

From EULER Project

Publications: Publications**Accepted and published papers**

1. **Dimitri Papadimitriou** (2014) *Routing for the Internet's growth*. net-Xperiment future. ([PDF](#)) ([BibTeX](#))
2. **Matthieu Latapy, Assia Hamzaoui and Clémence Magnien** (2013) *Detecting Events in the Dynamics of Ego-centered Measurements of the Internet Topology*. Journal of Complex Networks, 2(1):38-59. ([PDF](#)) ([BibTeX](#))
3. **Coupechoux, Émilie and Tarissan, Fabien** (2013) *Un modèle pour les graphes bipartis aléatoires avec redondance*. In 4ème Conférence sur les Modèles et l'Analyse des Réseaux : Approches Mathématiques et Informatique (MARAMI).., pages 1-10. ([PDF](#)) ([BibTeX](#))
4. **Korman, Amos, Sereni, Jean-Sébastien and Viennot, Laurent** (2013) *Toward more localized local algorithms: removing assumptions concerning global knowledge*. Distributed Computing, 26(5-6):289-308. ([PDF](#)) ([BibTeX](#))
5. **Aurélien Lancin and Dimitri Papadimitriou** (2013) *DRMSim: A Routing-Model Simulator for Large-Scale Networks*. ERCIM News, 94:31-32. ([PDF](#)) ([BibTeX](#))
6. **Daniel F. Bernardes, Matthieu Latapy and Fabien Tarissan** (2013) *Inadequacy of SIR model to reproduce key properties of real-world spreading cascades: experiments on a large-scale P2P system*. Social Network Analysis and Mining, 3(4):1195-1208. ([PDF](#)) ([BibTeX](#))
7. **Gavoille, Cyril, Glacet, Christian, Hanusse, Nicolas and Ilcinkas, David** (2013) *On the Communication Complexity of Distributed Name-Independent Routing Schemes*. In 27th International Symposium on Distributed Computing (DISC). oct. Springer, page 12. ([URL](#)) ([PDF](#)) ([BibTeX](#))
8. **Elie Rotenberg, Christophe Crespelle and Matthieu Latapy** (2014) *Measuring Routing Tables in the Internet*. In Proceedings of the IEEE International Workshop on Network Science for Communication Networks (NetSciCom). May. ([BibTeX](#))
9. **Fabien Tarissan, Elie Rotenberg, Matthieu Latapy and Christophe Crespelle** (2014) *UDP Ping: a dedicated tool for improving measurements of the Internet topology*. In IEEE 22nd International Symposium on Modeling Analysis and Simulation of Computer and Telecommunication Systems (MASCOTS'14).. ([BibTeX](#))
10. **Ioannis Caragiannis and Alexandros Voudouris** (2014) *Welfare guarantees for proportional allocations*. In 7th International Symposium on Algorithmic Game Theory (SAGT).. ([BibTeX](#))
11. **Dimitri Papadimitriou, Didier Colle, Pieter Audenaert and Piet Demeester** (2013) *Geometric Information Routing*. In Proceedings of Seventh IEEE International Conference on Advanced Networks and Telecommunication Systems (ANTS) 2013 To appear. Chennai, India, December. ([BibTeX](#))
12. **Clémence Magnien, Amélie Medem, Serguey Kirgizov and Fabien Tarissan** (2013) *Towards realistic modeling of IP-level routing topology dynamics*. Networking Science, 3(1-4):24-33. ([BibTeX](#))
13. **Coudert, David, Hogie, Luc, Lancin, Aurélien, Papadimitriou, Dimitri, Perrennes, Stéphane and Tahiri, Issam** (2013) *Feasibility study on distributed simulations of BGP*. Research Report RR-8283, INRIA. ([URL](#)) ([PDF](#)) ([BibTeX](#))
14. **Giroire, F., Modrzejewski, R., Nisse, N. and Perrennes, S.** (2013) *Maintaining Balanced Trees For Structured Distributed Streaming Systems*. In Proceedings of the 20th International Colloquium on Structural Information and Communication Complexity (SIROCCO).. Springer. ([URL](#)) ([PDF](#))

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15. **Aynaud, Thomas, Blondel, Vincent D., Guillaume, Jean-Loup and Lambiotte, Renaud** (2013) *Multilevel Local Optimization of Modularity*. In Graph Partitioning., John Wiley & Sons, Inc., pages 315-345. ([URL](#)) ([BibTeX](#))
16. **Sahhaf, S., Dixit, A, Tavernier, W., Colle, D., Pickavet, M. and Demeester, P.** (2013) *Scalable and energy-efficient optical tree-based greedy router*. In Transparent Optical Networks (ICTON), 2013 15th International Conference on. June, pages 1-4. ([BibTeX](#))
17. **Lambiotte, Renaud, Tabourier, Lionel and Delvenne, Jean-Charles** (2013) *Burstiness and spreading on temporal networks*. The European Physical Journal B, 86(7). ([URL](#)) ([BibTeX](#))
18. **Giroire, Frederic, Modrzejewski, Remigiusz, Nisse, Nicolas and P{\'e}rennes, St{\'e}phane** (2013) *Maintaining Balanced Trees For Structured Distributed Streaming Systems*. Research Report RR-8309, INRIA. ([URL](#)) ([BibTeX](#))
19. **Papadimitriou, D., Careglio, D., Tarissan, F. and Demeester, P.** (2013) *Method of reliability and availability analysis from the dynamic properties of routing and forwarding paths*. In Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT), 2013 5th International Congress on. Sept, pages 222-228. ([BibTeX](#))
20. **Llu{\'i}s F{\'a}brega and Pere Vil{\'a} and Davide Careglio and Dimitri Papadimitriou** (2013) *Summary and Conclusions*. In Measurement Methodology and Tools - First European Workshop, FP7 FIRE/EULER Project, Aalborg, Denmark, May 9, 2012, Revised and Extended Papers. (Llu{\'i}s F{\'a}brega and Pere Vil{\'a} and Davide Careglio and Dimitri Papadimitriou, Eds.) Springer, pages 195-203. ([BibTeX](#))
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24. **Dimitri Papadimitriou and Florin Coras and Alberto Rodriguez and Valentin Carela and Davide Careglio and Llu{\'i}s F{\'a}brega and Pere Vil{\'a} and Piet Demeester** (2013) *Iterative Research Method Applied to the Design and Evaluation of a Dynamic Multicast Routing Scheme*. In Measurement Methodology and Tools - First European Workshop, FP7 FIRE/EULER Project, Aalborg, Denmark, May 9, 2012, Revised and Extended Papers. (Llu{\'i}s F{\'a}brega and Pere Vil{\'a} and Davide Careglio and Dimitri Papadimitriou, Eds.) Springer, pages 107-126. ([BibTeX](#))
25. **Dimitri Papadimitriou and Llu{\'i}s F{\'a}brega and Pere Vil{\'a} and Davide Careglio and Piet Demeester** (2013) *Measurement-Based Experimental Research Methodology*. In Measurement Methodology and Tools - First European Workshop, FP7 FIRE/EULER Project, Aalborg, Denmark, May 9, 2012, Revised and Extended Papers. (Llu{\'i}s F{\'a}brega and Pere Vil{\'a} and Davide Careglio and Dimitri Papadimitriou, Eds.) Springer, pages 5-22. ([BibTeX](#))
26. **Matthieu Latapy, Elie Rotenberg, Christophe Crespelle, Fabien Tarissan** (2014) *Measuring the Degree Distribution of Routers in the Core Internet*. In IFIP Networking 2014.. ([BibTeX](#))
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29. **Dimitri Papadimitriou** (2014) *Complexity: the good, the bad, and the ugly*. NMRG Meeting - IETF 89. (([URL](#))) ([BibTeX](#))
30. **Dimitri Papadimitriou** (2014) *Geometric analysis of flow betweenness centrality*. In Proc. SIAM Workshop on Network Science (NS14), co-located with the 2014 SIAM Annual Meeting. Chicago, Illinois, USA, jul. SIAM. ([BibTeX](#))
31. **Dimitri Papadimitriou** (2014) *Geometric analysis of flow betweenness centrality*. In Proc. SIAM Workshop on Network Science (NS14), co-located with the 2014 SIAM Annual Meeting. Chicago, Illinois, USA, jul. SIAM. ([BibTeX](#))
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33. **G. Karagiannis, A. Petrescu, D. Papadimitriou and B. Wissingh** (2014) *Problem Statement for Internet-wide Geo-networking*. IETF draft
<http://tools.ietf.org/html/draft-karagiannis-problem-statement-geonetworking-01>. (([URL](#))) ([BibTeX](#))
34. **Coudert, David and Ducoffe, Guillaume** (2014) *Recognition of C_4 -free and $1/2$ -hyperbolic graphs*. {Siam Journal on Discrete Mathematics}, 28(3):1601-1617. (([URL](#)))([approve sites](#))) (PDF)([approve sites](#)) ([BibTeX](#))
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38. **Sahhaf, S., Tavernier, W., Colle, D., Pickavet, M. and Demeester, P.** (2014) *Availability analysis of resilient geometric routing on Internet topology*. In Design of Reliable Communication Networks (DRCN), 2014 10th International Conference on the. April, pages 1-8. ([BibTeX](#))
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44. **Davide Careglio, Dimitri Papadimitriou, Fernando Agraz, Sahel Sahhaf, Jordi Perelló, Wouter Tavernier, Salvatore Spadaro and Didier Colle** (2014) *Development and experimentation towards a multicast-enabled Internet*. In Proceedings of the 17th IEEE Global Internet Symposium (GI2014), co-located with IEEE Infocom 2014. Toronto, Canada, April. ([BibTeX](#))
45. **Coudert, David, Mazauric, Dorian and Nisse, Nicolas** (2014) *Experimental Evaluation of a Branch and Bound Algorithm for computing Pathwidth*. In 13th International Symposium on Experimental Algorithms. Copenhagen, Denmark, pages 46-58. (([URL](#))) ([BibTeX](#))

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47. **A. Petrescu, M. Shore, G. Karagiannis, D. Farinacci, D. Papadimitriou, A. Chaiken, B. Wissingh, D. Shihui, R. Buddenberg, C. Reed and B. Dickson** (2014) *An Overview of the GeoNet BoF.*. (([URL](#))) ([BibTeX](#))
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50. **Becker, Florent, Kosowski, Adrian, Matamala, Martin, Nisse, Nicolas, Rapaport, Ivan, Suchan, Karol and Todinca, Ioan** (2014) *Allowing each node to communicate only once in a distributed system: shared whiteboard models*. Distributed Computing. (([URL](#))) ([BibTeX](#))
51. **Hendrickx, J.M.** (2014) *Views in a Graph: To Which Depth Must Equality Be Checked?* Parallel and Distributed Systems, IEEE Transactions on, 25(7):1907-1912. ([BibTeX](#))
52. **Sahel Sahhaf, Wouter Tavernier, Didier Colle, Mario Pickavet and Piet Demeester** (2013) *Link failure recovery technique for greedy routing in the hyperbolic plane*. Computer Communications, 36(6):698 - 707. (([URL](#))) ([BibTeX](#))
53. **Sahhaf, S., Tavernier, W., Colle, D., Pickavet, M. and Demeester, P.** (2013) *Single failure resiliency in greedy routing*. In Design of Reliable Communication Networks (DRCN), 2013 9th International Conference on the. March, pages 306-313. ([BibTeX](#))
54. **Pedro Pedroso, Dimitri Papadimitriou and Davide Careglio** (2011) *Dynamic compact multicast routing on power-law graphs*. In in Proceedings of 2011 IEEE Global Communication Conference (Globecom 2011). Houston, TX, USA, dec. (([URL](#))) ([PDF](#)) ([BibTeX](#))
55. **Ioannis Caragiannis, Angelo Fanelli, Nick Gravin and Alexander Skopalik** (2011) *Efficient computation of approximate pure Nash equilibria in congestion games*. In 52th annual IEEE Symposium on Foundations of Computer Science (FOCS11). Palm Springs, CA, USA, oct. IEEE, pages 532-541. (([URL](#))) ([PDF](#)) ([BibTeX](#))
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61. **Kosowski, A., Li, B., Nisse, N. and Suchan, K.** (2012) *k-Chordal Graphs: from Cops and Robber to Compact Routing via Treewidth*. In 14es Rencontres Francophones sur les Aspects Algorithmiques de T{\e}l{\e}communications (AlgoTel). may, pages 83-86. (([URL](#))) ([PDF](#)) ([BibTeX](#))
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 73. **Abraham, Ittai and Gavoille, Cyril** (2011) *On approximate distance labels and routing schemes with affine stretch*. In 25th International Symposium on Distributed Computing (DISC'11). Roma, Italy, sep. Springer, pages 404-415. ([URL](#)) ([PDF](#)) ([BibTeX](#))
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82. **Daniel Bernardes, Matthieu Latapy and Fabien Tarissan** (2012) *Examining Key Properties of Diffusion Models for Large-Scale Real-World Networks*. In {14{\e}mes Rencontres Francophones sur les Aspects Algorithmiques des T{\e}l{\e}communications (AlgoTel)}. La Grande Motte, France, Apr. ([\(PDF\)](#)) ([\(BibTeX\)](#))
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