacaze, T. Kodate, S. Pérennes, and P. Solé. Symetric flows and broadcasting in hypercubes. *Annales de l’Institut Fourier*, 49 :787–807, 1999.
- [11] J-C. Bermond, L. Gargano, S. Pérennes, A.A. Rescigno, and U. Vaccaro. Efficient collective communications in optical networks. *Theoretical computer science*, 233 :165–189, 2000.
- [12] P. Berthomé, A. Ferreira, S. Pérennes, G. Plaxton, and B. Maggs. Sorting-based selection algorithms on hypercubic networks. *Algorithmica*, 26 :237–254, 2000.
- [13] M.-C. Heydemann, N. Marlin, and S. Pérennes. Complete rotations in cayley graphs. *European Journal of Combinatorics*, 2000.
- [14] B. Beauquier, O. Delmas, and S. Pérennes. Tight bounds for broadcasting in the linear cost model. *Journal of Interconnection Network*, 2(2) :175–188, 2001.
- [15] M. Flammini and S. Pérennes. On the optimality of general lower bounds for broadcasting and gossiping. *SIAM J. Discrete Math.*, 14(2) :267–282 (electronic), 2001.

- [16] P. Fraigniaud, A. Pelc, D. Peleg, and S. Pérennes. Assigning labels in unknown network with a leader. *Distributed Computing*, 14(3) :163–183, 2001.
- [17] L. Gargano, P. Hell, and S. Pérennes. Coloring all directed paths in a symmetric tree, with an application to optical networks. *Journal of Graph Theory*, 38(4) :183–196, 2001.
- [18] L. Gargano, A. Pelc, S. Pérennes, and U. Vaccaro. Efficient communication in unknown networks. *Networks*, 38(1) :39–49, 2001.
- [19] J-C. Bermond, J. Bond, D. Peleg, and S. Pérennes. The power of small coalitions in graphs. *Discrete Applied Mathematics, Editor's Choice*, 127(3) :399–414, 2003.
- [20] J-C. Bermond, S. Choplin, and S. Pérennes. Hierarchical ring networks design. *Theory of Computing Systems*, 36 :663–682, 2003.
- [21] J-C. Bermond, M. Di Ianni, M. Flammini, and S. Pérennes. Acyclic orientations for deadlock prevention in usual networks. *Discrete Applied Mathematics*, 129 :31–47, 2003.
- [22] J-C. Bermond, N. Marlin, D. Peleg, and S. Pérennes. Directed virtual path layout in ATM networks. *Theoretical Computer Science*, 291 :3–28, 2003.
- [23] A. Clementi, A. Ferreira, P. Penna, S. Pérennes, and R. Silvestri. The Minimum Range Assignment Problem on Linear Radio Networks. *Algorithmica*, 35(2) :95–110, 2003.
- [24] A. Ferreira, S. Pérennes, A. W. Richa, H. Rivano, and N. Stier. Models, complexity and algorithms for the design of multi-fiber wdm networks. *Telecommunication Systems*, 24(2) :123–138, October 2003.
- [25] J. Galtier, F. Hurtado, M. Noy, S. Pérennes, and J. Hurrutia. Simultaneous edge flipping in triangulations. *International Journal of Computational Geometry and Applications*, 13(2) :113–133, 2003.
- [26] I. Caragiannis, A. Ferreira, C. Kaklamanis, S. Pérennes, P. Persiano, and H. Rivano. Approximate constrained bipartite edge coloring. *Discrete Applied Mathematics*, 143(1-3) :54–61, September 2004.
- [27] M. Flammini and S. Pérennes. Lower bounds on the broadcasting and gossiping time of restricted protocols. *SIAM Journal on Discrete Mathematics*, 17(4) :521–540, 2004.
- [28] C. Gavoille, D. Peleg, S. Pérennes, and R. Raz. Distance labeling in graphs. *Journal of Algorithms*, 53 :85–112, 2004.
- [29] S. Choplin, A. Jarry, and S. Pérennes. Virtual network embedding in the cycle. *Discrete Applied Mathematics*, 145(3) :368–375, 2005.
- [30] M. Flammini and S. Pérennes. Lower bounds on systolic gossip. *Information and Computation*, 196(2) :71–94, 2005.
- [31] M. Flammini and S. Pérennes. Lower Bounds on systolic gossiping. *Information and Computation*, 196(2) :71–94, 2005.
- [32] J-C. Bermond, J. Galtier, R. Klasing, N. Morales, and S. Pérennes. Hardness and approximation of gathering in static radio networks. *Parallel Processing Letters*, 16(2) :165–183, 2006.
- [33] M. Flammini, A. Navarra, and S. Pérennes. The real approximation factor of the mst heuristic for the minimum energy broadcasting. *ACM Journal of Experimental Algorithmics*, 11 :1–13, 2006. (Special Issue associated to the 4th International Workshop on Efficient and Experimental Algorithms (WEA 2005)).

- [34] J-C. Bermond, A. Ferreira, S. Pérennes, and J. Peters. Neighbourhood broadcasting in hypercubes. *SIAM Journal on Discrete Mathematics*, 21(4) :823–843, 2007.
- [35] D. Coudert, P. Datta, S. Pérennes, H. Rivano, and M-E. Voge. Shared risk resource group : Complexity and approximability issues. *Parallel Processing Letters*, 17(2) :169–184, jun 2007.
- [36] M. Flammini, R. Klasing, A. Navarra, and S. Pérennes. Improved approximation results for the minimum energy broadcasting problem. *Algorithmica*, 2007. Published online on October 13th 2007.
- [37] M. Flammini, R. Klasing, A. Navarra, and S. Pérennes. Tightening the upper bound for the minimum energy broadcasting problem. *Wireless Networks*, 2007. Published online. To appear in the Special Issue associated to the 3rd International Symposium on Modelling and Optimization in Mobile, Ad Hoc and Wireless Networks (WiOpt 2005).
- [38] M. Flammini, L. Moscardelli, A. Navarra, and S. Pérennes. Asymptotically optimal solutions for small world graphs. *Theory of Computing Systems*, 42(4), may 2008.
- [39] R. Klasing, N. Morales, and S. Pérennes. On the complexity of bandwidth allocation in radio networks. *Theoretical Computer Science*, 406(3) :225–239, oct 2008.
- [40] O. Amini, F. Giroire, F. Huc, and S. Pérennes. Minimal selectors and fault tolerant networks. *Networks*, 2009. To appear. Published online 31 July 2009, DOI 10.1002/net.20326.
- [41] O. Amini, F. Huc, and S. Pérennes. On the pathwidth of planar graphs. *SIAM Journal of Discrete Mathematics*, 23(3) :1311–1316, August 2009.
- [42] O. Amini, S. Pérennes, and I. Sau. Hardness and Approximation of Traffic Grooming. *Theoretical Computer Science*, 410(38-40) :3751–3760, 2009.
- [43] I. Caragiannis, A. Ferreira, C. Kaklamanis, S. Pérennes, and H. Rivano. Fractional path coloring in bounded degree trees with applications. *Algorithmica*, 2009. Published online : 14 February 2009.
- [44] A. Jarry and S. Pérennes. Disjoint path in symmetric graphs. *Discrete Applied Mathematics*, 157 :90–97, 2009.
- [45] R. Klasing, Z. Lotker, A. Navarra, and S. Pérennes. From balls and bins to points and vertices. *Algorithmic Operations Research (AlGOR)*, 4(2) :133–143, 2009.

Thèse

- [46] S. Pérennes. *Communications dans les Réseaux d'Interconnexion*. PhD thesis, Université de Nice Sophia Antipolis, France, avril 1996.

Acte d'école

- [47] B. Beauquier, S. Pérennes, and J. Rolim, editors. *Quatrième Ecole d'Hiver des Télécommunications et Deuxième Ecole ARACNE*, Golfe Juan, France, December 2001. INRIA - CNRS - Univ. de Nice.

Conférences internationales avec comité de lecture et actes (Avant Doctorat)

- [48] P. Berthomé, A. Ferreira, B. Maggs, S. Pérennes, and G. Plaxton. Sorting-based selection algorithms on hypercubic networks. In *Proceedings of the 7th IEEE International Parallel Processing Symposium – IPPS'93*, pages 89–95. IEEE Press, 1993.

- [49] P. Berthomé, A. Ferreira, and S. Pérennes. Improved algorithm design and optimal information dissemination in Star and Pancake networks. In *Proceedings of the 5th IEEE Symposium on Parallel and Distributed Processing – SPDP’93*, pages 720–723. IEEE Press, December 1993.
- [50] J-C. Bermond and S. Pérennes. Efficient broadcasting protocols on de bruijn and similar networks. In *Proc. Conference SIROCCO95, Olympie, International Informatics Series 2*, pages 199–209. Carleton U. Press, 1995.
- [51] C. Calvin, S. Pérennes, and D. Trystram. Gossiping in torus with wormhole-like routing. In *Proceedings of the 7-th IEEE Symposium on Parallel and Distributed Processing, San-Antonio*, 1995.
- [52] F. Baude, F. Belloncle, J-C. Bermond, D. Caromel, O. Dalle, E. Darrot, O. Delmas, N. Furmento, B. Gaujal, P. Mussi, S. Pérennes, Y. Roudier, G. Siegel, and M. Syska. The *SLOOP* project : Simulations, Parallel Object-Oriented Languages, Interconnection Networks. In *2nd European School of Computer Science, Parallel Programming Environments for High Performance Computing ESPPE’96*, pages 85–88, Alpe d’Huez, April 1996.
- [53] J-C. Bermond, J. Bond, D. Peleg, and S. Pérennes. Tight bounds on the size of 2-monopolies. In *Proc. Conference SIROCCO96, Siena, June 96, International Informatics Series 6*, pages 170–179. Carleton U. Press, 1996.
- [54] J-C. Bermond, L. Gargano, S. Pérennes, A.A. Rescigno, and U. Vaccaro. Efficient collective communications in optical networks. In *Proc.23rd ICALP96, Paderborn, Germany Lecture Notes in Computer Science, 1099*, pages 574–585. Springer verlag, 1996.
- [55] J-C. Bermond, T. Kodate, and S. Pérennes. Gossiping in cayley graphs by packets. In *Proceedings of the Franco-Japanese conference Brest July 95*, volume Lecture Notes in Computer Science, 1120, pages 301–315. Springer verlag, 1996.
- [56] O. Delmas and S. Pérennes. Circuit-Switched Gossiping in 3-Dimensional Torus Networks. In *Proceedings of the Euro-Par’96 Parallel Processing / Second International EURO-PAR Conference*, volume 1123 of *Lecture Notes in Computer Science*, pages 370–373, Lyon, France, 1996. Springer Verlag.
- [57] Cyril Gavoille and Stephane Perennes. Lower bounds for shortest path interval routing. In *SIROCCO*, pages 88–103, 1996.
- [58] Cyril Gavoille and Stephane Perennes. Memory requirements for routing in distributed networks (extended abstract). In *PODC*, pages 125–133, 1996. Best student paper award.

Conférences internationales avec comité de lecture et actes (Après Doctorat)

- [59] B. Beauquier, J-C. Bermond, L. Gargano, P. Hell, S. Pérennes, and U. Vaccaro. Graph problems arising from wavelength-routing in all-optical networks. In *Proc. Conference WOCS97, Geneva*, April 1997.
- [60] J-C. Bermond, J. Bond, D. Peleg, and S. Pérennes. Tight bounds on the size of 2-monopolies. In *Proc. Conference SIROCCO96, Siena, June 96, International Informatics Series 6*, pages 170–179. Carleton U. Press, 1997.
- [61] J-C. Bermond, M. Di Ianni, M. Flammini, and S. Pérennes. Systolic orientations for deadlock prevention in usual networks. In *Proceedings 23th Int Workshop on Graph Theoretic Concepts in Computer Science WG97, Lecture Notes in Computer Science*, volume 1335, pages 52–64. Springer verlag, 1997.

- [62] L. Gargano, P. Hell, and S. Pérennes. Colouring paths in directed symmetric trees with applications to WDM routing. In *ICALP'97*, volume 1256 of *Lecture Notes in Computer Science*, pages 505–515, Bologna, Italy, July 1997. Springer-Verlag.
- [63] J-C. Bermond, N. Marlin, D. Peleg, and S. Pérennes. Directed virtual path layouts in ATM networks. In *Proc. Conference DISC98, Andros, Greece, Sep. 1998 Lecture Notes in Computer Science, 1499*, pages 75–i88. (Full version appeared in TCS). Springer Verlag, 1998.
- [64] J-C. Bermond, N. Marlin, D. Peleg, and S. Pérennes. Virtual path layouts in simple atm networks. In *Proc. Conference IFIP ATM '98, Ilkley, U.K., Jul. 1998*, 1998.
- [65] B. Beauquier, S. Pérennes, and D. Tóth. All-to-all routing and coloring in weighted trees of rings. In *Proc. of 11th ACM Symp. on Parallel Algorithms and Architectures (SPAA)*, pages 185–190, Saint-Malo, France, jun 1999. ACM Press.
- [66] J. Galtier and S. Pérennes. Parallel flips on planar triangulations. In *15th European Workshop on Computational Geometry, Antibes Juan-Les-Pins*, pages 80–86, 1999.
- [67] B. Beauquier, K.S. Candan, A. Ferreira, S. Pérennes, and A. Sen. On shortest path problems with “non-Markovian” link contribution to path lengths. In *Proc. of IFIP/TC6 Networking 2000 Conference*, Paris, France, mai 2000.
- [68] J-C. Bermond, A. Bonnecaze, T. Kodate, S. Pérennes, and P. Solé. Broadcasting in hypercubes in the circuit switched model. In *Proc. Conference IPDPS 2000, Cancun, Mexico., May 2000*, pages 21,26, 2000.
- [69] A. Clementi, A. Ferreira, P. Penna, S. Pérennes, and R. Silvestri. The minimum range assignment problem on linear radio networks. In *Proc. of ESA-00, 8th Annual European Symposium on Algorithms*, volume LNCS, pages 143–154, 2000.
- [70] D. Coudert, A. Ferreira, and S. Pérennes. De Bruijn Isomorphisms and Free Space Optical Networks. In *IEEE International Parallel and Distributed Processing Symposium*, pages 769–774. IEEE Press, 2000.
- [71] P. Fraigniaud, A. Pelc, D. Peleg, and S. Pérennes. Assigning labels in unknown anonymous networks. In *Proceedings of PODC 2000, (Nineteenth Annual ACM SIGACT-SIGOPS Symposium on PRINCIPLES OF DISTRIBUTED COMPUTING)*, pages 101–112, 2000.
- [72] L. Gargano, A. Pelc, S. Pérennes, and U. Vaccaro. Efficient communication in unknown networks. In *Proc. of WG'2000 - 26th International Workshop on Graph-Theoretic Concepts in Computer Science*, volume 1928 of *Lecture Notes in Computer Science*, pages 172–183, Konstanz, Germany, 2000.
- [73] I. Caragiannis, A. Ferreira, C. Kaklamanis, S. Pérennes, P. Persiano, and H. Rivano. Approximate constrained bipartite edge coloring. In V.B. Le A. Branstdt, editor, *27th International Workshop on Graph-Theoretic Concepts in Computer Science (WG'01)*, volume 2204 of *Lecture Notes in Computer Science*, pages 21–31, Boltenhagen, Germany, June 2001. Springer-Verlag.
- [74] C. Gavoille, D. Peleg, S. Pérennes, and R. Raz. Distance labeling in graphs. In *SODA'01*, pages 210–219, 2001.
- [75] J-C. Bermond, S. Choplin, and S. Pérennes. Hierarchical ring network design. In *9th International Colloquium on Structural Information and Communication Complexity (SIROCCO'02)*, pages 1–16. Carleton Scientific, 2002.
- [76] G. Huiban, S. Pérennes, and M. Syska. Traffic grooming in WDM networks with multi-layer switches. In *IEEE ICC*, New-York, apr 2002. CD-Rom.

- [77] A. Ferreira, S. Pérennes, A.W. Richa, H. Rivano, and N. Stier Moses. Models, complexity and algorithms for the design of multifiber wdm networks. In *Telecommunications, 2003. ICT 2003. 10th International Conference on*, volume 1, pages 12–18, 23 Feb.-1 March 2003.
- [78] M. Flammini, R. Klasing, A. Navarra, and S. Pérennes. Improved approximation results for the minimum energy broadcasting problem. In *2nd ACM/SIGMOBILE Annual International Joint Workshop on Foundation of Mobile Computing (DIALM-POMC 2004)*, pages 85–91. ACM Press, 2004.
- [79] R. Klasing, A. Navarra, A. Papadopoulos, and S. Pérennes. Adaptive broadcast consumption (ABC), a new heuristic and new bounds for the minimum energy broadcast routing problem. In *Proc. 3rd FIP-TC6 Networking Conference (Networking 2004)*, volume 3042 of *Lecture Notes in Computer Science*, pages 866–877. Springer-Verlag, 2004.
- [80] Z. Lotker, M. Martinez de Albeniz, and S. Pérennes. Range-free ranking in sensors networks and its applications to localization. In *ADHOC-NOW 2004*, pages 158–171, 2004.
- [81] M. Flammini, L. Moscardelli, A. Navarra, and S. Pérennes. Asymptotically optimal solutions for small world graphs. In *Proceedings of the 19th International Symposium on Distributed Computing, (DISC 2005)*, volume 3724 of *Lecture Notes in Computer Science*, pages 414–428. Springer Verlag, September 2005.
- [82] M. Flammini, A. Navarra, and S. Pérennes. The "real" approximation factor of the mst heuristic for the minimum energy broadcasting. In *Proceedings of the 4th International Workshop on Experimental and Efficient Algorithms, (WEA 2005)*, volume 3503 of *Lecture Notes in Computer Science*, pages 22–31. Springer Verlag, May 2005.
- [83] R. Klasing, Z. Lotker, A. Navarra, and S. Pérennes. From balls and bins to points and vertices. In *Proceedings of the 16th Annual International Symposium on Algorithms and Computation (ISAAC 2005)*, volume 3827 of *Lecture Notes in Computer Science*, pages 757–766. Springer Verlag, December 2005.
- [84] J-C. Bermond, M. Cosnard, D. Coudert, and S. Pérennes. Optimal solution of the maximum all request path grooming problem. In *Advanced International Conference on Telecommunications (AICT)*. IEEE, 2006.
- [85] J-C. Bermond, J. Galtier, R. Klasing, N. Morales, and S. Pérennes. Hardness and approximation of gathering in static radio networks. In *FAWN06*, pages 75–79, Pisa, Italy, March 2006.
- [86] R. Cilibrasi, Z. Lotker, A. Navarra, S. Pérennes, and P. Vitanyi. About the Lifespan of Peer to Peer Networks. In *Proceedings of the 10th International Conference On Principles Of Distributed Systems (OPODIS)*, volume LNCS 4305, pages 290–304, Bordeaux, December 2006. Springer-Verlag.
- [87] D. Coudert, S. Pérennes, H. Rivano, and M-E. Voge. Shared risk resource groups and survivability in multilayer networks. In *IEEE-LEOS ICTON / COST 293 GRAAL*, volume 3, pages 235–238, jun 2006. Invited Paper.
- [88] O. Amini, S. Pérennes, and I. Sau Valls. Hardness and approximation of traffic grooming. In *The 18th International Symposium on Algorithms and Computation (ISAAC 2007)*, volume 4835 of *Lecture Notes in Computer Science*, pages 561–573, Sendai, Japan, dec 2007. Springer-Verlag.
- [89] J-C. Bermond, F. Giroire, and S. Pérennes. Design of minimal fault tolerant on-board networks : Practical constructions. In *14th International Colloquium on Structural Information and Communication Complexity (SIROCCO 07)*, volume 4474 of *Lecture Notes in Computer Sciences*, pages 261–273, Castiglioncello, Italy, jun 2007.

- [90] O. Amini, D. Peleg, S. Pérennes, I. Sau Valls, and S. Saurabh. Degree-constrained subgraph problems : Hardness and approximation results. In *6th International Workshop on Approximation and Online Algorithms (ALGO-WAOA 2008)*, Karlsruhe, Germany, sep 2008.
- [91] C. Gomes, S. Pérennes, and H. Rivano. Bottleneck analysis for routing and call scheduling in multi-hop wireless networks. In *4th IEEE Workshop on Broadband Wireless Access (BWA)*, New-Orleans, US, dec 2008.
- [92] C. Molle, F. Peix, S. Pérennes, and H. Rivano. Optimal routing and call scheduling in wireless mesh networks with localized information. In *the fourth Symposium on Trustworthy Global Computing (TGC 2008)*, volume 5474, Lecture Notes in Computer Science, nov 2008.
- [93] J.-C. Bermond, D. Coudert, J. Moulhierac, S. Perennes, H. Rivano, I. Sau, and F. Solano Donado. MPLS label stacking on the line network. In L. Fratta et al., editor, *IFIP Networking*, volume 5550 of *Lecture Notes in Computer Science*, pages 809–820, Aachen, Germany, May 2009. Springer.
- [94] J-C. Bermond, D. Coudert, J. Moulhierac, S. Perennes, I. Sau, and F. Solano Donado. Designing hypergraph layouts to GMPLS routing strategies. In *16th International Colloquium on Structural Information and Communication Complexity (SIROCCO)*, volume 5869 of *Lecture Notes in Computer Science*. Springer, May 2009.
- [95] O. Dalle, F. Giroire, J. Monteiro, and S. Pérennes. Analysis of failure correlation impact on peer-to-peer storage systems. In *Proceedings of the 9th IEEE International Conference on Peer-to-Peer Computing (P2P)*, pages 184–193, sep 2009.
- [96] F. Giroire, J. Monteiro, and S. Pérennes. P2P storage systems : How much locality can they tolerate ? In *Proceedings of the 34th IEEE Conference on Local Computer Networks (LCN)*, pages 320–323, Oct 2009.

Conférences nationales avec comité de lecture et actes (avant Doctorat)

- [97] O. Delmas and S. Pérennes. Diffusion en mode commutation de circuits dans les tores de dimension k . In *Actes de la 8^{ème} conférence RenPar, Bordeaux*, pages 53–56, 1996.

Conférences nationales avec comité de lecture et actes (Après Doctorat)

- [98] J-C. Bermond, N. Marlin, D. Peleg, and S. Pérennes. Virtual path layouts with low congestion or low diameter in atm networks. In *1ères Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications (AlgoTel'99)*, pages 77–82, Roscoff, France, May 1999.
- [99] D. Coudert, A. Ferreira, and S. Pérennes. Theoretical Aspects of the Optical Transpose Interconnecting System Architecture. In *1ères Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications (AlgoTel'99)*, pages 101–106, Roscoff, France, 5-7 Mai 1999.
- [100] A. Ferreira, J. Galtier, and S. Pérennes. Approximation of a straight line in a bounded lattice. In *2^{ème} Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications (AlgoTel'2000)*, pages 53–58, La Rochelle, France, Mai 2000.
- [101] M.-C. Heydemann, N. Marlin, and S. Pérennes. Rotational cayley graphs on transposition generated groups (extended abstract). In *6^{ème} Colloque International de Théorie des Graphes*, Electronical Notes in Discrete Mathematics, pages 187–190. Elsevier Science, 2000.
- [102] A. Ferreira, S. Pérennes, A. Richa, H. Rivano, and N. Stier. On the design of multifiber WDM networks. In *4^{ème} Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications (AlgoTel'02)*, pages 25–32, Mèze, France, May 2002.

- [103] J-C. Bermond, O. Delmas, F. Havet, M. Montassier, and S. Pérennes. Réseaux de télécommunications minimaux embarqués tolérants. In *5^{ème} Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications (AlgoTel'03)*, pages 27–32, Banyuls, France, May 2003.
- [104] J-C. Bermond, O. DeRivoyre, S. Pérennes, and M. Syska. Groupage par tubes. In *5^{ème} Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications (AlgoTel'03)*, pages 169–174, Banyuls, France, May 2003.
- [105] J.-F. Lalande, S. Pérennes, and M. Syska. Groupage dans les réseaux dorsaux WDM. In *4^{ème} congrès de la Société Française de Recherche Opérationnelle et d'Aide à la Décision (ROADEF'03)*, number 5 in Proceedings in Informatics, pages 254–255, Avignon, France, June 2003. Université d'Avignon et des Pays de Vaucluse.
- [106] D. Coudert, S. Pérennes, Q-C. Pham, and J-S. Sereni. Rerouting requests in WDM networks. In *7^{ème} Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications (AlgoTel'05)*, pages 17–20, Presqu'île de Giens, France, May 2005.
- [107] O. Amini, J-C. Bermond, F. Giroire, F. Huc, and S. Pérennes. Design of minimal fault tolerant networks : Asymptotic bounds. In *8^{ème} Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications (AlgoTel'06)*, pages 37–40, Trégastel, France, May 2006.
- [108] J-C. Bermond, J. Galtier, R. Klasing, N. Morales, and S. Pérennes. Gathering in specific radio networks. In *8^{ème} Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications (AlgoTel'06)*, pages 85–88, Trégastel, France, May 2006.
- [109] O. Amini, S. Pérennes, and I. Sau Valls. Hardness of approximating the traffic grooming. In *9^{ème} Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications (AlgoTel'07)*, Ile d'Oléron, France, May 2007.
- [110] C. Gomes, S. Pérennes, P. Reyes, and H. Rivano. Bandwidth allocation in radio grid networks. In *10^{ème} Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications (AlgoTel'08)*, Saint-Malo, France, May 2008.
- [111] C. Molle, F. Peix, S. Pérennes, and H. Rivano. Formulation en coupe/rounds pour le routage dans les réseaux radio maillés. In *10^{ème} Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications (AlgoTel'08)*, Saint-Malo, France, May 2008.

Rapports de recherches

- [112] D. Coudert, A. Ferreira, and S. Pérennes. Digraph Isomorphisms and Free Space Optical Networks. Technical Report 3817, INRIA, 1999.
- [113] M. Flammini and S. Pérennes. Lower Bounds on systolic gossip. Technical Report 3612, INRIA, 1999.
- [114] M. Flammini and S. Pérennes. Tight upper bound for broadcasting and gossiping. Technical report, INRIA, 1999.
- [115] F. Fraigniaud, A. Pelc, and S. Pérennes. Fast tree naming. Technical Report 3609, INRIA, 1999.
- [116] L. Gargano, A. Pelc, S. Pérennes, and U. Vaccaro. Optimal broadcasting in unknown networks. Technical Report 3609, INRIA, 1999.
- [117] B. Beauquier, O. Delmas, and S. Pérennes. Tight bounds for broadcasting in the linear cost model. Technical Report 3827, INRIA, November 2000.

- [118] O. Audouin, C. Blaizot, E. Dotaro, M. Vigoureux, B. Beauquier, J.-C. Bermond, B. Bongiovanni, S. Pérennes, M. Syska, S. Bibas, L. Chacon, B. Decocq, E. Didelet, A. Laugier, A. Lisser, A. Ouorou, and F. Tillerot. Planification et optimisation des réseaux de transport optiques. Rapport final RNRT PORTO, Alcatel Research & Innovation, Projet MASCOTTE (CNRS/INRIA/UNSA) et France Télécom R&D, Sophia Antipolis, December 2001.
- [119] A. Ferreira, S. Pérennes, A. Richa, H. Rivano, and N. Stier. On the design of multifiber WDM networks. Technical Report 4244, INRIA, August 2001.
- [120] A. Ferreira, S. Pérennes, and H. Rivano. Fractional coloring of bounded degree trees. Technical Report 4094, INRIA, January 2001.
- [121] N. Baskiotis, S. Pérennes, and H. Rivano. Heuristic design of multifiber WDM optical networks by randomized rounding of multicommodity flow. Technical Report 4418, INRIA, 2002.
- [122] B. Beauquier, S. Pérennes, and M. Syska. Efficient access to optical bandwidth, routing and grooming in WDM networks : State-of-the-art survey. IST CRESCCO report, Projet MASCOTTE (CNRS/INRIA/UNSA), Sophia Antipolis, July 2002.
- [123] S. Choplin, J. Galtier, and S. Pérennes. Optimal concave costs in the SDH context. Technical Report RR-5201, INRIA, 2004 route des lucioles - BP 93 - FR-06902 Sophia Antipolis, May 2004.
- [124] R. Klasing, Z. Lotker, A. Navarra, and S. Pérennes. The points and vertices game. Technical Report TRCS 030/2004, Dipartimento di Informatica, Universit degli Studi di L'Aquila, 2004.
- [125] R. Klasing, N. Morales, and S. Pérennes. On the complexity of bandwidth allocation in radio networks with steady traffic demands. Technical report, INRIA Research Report RR-5432 and I3S Research Report I3S/RR-2004-40-FR, 2004. Submitted to Theoretical Computer Science.
- [126] J.-C. Bermond, M. Cosnard, D. Coudert, and S. Pérennes. Optimal solution of the maximum all request path grooming problem. Technical report, INRIA Research Report 5627 and I3S Research Report I3S/RR-2005-18-FR, 2005.
- [127] O. Amini, F. Giroire, F. Huc, and S. Pérennes. Minimal selectors and fault tolerant networks. Technical Report HAL-00082015, INRIA, July 2006.
- [128] O. Amini, F. Huc, and S. Pérennes. On the pathwidth of planar graphs. Technical Report HAL-00082035, INRIA, July 2006.
- [129] J.-C. Bermond, J. Galtier, R. Klasing, N. Morales, and S. Pérennes. Hardness and approximation of gathering in static radio networks. Technical Report 5936, INRIA, 06 2006.
- [130] D. Coudert, P. Datta, S. Pérennes, H. Rivano, and M-E. Voge. Complexity and approximability issues of shared risk resource group. Technical report, INRIA Research Report 5859 and I3S Research Report I3S/RR-2006-08-FR, 2006.
- [131] O. Delmas, F. Havet, M. Montassier, and S. Pérennes. Design of fault tolerant on-board networks. Technical report, INRIA Research Report 5866, March 2006.
- [132] G. Méheut, S. Pérennes, and H. Rivano. Evaluation stochastique et simulation des réseaux radio. Technical Report 5989, INRIA, September 2006.
- [133] O. Amini, S. Pérennes, and I. Sau Valls. Hardness and approximation of traffic grooming. Technical Report 6236, INRIA, jun 2007.
- [134] D. Coudert, S. Pérennes, H. Rivano, and M-E. Voge. Shared risk resource groups and colored graph : Polynomial cases and transformation issues. Technical Report inria-00175143, INRIA, September 2007.

- [135] R. Klasing, Z. Lotker, A. Navarra, and S. Pérennes. From balls and bins to points and vertices. Technical Report RR-1437-07, LaBRI, October 2007.
- [136] O. Amini, D. Peleg, S. Pérennes, I. Sau Valls, and S. Saurabh. Degree-Constrained Subgraph Problems : Hardness and Approximation Results. Technical Report 6690, INRIA, October 2008.
- [137] C. Gomes, S. Pérennes, and H. Rivano. Bottleneck analysis for routing and call scheduling in multi-hop wireless networks. Technical Report inria-00282200, INRIA, May 2008.
- [138] S. Pérennes and I. Sau Valls. Sur la Conjecture des Jeux Uniques. Technical Report 6691, INRIA, October 2008.