

Cristel Pelsser

Complete List of Publications

International Journals and Magazines

1. Aurélien Buchet and Cristel Pelsser. "A Study of Deployed Defenses Against Reflected Amplification Attacks in QUIC". Proceedings of the TMA Conference 2025, March 2025.
2. Aurélien Buchet and Cristel Pelsser. "An Analysis of QUIC Connection Migration in the Wild". SIGCOMM Comput. Commun. Rev., Volume 55, pages 1, pages 3-9, New York, NY, USA, April 2025.
3. Eloise Stein, Quentin Bramas, Flavio Pisani, Tommaso Colombo, and Cristel Pelsser. "FORS: Fault-adaptive Optimized Routing and Scheduling for DAQ Networks". Computing and Software for Big Science, April 2025.
4. Eloise Stein, Flavio Pisani, Tommaso Colombo, and Cristel Pelsser. "Measuring Performance Under Failures in the LHCb Data Acquisition Network". IEEE Transactions on Nuclear Science, Volume PP, pages 1-1, August 2024.
5. Thomas Wirtgen, Nicolas Rybowski, Cristel Pelsser, and Olivier Bonaventure. "The Multiple Benefits of a Secure Transport for BGP". Proceedings of the ACM on Networking, Volume 2, pages CoNEXT4, New York, NY, USA, November 2024.
6. Jean-Romain Luttringer, Thomas Alfroy, Pascal Mérindol, Quentin Bramas, François Clad, and Cristel Pelsser. "Deploying Near-Optimal Delay-Constrained Paths with Segment Routing in Massive-Scale Networks". Computer Networks, June 2022.
7. Maxime Piraux, Tom Barbette, Nicolas Rybowski, Louis Navarre, Thomas Alfroy, Cristel Pelsser, François Michel, and Olivier Bonaventure. "The Multiple Roles That IPv6 Addresses Can Play in Today's Internet". SIGCOMM Comput. Commun. Rev., Volume 52, pages 3, pages 10-18, New York, NY, USA, September 2022.
8. Mohamed Amine Falek, Cristel Pelsser, Sébastien Julien, and Fabrice Theoleyre. "MUSE: Multimodal Separators for Efficient Route Planning in Transportation Networks". Transportation Science, INFORMS, October 2021.
9. Julián Martín Del Fiore, Valerio Persico, Pascal Mérindol, Cristel Pelsser, and Antonio Pescapè. "The Art of Detecting Forwarding Detours". IEEE Transactions on Network and Service Management TNSM, Volume PP, pages 1-1, February 2021.
10. Mohamed Amine Falek, Antoine Gallais, Cristel Pelsser, S. Julien, and Fabrice Theoleyre. "To Re-Route, or not to Re-Route: Impact of Real-Time Re-Routing in Urban Road Networks". Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, June 2021.
11. E. Carisimo, Del Fiore, Julián Martín, D. Dujovne, Cristel Pelsser, and I. Alvarez-Hamelin. "A first look at the Latin American IXPs". ACM SIGCOMM Computer Communication Review, January 2020.
12. Juan Brenes, Alberto Garcia-Martinez, Marcelo Bagnulo, Andra Lutu, and Cristel Pelsser. "Power Prefixes Prioritization for Smarter BGP Reconvergence". IEEE/ACM Transactions on Networking, Volume 28, pages 3, pages 1074-1087, June 2020.
13. D. Hauweele, B. Quoitin, Cristel Pelsser, and Randy Bush. "What do parrots and BGP routers have in common?". ACM SIGCOMM Computer Communication Review, Volume 46, pages 3, pages NA, July 2016.
14. Andra Lutu, Marcelo Bagnulo, Cristel Pelsser, Kenjiro Cho, and Rade Stanojevic. "An analysis of the economic impact of strategic deaggregation". Computer Networks, Volume 81, pages 147-163, March 2015.
15. Andra Lutu, Marcelo Bagnulo, Cristel Pelsser, Olaf Maennel, and Jesús Cid-Sueiro. "The BGP Visibility Toolkit: Detecting Anomalous Internet Routing Behavior". IEEE/ACM Transactions on Networking, Volume 24, pages 2, pages 1237-1250, April 2015.
16. Stefano Vissicchio, Laurent Vanbever, Cristel Pelsser, Luca Cittadini, Pierre François, and Olivier Bonaventure. "Improving Network Agility With Seamless BGP Reconfigurations". IEEE/ACM Transactions on Networking, Volume 21, pages 3, pages 990-1002, June 2013.
17. Laurent Vanbever, Stefano Vissicchio, Cristel Pelsser, Pierre François, and Olivier Bonaventure. "Lossless migrations of link-state IGP". IEEE/ACM Transactions on Networking, Volume 20, pages 6, pages 1842-1855, April 2012.
18. Cristel Pelsser, Steve Uhlig, Tomonori Takeda, Bruno Quoitin, and Kohei Shiomoto. "Providing scalable NH-diverse iBGP route re-distribution to achieve sub-second switch-over time". Computer Networks, Volume 54, pages 14, pages 2492-2505, April 2010.
19. Bruno Quoitin, Cristel Pelsser, Olivier Bonaventure, and Steve Uhlig. "A performance evaluation of BGP-based traffic engineering". International Journal of Network Management, Volume 15, pages 3, pages 177-191, May 2005.
20. Bruno Quoitin, Cristel Pelsser, Louis Swinnen, Olivier Bonaventure, and Steve Uhlig. "Interdomain traffic engineering with BGP". IEEE Communications Magazine, Volume 41, pages 5, pages 122-128, May 2003.

International Conferences

1. Omar Darwich, Cristel Pelsser, and Kevin Vermeulen. "Detecting Traffic Engineering from public BGP data". Proceedings of the Passive and Active Measurement Conference (PAM), Buenos Aires, Argentina, March 2025.

2. *François De Keersmaecker, Rémi Van Boxem, Cristel Pelsser, and Ramin Sadre*. "[The Forest Behind the Tree: Revealing Hidden Smart Home Communication Patterns](#)". Proceedings of the 33rd IEEE International Conference on Network Protocols (ICNP '25), Seoul, South Korea September 2025.
3. *Thomas Holterbach, Thomas Alfroy, Amreesh Phokeer, Alberto Dainotti, and Cristel Pelsser*. "[A System to Detect Forged-Origin Hijacks](#)". 21th USENIX Symposium on Networked Systems Design and Implementation (NSDI 24), 2024.
4. *Auguste Burlats, Pierre Schaus, and Cristel Pelsser*. "[An Exploration of Exact Methods for Effective Network Failure Detection and Diagnosis](#)". Integration of Constraint Programming, Artificial Intelligence, and Operations Research, pages 153-169, Cham, May 2024.
5. *Nicolas Rybowski, Cristel Pelsser, and Olivier Bonaventure*. "[oFIQUIC: Leveraging QUIC in OSPF for seamless network topology changes](#)". IFIP Networking Conference, 2024.
6. *De Keersmaecker, François, Ramin Sadre, and Cristel Pelsser*. "[Supervising Smart Home Device Interactions: A Profile-Based Firewall Approach](#)". Proceedings of the 2024 IFIP Networking Conference, June 2024.
7. *Thomas Alfroy, Thomas Holterbach, Thomas Krenc, K. C. Claffy, and Cristel Pelsser*. "[The Next Generation of BGP Data Collection Platforms](#)". Proceedings of the ACM SIGCOMM 2024 Conference, pages 794-812, Sydney, NSW, Australia, August 2024.
8. *Eloise Noelle Stein, Cristel Pelsser, Quentin Bramas, and Tommaso Colombo*. "[Fault-adaptive Scheduling for Data Acquisition Networks](#)". The 48th IEEE Conference on Local Computer Networks (LCN), Daytona Beach, Florida, USA, October 2023.
9. *Thomas Alfroy, Thomas Holterbach, Thomas Krenc, KC Claffy, and Cristel Pelsser*. "[Internet Science Moonshot: Expanding BGP Data Horizons](#)". Proceedings of the 22nd ACM Workshop on Hot Topics in Networks HotNets, pages 102-108, , Cambridge, MA, USA, November 2023.
10. *Romain Fontugne, Amreesh Phokeer, Cristel Pelsser, Kevin Vermeulen, and Randy Bush*. "[RPKI Time-of-Flight: Tracking Delays in the Management, Control, and Data Planes](#)". Passive and Active Measurement PAM, pages 429-457, Cham, March 2023.
11. *Ryo Nakamura, Kazuki Shimizu, Tepei Kamata, and Cristel Pelsser*. "[A First Measurement with BGP Egress Peer Engineering](#)". Passive and Active Measurement - 23th International Conference, PAM 2022, March 2022.
12. *Jean-Romain Luttringer, Quentin Bramas, Cristel Pelsser, and Pascal Mérindol*. "[A Fast-Convergence Routing of the Hot-Potato](#)". Infocom, April 2021.
13. *Andreas Guillot, Fabrice Theoleyre, and Cristel Pelsser*. "[Fair Delegation of Digital Services Without Third Parties](#)". Symposium on Computers and Communications (ISCC), September 2021.
14. *Clemens Mosig, Randy Bush, Cristel Pelsser, Thomas Schmidt, and M. Wählisch*. "[Revisiting Recommended BGP Route Flap Damping Configurations](#)". Proc. of Network Traffic Measurement and Analysis Conference (TMA), September 2021.
15. *Loïc Miller, Pascal Mérindol, Antoine Gallais, and Cristel Pelsser*. "[Towards Secure and Leak-Free Workflows Using Microservice Isolation](#)". IEEE International Conference on High Performance Switching and Routing Conference (HPSR), June 2021.
16. *Loïc Miller, Pascal Mérindol, Antoine Gallais, and Cristel Pelsser*. "[Verification of Cloud Security Policies](#)". IEEE International Conference on High Performance Switching and Routing Conference (HPSR), January 2021.
17. *Caitlin Gray, Clemens Mosig, Randy Bush, Cristel Pelsser, M. Roughan, Thomas Schmidt, and Matthias Wählisch*. "[BGP Beacons, Network Tomography, and Bayesian Computation to Locate Route Flap Damping](#)". Internet Measurement Conference (IMC), pages 492-505, Virtual Event, USA, January 2020.
18. *Jean-Romain Luttringer, Thomas Alfroy, Pascal Mérindol, Quentin Bramas, François Clad, and Cristel Pelsser*. "[Computing Delay-Constrained Least-Cost Paths for Segment Routing is Easier Than You Think](#)". IEEE International Symposium on Network Computing and Applications, Volume abs/2011.05191, On-Line, France, November 2020.
19. *Marco Zennaro, Cristel Pelsser, Franck Albinet, and Pietro Manzoni*. "[Evaluating the performance of NRENs in deploying IoT in Africa: the case for TTN](#)". 2020 IEEE 17th Annual Consumer Communications & Networking Conference (CCNC), pages 1-4, Las Vegas, NV, USA January 2020.
20. *Loïc Miller and Cristel Pelsser*. "[A Taxonomy of Attacks Using BGP Blackholing](#)". European Symposium on Research in Computer Security, Volume 11735, pages 107-127, Luxembourg, September 2019.
21. *Andreas Guillot, Romain Fontugne, Philipp Winter, Pascal Mérindol, Alistair King, Alberto Dainotti, and Cristel Pelsser*. "[Chocolatine: Outage Detection for Internet Background Radiation](#)". 2019 Network Traffic Measurement and Analysis Conference (TMA), pages 1-8, Paris, France, June 2019.
22. *Odnan Ref Sanchez, Simone Ferlin, Cristel Pelsser, and Randy Bush*. "[Comparing Machine Learning Algorithms for BGP Anomaly Detection Using Graph Features](#)". Big-DAMA, pages 35-41, Orlando, FL, USA, December 2019.
23. *Julián Martín Del Fiore, Pascal Mérindol, Valerio Persico, Cristel Pelsser, and Antonio Pescapè*. "[Filtering the Noise to Reveal Inter-Domain Lies](#)". 2019 Network Traffic Measurement and Analysis Conference (TMA), pages 17-24, Paris, France June 2019.
24. *Florian Streibelt, Franziska Lichtblau, Robert Beverly, Anja Feldmann, Cristel Pelsser, Georgios Smaragdakis, and Randy Bush*. "[BGP Communities: Even more Worms in the Routing Can](#)". Proceedings of the Internet Measurement Conference 2018, IMC 2018, pages 279-292, Boston, MA, USA, October 2018.
25. *Thomas Green, Anthony Lambert, Cristel Pelsser, and Dario Rossi*. "[Leveraging Inter-domain Stability for BGP Dynamics Analysis](#)". Passive and Active Measurement - 19th International Conference, PAM 2018, Volume 10771, pages 203-215, Berlin, Germany, March 2018.

26. *Mohamed Amine Falek, Cristel Pelsser, Antoine Gallais, Sebastien Julien, and Fabrice Theoleyre.* "Unambiguous, Real-Time and Accurate Map Matching for Multiple Sensing Sources". 2018 14th International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob), pages 1-8, Limassol, Cyprus, October 2018.
27. *Anant Shah, Romain Fontugne, Emile Aben, Cristel Pelsser, and Randy Bush.* "Disco: Fast, good, and cheap outage detection". 2017 Network Traffic Measurement and Analysis Conference (TMA), pages 1-9, Dublin, Ireland, June 2017.
28. *Thomas Holterbach, Emile Aben, Cristel Pelsser, Randy Bush, and Laurent Vanbever.* "Measurement Vantage Point Selection Using A Similarity Metric". Proceedings of the Applied Networking Research Workshop, pages 1-3, Prague, Czech Republic, July 2017.
29. *Romain Fontugne, Cristel Pelsser, Emile Aben, and Randy Bush.* "Pinpointing Delay and Forwarding Anomalies Using Large-Scale Traceroute Measurements". Proceedings of the 2017 Internet Measurement Conference, IMC 2017, pages 15-28, London, United Kingdom November 2017.
30. *Antoine Fressancourt, Cristel Pelsser, and Maurice Gagnaire.* "Kumori: Steering Cloud traffic at IXPs to improve resiliency". 2016 12th International Conference on the Design of Reliable Communication Networks (DRCN), pages 138-144, Paris, France, March 2016.
31. *Daniele Iamartino, Cristel Pelsser, and Randy Bush.* "Measuring BGP Route Origin Registration and Validation". Passive and Active Measurement - 16th International Conference, PAM 2015, Volume 8995, pages 28-40, New York, NY, USA, March 2015.
32. *Thomas Holterbach, Cristel Pelsser, Randy Bush, and Laurent Vanbever.* "Quantifying Interference between Measurements on the RIPE Atlas Platform". Proceedings of the 2015 Internet Measurement Conference, pages 437-443, Tokyo, Japan, October 2015.
33. *Jean Lorchat, Cristel Pelsser, and Romain Fontugne.* "Collaborative Repository for Cybersecurity Data and Threat Information". 2014 Third International Workshop on Building Analysis Datasets and Gathering Experience Returns for Security (BADGERS), pages 83-87, Wroclaw, Poland , 2014.
34. *Josh Bailey, Dean Pemberton, Andy Linton, Cristel Pelsser, and Randy Bush.* "Enforcing RPKI-based routing policy on the data plane at an internet exchange". Proceedings of the third workshop on Hot topics in software defined networking, HotSDN '14, pages 211-212, Chicago, IL, USA, August 2014.
35. *Andra Lutu, Marcelo Bagnulo, Cristel Pelsser, and Olaf Maennel.* "Understanding the Reachability of IPv6 Limited Visibility Prefixes". Passive and Active Measurement - 15th International Conference, PAM 2014, Volume 8362, pages 163-172, Los Angeles, CA, USA, March 2014.
36. *Cristel Pelsser, Luca Cittadini, Stefano Vissicchio, and Randy Bush.* "From Paris to Tokyo: on the suitability of ping to measure latency". Proceedings of the 2013 Conference on Internet Measurement Conference IMC, pages 427-432, Barcelona, Spain, October 2013.
37. *Andra Lutu, Cristel Pelsser, Marcelo Bagnulo, and Kenjiro Cho.* "The Aftermath of Prefix Deaggregation". Proceedings of the 2013 25th International Teletraffic Congress (ITC), pages 1-8, Shanghai, China, September 2013.
38. *Debbie Perouli, Timothy G. Griffin, Olaf Maennel, Sonia Fahmy, Cristel Pelsser, Alexander J. T. Gurney, and Iain Phillips.* "Detecting unsafe BGP policies in a flexible world". 2012 20th IEEE International Conference on Network Protocols (ICNP), pages 1-10, Austin, TX, USA November 2012.
39. *Debbie Perouli, Stefano Vissicchio, Alexander Gurney, Olaf Maennel, Timothy Griffin, Iain Phillips, Sonia Fahmy, and Cristel Pelsser.* "Reducing the complexity of BGP stability analysis with hybrid combinatorial-algebraic models". 2012 The 2nd International Workshop on Rigorous Protocol Engineering (WRiPE), pages 1-6, Austin, TX, USA, November 2012.
40. *J. Lorchat, Cristel Pelsser, Randy Bush, K. Shima, H. Schlesinger, and L. Johansson.* "TAMIAS: A distributed storage built on privacy and identity". TERENA Networking Conference 2012: Networking to Services, TNC 2012, Reykjavik, Island May 2012.
41. *Iuniana Opreescu, Mickaël Meulle, Steve Uhlig, Cristel Pelsser, Olaf Maennel, and Philippe Owezarski.* "oBGP: An Overlay for a Scalable iBGP Control Plane". 10th IFIP Networking Conference (NETWORKING), Volume LNCS-6640, pages Part I, pages 420-431, Valencia, Spain, May 2011.
42. *Cristel Pelsser, Olaf Maennel, Pradosh Mohapatra, Randy Bush, and Keyur Patel.* "Route Flap Damping Made Usable". Passive and Active Measurement - 12th International Conference, PAM 2011, Volume 6579, pages 143-152, Atlanta, GA, USA, March 2011.
43. *Laurent Vanbever, Stefano Vissicchio, Cristel Pelsser, Pierre Francois, and Olivier Bonaventure.* "Seamless Network-Wide IGP Migrations". Proceedings of the ACM SIGCOMM 2011 Conference on Applications, Technologies, Architectures, and Protocols for Computer Communications, pages 314-325, Toronto, Ontario, Canada, August 2011.
44. *Jean Lorchat, Cristel Pelsser, Randy Bush, and Keiichi Shima.* "Tamias: A Privacy Aware Distributed Storage". 9th USENIX Conference on File and Storage (FAST11), San Jose, CA, February 2011.
45. *Kenjiro Cho, Cristel Pelsser, Randy Bush, and Youngjoon Won.* "The Japan Earthquake: The Impact on Traffic and Routing Observed by a Local ISP". Proceedings of the Special Workshop on Internet and Disasters, Tokyo, Japan, December 2011.
46. *Iuniana Opreescu, Mickael Meulle, Steve Uhlig, Cristel Pelsser, Olaf Maennel, and Philippe Owezarski.* "Rethinking iBGP routing". Proceedings of the ACM SIGCOMM 2010 Conference on Applications, Technologies, Architectures, and Protocols for Computer Communications, pages 411-412, New Delhi, India, September 2010.
47. *Shohei Kamamura, Takashi Miyamura, Cristel Pelsser, Ichiro Inoue, and Kohei Shiomoto.* "Minimum Backup Configuration-Creation Method for IP Fast Reroute". GLOBECOM 2009 - 2009 IEEE Global Telecommunications Conference, pages 1586-1591, Honolulu, Hawaii, USA December 2009.
48. *Virginie Schriek, Pierre Francois, Cristel Pelsser, and Olivier Bonaventure.* "Preventing the Unnecessary Propagation of BGP Withdraws". Proceedings of the 8th International IFIP-TC 6 Networking Conference, pages 495-508, Aachen, Germany, May 2009.

49. *Akeo Masuda, Cristel Pelsser, and Kohei Shiomoto*. "Prototype Design for Scalable Support of Interdomain Routes in a Single AS". 2009 IEEE Globecom Workshops, pages 1-6, Honolulu, HI, USA, 2009.
50. *Shohei Kamamura, Takashi Miyamura, Cristel Pelsser, Ichiro Inoue, and Kohei Shiomoto*. "Scalable Backup Configurations Creation for IP Fast Reroute". 7th International Workshop on Design of Reliable Communication Networks (DRCN 2009), pages 312-318, October 2009.
51. *Cristel Pelsser, Akeo Masuda, and Kohei Shiomoto*. "Scalable Support of Interdomain Routes in a Single AS". GLOBECOM 2009 - 2009 IEEE Global Telecommunications Conference, pages 1-8, Honolulu, HI, USA, December 2009.
52. *Cristel Pelsser, Tomonori Takeda, Eiji Oki, and Kohei Shiomoto*. "Improving Route Diversity through the Design of iBGP Topologies". Proceedings of IEEE International Conference on Communications, ICC 2008, pages 5732-5738, Beijing, China, May 2008.
53. *Cristel Pelsser and Olivier Bonaventure*. "Path Selection Techniques to Establish Constrained Interdomain MPLS LSPs". Proceedings of the 5th International IFIP-TC6 Conference on Networking Technologies, Services, and Protocols; Performance of Computer and Communication Networks; Mobile and Wireless Communications Systems, pages 209-220, Coimbra, Portugal, May 2006.
54. *Cristel Pelsser*. "Using virtual coordinates in the establishment of inter-domain LSPs". Proceedings of the 2005 ACM Conference on Emerging Network Experiment and Technology, CoNEXT 2005, Toulouse, France, October 24-27, 2005, pages 274-275, Toulouse, France, October 2005.
55. *Cristel Pelsser, Steve Uhlig, and Olivier Bonaventure*. "On the Difficulty of Establishing Interdomain LSPs". IEEE International Workshop on IP Operations & Management (IPOM 2004), October 2004.
56. *Cristel Pelsser and Olivier Bonaventure*. "Extending RSVP-TE to support inter-AS LSPs". Workshop on High Performance Switching and Routing, 2003, HPSR, pages 79-84, June 2003.
57. *Cristel Pelsser and Stefaan De Cnodder*. "Improvements to Core Stateless Fair Queuing". Proceedings of the 7th IFIP/IEEE International Workshop on Protocols for High Speed Networks PfHSN, pages 164-179, Berlin, Heidelberg, 2002.

Posters

1. *Alexandre Vogel, Dena Markudova, Andra Lutu, and Cristel Pelsser*. "Impact of Road Congestion on Mobile Networks". 9th IEEE/IFIP Network Traffic Measurement and Analysis Conference (TMA 2025), Copenhagen, Denmark, June 2025.
2. *Eloise Noelle Stein, Cristel Pelsser, Flavio Pisani, and Tommaso Colombo*. "Measuring Performance Under Failures in the LHCb Data Acquisition Network". 24th IEEE Real Time Conference - ICISE, Quy Nhon, Vietnam April 2024.
3. *De Keersmaecker, François, Ramin Sadre, and Cristel Pelsser*. "Supervising Smart Home Device Interactions: A Profile-Based Firewall Approach". Network Traffic Measurement and Analysis Conference 2024 TMA, Dresden, Germany, May 2024.
4. *Aurélien Buchet, Peter Snyder, Hamed Haddadi, and Cristel Pelsser*. "Detecting IP-tracking proof interfaces by looking for NATs". 2023 7th Network Traffic Measurement and Analysis Conference (TMA), pages 1-4, June 2023.
5. *Thomas Wirtgen, Nicolas Rybowski, Cristel Pelsser, and Olivier Bonaventure*. "Routing over QUIC: Bringing transport innovations to routing protocols". Poster session of the 20th USENIX Symposium on Networked Systems Design and Implementation (NSDI 23' Poster Session), Boston, Massachusetts, USA, April 2023.
6. *Thomas Alfroy, Thomas Holterbach, and Cristel Pelsser*. "MVP: Measuring Internet Routing from the Most Valuable Points". Poster in the Proceedings of the Internet Measurement Conference (IMC), September 2022.
7. *Mosig Clemens, Randy Bush, Cristel Pelsser, Thomas Schmidt, and Matthias Wählisch*. "Revisiting Route Flap Damping in the Wild". Internet Measurement Conference (IMC), Amsterdam, Netherlands, 2019.
8. *Thomas Green, Anthony Lambert, Dario Rossi, and Cristel Pelsser*. "Leveraging interdomain stability for squeezed and juicy BGP dynamics". 7th PhD school on Traffic Monitoring and Analysis (TMA), Dublin, Ireland, June 2017.
9. *Thomas Holterbach, Cristel Pelsser, Randy Bush, and Laurent Vanbever*. "Quantifying Interference Between Measurements On The RIPE Atlas Platform". 5th PhD School on Traffic Monitoring and Analysis (TMA), Barcelona, Spain, April 2015.
10. *Josh Bailey, Dean Pemberton, Andy Linton, Cristel Pelsser, and Randy Bush*. "Enforcing RPKI-Based Routing Policy on the Data Plane at an Internet Exchange". HotSDN 2014 (Poster session), Chicago, IL, USA, August 2014.
11. *Debbie Perouli, Timothy G. Griffin, Olaf Maennel, Sonia Fahmy, Iain Phillips, and Cristel Pelsser*. "Detecting the Unintended in BGP Policies". 20th IEEE International Conference on Network Protocols (ICNP) (Poster session), Austin, TX, USA, October 2012.
12. *Jean Lorchat, Cristel Pelsser, Randy Bush, and Keiichi Shima*. "Tamias: A Privacy Aware Distributed Storage". FAST'2011 Poster, San Jose, CA, USA, February 2011.
13. *Iuniana Oprescu, Mickael Meulle, Steve Uhlig, Cristel Pelsser, Olaf Maennel, and Philippe Owezarski*. "Rethinking iBGP Routing". SIGCOMM 2010 Poster/Demo, New Delhi, India, August 2010.
14. *Cristel Pelsser*. "Using Virtual Coordinates in the Establishment of Inter-domain LSPs". CoNEXT 2005 (Student Workshop), Toulouse, France, October 2005.
15. *Cristel Pelsser*. "MPLS Traffic Engineering across AS boundaries". Inter-Domain Routing Workshop (IDRWS 2004), Amsterdam, Netherlands, May 2004.

National Journals and Magazines

1. *Jean Lorchat and Cristel Pelsser*. "Tamias: 安全かつプライベートな個人向け分散ストレージ". *IJ Internet Infrastructure Review*, Volume 19, May 2013.
2. *Cristel Pelsser*. "ネットワークの再設定に関する共同研究". *IJ News*, Volume 118, October 2013.
3. *Akeo Masuda, Cristel Pelsser, and Kohei Shiomoto*. "SpliTable: Toward Routing Scalability through Distributed BGP Routing Tables". *IEICE Transactions on Communications*, Volume 94-B, pages 1, pages 64-76, January 2011.

National Conferences

1. *Alice Burlats, Cristel Pelsser, and Pierre Schaus*. "An Exploration of Exact Methods for Effective Network Failure Detection and Diagnosis". Proceedings of the 38th Annual Conference of the Belgian Operational Research Society ORBEL, Antwerp, Belgium, February 2024.
2. *Alice Burlats, Cristel Pelsser, and Pierre Schaus*. "Une exploration de méthodes exactes pour une détection et un diagnostic efficaces des défaillances des réseaux". Proceedings of the Journées Francophones de Programmation par Contraintes JFPC, Lean, France, June 2024.
3. *Alice Burlats, Pierre Schaus, and Cristel Pelsser*. "Placement optimal de moniteurs dans un réseau pour la tomographie booléenne". Journées Francophones de Programmation par Contraintes JFPC, Strasbourg, France, May 2023.
4. *Loïc Miller, Pascal Mérindol, Antoine Gallais, and Cristel Pelsser*. "De l'Utilisation des Métagraphes pour la Vérification de Politiques de Sécurité". *AlgoTel*, September 2021.
5. *Jean-Romain Luttringer, Quentin Bramas, Cristel Pelsser, and Pascal Mérindol*. "L'Art d'Anticiper les Changements IGP pour Acheminer Optimalement la Patate en Transit". *CoRes*, September 2021.
6. *Jean-Romain Luttringer, Thomas Alfroy, Pascal Mérindol, François Clad, and Cristel Pelsser*. "Le Problème à trois Contraintes : Calcul et Déploiement de Segments de Routage". *AlgoTel*, La Rochelle, France, September 2021.
7. *Del Fiore, Julián Martín, Pascal Mérindol, and Cristel Pelsser*. "Où un opérateur IP cache-t-il ses détours?". *CoRes*, September 2021.
8. *Loïc Miller, Pascal Mérindol, Antoine Gallais, and Cristel Pelsser*. "Protection contre les fuites de données : un environnement micro-services sécurisé". *CoRes*, La Rochelle, France, September 2021.
9. *Mohamed Amine Falek, Cristel Pelsser, S. Julien, and Fabrice Theoleyre*. "MUSE: une planification d'itinéraires inspirée de Séparateurs Multimodaux". *AlgoTel*, September 2020.
10. *Mohamed Amine Falek, Antoine Gallais, Cristel Pelsser, S. Julien, and Fabrice Theoleyre*. "De l'(in)utilité du temps-réel pour le calcul d'itinéraire dans les réseaux routiers". *AlgoTel*, Saint-Laurent-de-la-Cabrerisse, France, June 2019.
11. *Julien Gamba, Romain Fontugne, Cristel Pelsser, Randy Bush, and Emile Aben*. "BGP table fragmentation: what and who?". *CoRes*, Quiberon, France, May 2017.
12. *Thomas Holterbach, Cristel Pelsser, Randy Bush, and Laurent Vanbever*. "Quantifying Interference between measurements on the RIPE Atlas platform". *CoRes*, Bayonne, France, May 2016.
13. *D. Hauweele, B. Qoitin, Cristel Pelsser, and Randy Bush*. "The Origin of BGP Duplicates". *CoRes*, Bayonne, France, May 2016.
14. *Cristel Pelsser, Akeo Masuda, and Kohei Shiomoto*. "A novel internal BGP route distribution architecture". *IEICE General Conference*, March 2009.
15. *Cristel Pelsser, Akeo Masuda, and Kohei Shiomoto*. "Metrics to Evaluate the Cost of Maintaining Diverse BGP Routes". *IEICE General Conference*, March 2008.
16. *Steve Uhlig, Cristel Pelsser, Bruno Qoitin, and Olivier Bonaventure*. "Vers des réflecteurs de routes plus intelligents". *Colloque Francophone sur l'Ingénierie des Protocoles (CFIP 2005)*, Bordeaux, France, March 2005.

RFCs

1. *Pierre Francois, Bruno Decraene, Cristel Pelsser, Keyur Patel, and Clarence Filsfils*. "Graceful BGP Session Shutdown". *RFC*, March 2018.
2. *Cristel Pelsser, Randy Bush, Keyur Patel, Prodosh Mohapatra, and Olaf Maennel*. "Making Route Flap Damping Usable". *RFC*, May 2014.
3. *Antonio Jose Elizond Armengol, Cristel Pelsser, Bruno Decraene, Zubair Ahmad, Tomonori Takeda, and Pierre Francois*. "Requirements for the Graceful Shutdown of BGP Sessions". *RFC*, April 2011.

IETF Drafts

1. *Shishio Tsuchiya, Seiichi Kawamura, Randy Bush, and Cristel Pelsser*. "Route Flap Damping Deployment Status Survey". *Internet Engineering Task Force*, June 2012.
2. *Cristel Pelsser*. "Limitations induced by BGP on the computation of interdomain LSPs". *Internet Engineering Task Force*, October 2004.
3. *Stefaan De Cnodder and Cristel Pelsser*. "Protection for inter-AS MPLS tunnels". *Internet Engineering Task Force*, July 2004.

4. *Cristel Pelsser and Olivier Bonaventure*. "RSVP-TE extensions for interdomain LSPs". Internet Engineering Task Force, October 2002.

Book chapters

1. *Michel Beaudouin-Lafon, Céline Chevalier, Gilles Grimaud, Benoit Groz, Philippe Marquet, Mathieu Nancel, Cristel Pelsser, Xavier Redon, Thomas Vantrouys, and Emmanuel Waller*. "Numérique et Sciences Informatiques, Terminale spécialité". Hachette Education, March 2022.
2. . "Passive and Active Measurement: 23rd International Conference, PAM 2022, Virtual Event, March 28--30, 2022, Proceedings". Passive and Active Measurement - 23th International Conference, PAM 2022, March 2022.
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Publication Statistics

Total Publications: 129

- International Journals and Magazines: 20
- International Conferences: 57
- Posters: 15
- National Journals and Magazines: 3
- National Conferences: 16
- RFCs: 3
- IETF Drafts: 4
- Book chapters: 3
- Technical reports: 7
- Other Publications: 1

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