

Olivier Bonaventure

Professor,
UCLouvain
, Louvain-la-Neuve, Belgium

Networking
Computer Networks
Routing
Internet
Network Protocols

GET MY OWN PROFILE

	All	Since 2017
Citations	11402	4713
h-index	50	32
i10-index	155	82

0 articles 18 articles

not available available

Based on funding mandates

TITLE	CITED BY	YEAR
TCP Extensions for Multipath Operation with Multiple Addresses A Ford, C Raiciu, M Handley, O Bonaventure RFC	1541	2012
How hard can it be ? Designing and implementing a deployable multipath TCP. C Raiciu, C Paasch, S Barre, A Ford, M Honda, F Duchene, ... USENIX NSDI 2012	~~692~~	2012
How Hard Can It Be? Designing and Implementing a Deployable Multipath TCP C Raiciu, C Paasch, S Barre, A Ford, M Honda, F Duchene, ... USENIX NSDI 2012	692	2012
Achieving sub-second IGP convergence in large IP networks P Francois, C Filsfils, J Evans, O Bonaventure ACM SIGCOMM Computer Communication Review 35 (3), 35-44	394	2005
Exploring mobile/WiFi handover with multipath TCP C Paasch, G Detal, F Duchene, C Raiciu, O Bonaventure Proceedings of the 2012 ACM SIGCOMM workshop on Cellular networks …	357	2012
Interdomain traffic engineering with BGP B Quoitin, C Pelsser, L Swinnen, O Bonaventure, S Uhlig IEEE Communications Magazine 41 (5), 122-128	303	2003
Experimental evaluation of multipath TCP schedulers C Paasch, S Ferlin, O Alay, O Bonaventure Proceedings of the 2014 ACM SIGCOMM workshop on Capacity sharing workshop, 27-32	295	2014
Multipath TCP: from theory to practice S Barré, C Paasch, O Bonaventure NETWORKING 2011, 444-457	281	2011
Opportunities and research challenges of hybrid software defined networks S Vissicchio, L Vanbever, O Bonaventure ACM SIGCOMM Computer Communication Review 44 (2), 70-75	266	2014
Establishing a data transfer connection G DETAL, O Bonaventure, C Paasch US Patent App. 10/110,641	199 *	2018

TITLE	CITED BY	YEAR
Evaluating the benefits of the locator/identifier separation B Quoitin, L Iannone, C De Launois, O Bonaventure Proceedings of 2nd ACM/IEEE international workshop on Mobility in the …	181	2007
Multipath QUIC: Design and Evaluation Q De Coninck, O Bonaventure Proceedings of the 13th International Conference on emerging Networking …	170	2017
IP micro-mobility protocols P Reinbold, O Bonaventure IEEE Communications Surveys & Tutorials 5 (1), 40-57	162	2003
Avoiding transient loops during the convergence of link-state routing protocols P Francois, O Bonaventure IEEE/ACM Transactions on Networking 15 (6), 1280-1292	159	2007
A declarative and expressive approach to control forwarding paths in carrier-grade networks R Hartert, S Vissicchio, P Schaus, O Bonaventure, C Filsfils, T Telkamp, ... ACM SIGCOMM Computer Communication Review 45 (4), 15-28	157	2015
Achieving sub-50 milliseconds recovery upon BGP peering link failures O Bonaventure, C Filsfils, P Francois IEEE/ACM transactions on networking 15 (5), 1123-1135	149	2007
Disruption free topology reconfiguration in OSPF networks P Francois, M Shand, O Bonaventure IEEE INFOCOM 2007-26th IEEE International Conference on Computer …	147	2007
Revealing middlebox interference with tracebox G Detal, B Hesmans, O Bonaventure, Y Vanaubel, B Donnet Proceedings of the 2013 conference on Internet measurement conference, 1-8	143	2013
Open issues in interdomain routing: a survey M Yannuzzi, X Masip-Bruin, O Bonaventure IEEE network 19 (6), 49-56	136	2005
On the benefits of applying experimental design to improve multipath TCP C Paasch, R Khalili, O Bonaventure Proceedings of the ninth ACM conference on Emerging networking experiments …	135	2013
A RED discard strategy for ATM networks and its performance evaluation with TCP/IP traffic V Rosolen, O Bonaventure, G Leduc ACM SIGCOMM Computer Communication Review 29 (3), 23-43	115	1999
On the cost of caching locator/ID mappings L Iannone, O Bonaventure Proceedings of the 2007 ACM CoNEXT conference, 1-12	107	2007
Multipath TCP C Paasch, O Bonaventure Communications of the ACM 57 (4), 51-57	105	2014

TITLE	CITED BY	YEAR
LISP-TREE: a DNS hierarchy to support the lisp mapping system L Jakab, A Cabellos-Aparicio, F Coras, D Saucez, O Bonaventure IEEE Journal on Selected Areas in Communications 28 (8), 1332-1343	99	2010
Computer Networking: Principles, Protocols and Practice O Bonaventure	93	2010
An evaluation of IP-based fast reroute techniques P Francois, O Bonaventure Proceedings of the 2005 ACM conference on Emerging network experiment and …	88	2005
Avoiding transient loops during IGP convergence in IP networks P Francois, O Bonaventure Proceedings IEEE 24th Annual Joint Conference of the IEEE Computer and …	88	2005
Safe update of hybrid SDN networks S Vissicchio, L Vanbever, L Cittadini, GG Xie, O Bonaventure IEEE/ACM Transactions on Networking 25 (3), 1649-1662	87	2017
A performance evaluation of BGP-based traffic engineering B Quoitin, C Pelsser, O Bonaventure, S Uhlig International journal of network management 15 (3), 177-191	82 *	2005
On BGP communities B Donnet, O Bonaventure ACM SIGCOMM Computer Communication Review 38 (2), 55-59	78	2008
Interdomain traffic engineering with redistribution communities B Quoitin, S Tandel, S Uhlig, O Bonaventure Computer Communications 27 (4), 355-363	78 *	2004
Method to share available bandwidth, a processor realizing such a method, and a scheduler, an intelligent buffer and a telecommunication system including such a processor MAR Henrion, O Bonaventure, PIA Barri, E Desmet, JGA Verkinderen US Patent 6,469,982	78	2002
Are TCP extensions middlebox-proof? B Hesmans, F Duchene, C Paasch, G Detal, O Bonaventure Proceedings of the 2013 workshop on Hot topics in middleboxes and network …	77	2013
Seamless network-wide IGP migrations L Vanbever, S Vissicchio, C Pelsser, P Francois, O Bonaventure SIGCOMM '11 Proceedings of the ACM SIGCOMM 2011 conference, Pages 314-325	73	2011
Method of constructing a backup path in an autonomous system O Bonaventure, P Francois, C Filsfils, S Bryant, DD Ward, JG Scudder, ... US Patent 7,864,669	73	2011
Designing a deployable internet: The locator/identifier separation protocol D Saucez, L Iannone, O Bonaventure, D Farinacci IEEE Internet Computing 16 (6), 14-21	71	2012

TITLE	CITED BY	YEAR
Internet Engineering Task Force A. Ford Internet-Draft Cisco Intended status: Experimental C. Raiciu Expires: December 8, 2012 University Politehnica of Bucharest M Handley, O Bonaventure	~~70~~ *	2012
TCP Extensions for Multipath Operation with Multiple Addresses M Handley, O Bonaventure, C Raiciu, A Ford	70	2011
A first analysis of multipath tcp on smartphones QD Coninck, M Baerts, B Hesmans, O Bonaventure International Conference on Passive and Active Network Measurement, 57-69	67	2016
Multipath TCP deployments O Bonaventure, S Seo IETF Journal 12 (2), 24-27	66	2016
On link estimation in dense RPL deployments S Dawans, S Duquennoy, O Bonaventure 37th Annual IEEE Conference on Local Computer Networks-Workshops, 952-955	65	2012
Experimenting with multipath TCP S Barré, O Bonaventure, C Raiciu, M Handley ACM SIGCOMM Computer Communication Review 40 (4), 443-444	65	2010
IGen: Generation of router-level Internet topologies through network design heuristics B Quoitin, V Van den Schrieck, P François, O Bonaventure 2009 21st International Teletraffic Congress, 1-8	65	2009
Interdomain traffic engineering in a locator/identifier separation context D Saucez, B Donnet, L Iannone, O Bonaventure 2008 IEEE Internet Network Management Workshop (INM), 1-6	60	2008
Avoiding disruptions during maintenance operations on BGP sessions P Francois, O Bonaventure, B Decraene, PA Coste IEEE Transactions on Network and Service Management 4 (3), 1-11	60	2007
Designing BGP-based outbound traffic engineering techniques for stub ASes S Uhlig, O Bonaventure ACM SIGCOMM Computer Communication Review 34 (5), 89-106	60	2004
A survey of the utilization of the BGP community attribute B Quoitin, O Bonaventure expired Internet Draft draft-quoitinbgp-comm-survey-00. txt	59 *	2002
Extracting intra-domain topology from mrinfo probing JJ Pansiot, P Mérindol, B Donnet, O Bonaventure International Conference on Passive and Active Network Measurement, 81-90	57	2010
An overview of Multipath TCP O Bonaventure, M Handley, C Raiciu ; login: 37 (5), 17	56	2012

TITLE	CITED BY	YEAR
Pluginizing quic Q De Coninck, F Michel, M Piraux, F Rochet, T Given-Wilson, A Legay, ... Proceedings of the ACM Special Interest Group on Data Communication, 59-74	55	2019
Use cases and operational experience with multipath TCP O Bonaventure, C Paasch, G Detal RFC 8041	~~53~~	2017
Use cases and operational experience with multipath TCP O Bonaventure, C Paasch, G Detal RFC 8041	53	2017
SCMon: Leveraging segment routing to improve network monitoring F Aubry, D Lebrun, S Vissicchio, MT Khong, Y Deville, O Bonaventure IEEE INFOCOM 2016-The 35th Annual IEEE International Conference on Computer …	52	2016
Traffic engineering for multiple spanning tree protocol in large data centers HT Viet, Y Deville, O Bonaventure, P Francois 2011 23rd International Teletraffic Congress (ITC), 23-30	50	2011
Smapp: Towards smart multipath tcp-enabled applications B Hesmans, G Detal, S Barre, R Bauduin, O Bonaventure Proceedings of the 11th ACM Conference on Emerging Networking Experiments …	49	2015
On the co-existence of distributed and centralized routing control-planes S Vissicchio, L Cittadini, O Bonaventure, GG Xie, L Vanbever 2015 IEEE Conference on Computer Communications (INFOCOM), 469-477	49	2015
A Comparison of IP mobility protocols P Reinbold, O Bonaventure IEEE SCVT	48	2001
Lossless Migrations of Link-State IGPs L Vanbever, S Vissicchio, C Pelsser, P Francois, O Bonaventure IEEE/ACM Transactions on Networking	47 *	
TCP Extensions for Multipath Operation with Multiple Addresses, draft-ietf-mptcp-multiaddressed-09 A Ford, C Raiciu, M Handley, O Bonaventure Internetdraft, IETF (March 2012)	~~46~~	2012
A cooperative approach to interdomain traffic engineering B Quoitin, O Bonaventure Next Generation Internet Networks, 2005, 450-457	46	2005
Implications of interdomain traffic characteristics on traffic engineering S Uhlig, O Bonaventure European Transactions on Telecommunications 13 (1), 23-32	46	2002
Leveraging network performance with IPv6 multihoming and multiple provider-dependent aggregatable prefixes C De Launois, B Quoitin, O Bonaventure Computer Networks 50 (8), 1145-1157	45 *	2006
Locator/id separation protocol (lisp) map-versioning L Iannone, D Saucez, O Bonaventure RFC 6834	44	2013

TITLE	CITED BY	YEAR
BGP add-paths: the scaling/performance tradeoffs V Van den Schrieck, P Francois, O Bonaventure IEEE Journal on Selected Areas in Communications 28 (8), 1299-1307	44	2010
Observing real smartphone applications over multipath TCP Q De Coninck, M Baerts, B Hesmans, O Bonaventure IEEE Communications Magazine 54 (3), 88-93	43	2016
Implementing IPv6 Segment Routing in the Linux Kernel D Lebrun, O Bonaventure Proceedings of the Applied Networking Research Workshop, 35-41	42	2017
An efficient algorithm to enable path diversity in link state routing networks P Mérindol, P François, O Bonaventure, S Cateloin, JJ Pansiot Computer Networks 55 (5), 1132-1149	42	2011
Interdomain traffic engineering with minimal BGP configurations S Uhlig, O Bonaventure, B Quoitin Teletraffic Science and Engineering 5, 291-300	42	2003
Quantifying ASes multiconnectivity using multicast information P Mérindol, V Van den Schrieck, B Donnet, O Bonaventure, JJ Pansiot Proceedings of the 9th ACM SIGCOMM conference on Internet measurement, 370-376	41	2009
Path selection techniques to establish constrained interdomain MPLS LSPs C Pelsser, O Bonaventure International Conference on Research in Networking, 209-220	39	2006
On the Cost of Using MPLS for Interdomain Trafic S Uhlig, O Bonaventure International Workshop on Quality of Future Internet Services, 141-152	39	2000
A reputation-based approach for securing vivaldi embedding system D Saucez, B Donnet, O Bonaventure Meeting of the European Network of Universities and Companies in Information …	38	2007
The case for more versatile BGP route reflectors O Bonaventure, S Uhlig, B Quoitin	38	2004
A rate adaptive shaper for differentiated services O Bonaventure, S De Cnodder RFC 2963, October	38	2000
Multipath in the middle (box) G Detal, C Paasch, O Bonaventure Proceedings of the 2013 workshop on Hot topics in middleboxes and network …	37	2013
Implications of the topological properties of Internet traffic on traffic engineering S Uhlig, O Bonaventure, V Magnin, C Rapier, L Deri Proceedings of the 2004 ACM symposium on Applied computing, 339-346	37	2004
Leveraging eBPF for programmable network functions with IPv6 Segment Routing M Xhonneux, F Duchene, O Bonaventure Proceedings of the 14th International Conference on emerging Networking …	36	2018

TITLE	CITED BY	YEAR
An enhanced socket API for Multipath TCP B Hesmans, O Bonaventure Proceedings of the 2016 Applied Networking Research Workshop, 1-6	36	2016
The NAROS approach for IPv6 multihoming with traffic engineering C Launois, O Bonaventure, M Lobelle International Workshop on Quality of Future Internet Services, 112-121	36	2003
A first look at real Multipath TCP traffic B Hesmans, H Tran-Viet, R Sadre, O Bonaventure International Workshop on Traffic Monitoring and Analysis, 233-246	35	2015
On the impact of layer-2 on node degree distribution P Mérindol, B Donnet, O Bonaventure, JJ Pansiot Proceedings of the 10th ACM SIGCOMM conference on Internet measurement, 179-191	35	2010
Tracing multipath TCP connections B Hesmans, O Bonaventure Proceedings of the 2014 ACM Conference on SIGCOMM, 361-362	34	2014
Implementing the locator/id separation protocol: Design and experience L Iannone, D Saucez, O Bonaventure Computer Networks 55 (4), 948-958	34	2011
Graceful convergence in link-state IP networks: A lightweight algorithm ensuring minimal operational impact F Clad, P Mérindol, JJ Pansiot, P Francois, O Bonaventure IEEE/ACM transactions on networking 22 (1), 300-312	33	2013
Improving network agility with seamless BGP reconfigurations S Vissicchio, L Vanbever, C Pelsser, L Cittadini, P Francois, ... IEEE/ACM Transactions on Networking 21 (3), 990-1002	33	2012
BGP Prefix Independent Convergence (PIC) C Filsfils, P Mohapatra, J Bettink, P Dharwadkar, P De Vriendt, Y Tsier, ... Cisco, San Jose, CA, Tech. Rep	33	2011
Understanding the long-term self-similarity of Internet traffic S Uhlig, O Bonaventure International Workshop on Quality of Future Internet Services, 286-298	33	2001
Using BGP to distribute flexible QoS information O Bonaventure IETF draft, draft-bonaventure-bgp-qos-00. txt (February)	33	2001
A simulation study of TCP with the proposed GFR service category O Bonaventure DAGSTUHL Seminar, High Performance Networks for Multimedia Applications …	32	1997
Specification and verification of a TTP protocol for the conditional access to services G Leduc, O Bonaventure, E Koerner, L Léonard, C Pecheur, D Zanetti Formal Methods and their Applications: Telecommunications, VLSI and Real …	32	1996
iBGP Deceptions: More Sessions, Fewer Routes S Vissicchio, L Cittadini, L Vanbever, O Bonaventure INFOCOM 2012	31 *	

TITLE	CITED BY	YEAR
Analysis of residual threats and possible fixes for multipath TCP (mptcp) M Bagnulo, C Paasch, F Gont, O Bonaventure, C Raiciu RFC 7430	30	2015
Controlling the redistribution of bgp routes O Bonaventure, S De Cnodder, J Haas, B Quoitin UCL	30	2003
QoS negotiation for multicast communications L Mathy, O Bonaventure COST 237 Workshop on Multimedia Services and Network Services, 199-218	30	1994
Solving Segment Routing Problems with Hybrid Constraint Programming Techniques R Hartert, P Schaus, S Vissicchio, O Bonaventure International Conference on Principles and Practice of Constraint …	29	2015
Redundant border routers for mission-critical 6lowpan networks L Deru, S Dawans, M Ocaña, B Quoitin, O Bonaventure Real-world wireless sensor networks, 195-203	29	2014
Securing multipath tcp: Design & implementation M Jadin, G Tihon, O Pereira, O Bonaventure IEEE INFOCOM 2017-IEEE Conference on Computer Communications, 1-9	28	2017
Reconsidering the internet routing architecture O Bonaventure ID draftbonaventure-irtf-rrg-rira-00	28	2007
Shaping method, a shaper realizing such a shaping method and communication network including such a shaper O Bonaventure US Patent 6,680,907	28	2004
Lisp-security (lisp-sec) F Maino, V Ermagan, C Albert, D Saucez	27	2014
Scalable route selection for IPv6 multihomed sites C Launois, S Uhlig, O Bonaventure International Conference on Research in Networking, 1357-1361	27	2005
QUIC-FEC: Bringing the benefits of Forward Erasure Correction to QUIC F Michel, Q De Coninck, O Bonaventure 2019 IFIP Networking Conference (IFIP Networking), 1-9	26	2019
Method for policing data traffic, a data traffic policer realizing such a method and a telecommunication network including such a policer O Bonaventure US Patent 6,618,356	26	2003
Guaranteed frame rate: a better service for TCP/IP in ATM networks O Bonaventure, J Nelissen IEEE Network 15 (1), 46-54	26	2001
Observing the evolution of QUIC implementations M Piraux, Q De Coninck, O Bonaventure Proceedings of the Workshop on the Evolution, Performance, and …	25	2018

TITLE	CITED BY	YEAR
Software resolved networks: Rethinking enterprise networks with ipv6 segment routing D Lebrun, M Jadin, F Clad, C Filsfils, O Bonaventure Proceedings of the Symposium on SDN Research, 1-14	25	2018
Multipath TCP: Decoupled from IP, TCP is at last able to support multihomed hosts. C Paasch, O Bonaventure Queue 12 (2), 40-51	25	2014
Improved path exploration in shim6-based multihoming S Barré, O Bonaventure Proc. ACM SIGCOM Workshop on IPv6 and the Future of the Internet	25	2007
The honeytank: a scalable approach to collect malicious Internet traffic N Vanderavero, X Brouckaert, O Bonaventure, BL Charlier Proc. of IISW04	25	2004
From best effort to enhanced QoS A Danthine, O Bonaventure Architecture and Protocols for High-Speed Networks, 179-201	25	1994
A group communication framework L Mathy, G Leduc, O Bonaventure, A Danthine Broadband Islands' 94: Connecting with the End-User, 167-178	25	1994
Revisiting flow-based load balancing: Stateless path selection in data center networks G Detal, C Paasch, S Van Der Linden, P Merindol, G Avoine, ... Computer Networks 57 (5), 1204-1216	24	2013
SWISH: secure WiFi sharing D Leroy, G Detal, J Cathalo, M Manulis, F Koeune, O Bonaventure Computer Networks 55 (7), 1614-1630	24	2011
Authenticated wireless roaming via tunnels: Making mobile guests feel at home M Manulis, D Leroy, F Koeune, O Bonaventure, JJ Quisquater Proceedings of the 4th International Symposium on Information, Computer, and …	23	2009
Towards validated network configurations with NCGuard L Vanbever, G Pardoen, O Bonaventure 2008 IEEE Internet Network Management Workshop (INM), 1-6	21	2008
OpenLISP implementation report L Iannone, D Saucez, O Bonaventure draft-iannone-openlisp-implementation-01, Internet Engineering Task Force	21	2008
Extending RSVP-TE to support inter-AS LSPs C Pelsser, O Bonaventure Workshop on High Performance Switching and Routing, 2003, HPSR., 79-84	21	2003
Beyond socket options: making the Linux TCP stack truly extensible VH Tran, O Bonaventure 2019 IFIP Networking Conference (IFIP Networking), 1-9	20	2019

TITLE	CITED BY	YEAR
Providing bandwidth guarantees to internetwork traffic in ATM networks O Bonaventure 1998 IEEE ATM Workshop Proceedings.'Meeting the Challenges of Deploying the …	20	1998
CG4SR: Near Optimal Traffic Engineering for Segment Routing with Column Generation M Jadin, F Aubry, P Schaus, O Bonaventure IEEE INFOCOM 2019-IEEE Conference on Computer Communications, 1333-1341	19	2019
Towards test-driven software defined networking D Lebrun, S Vissicchio, O Bonaventure 2014 IEEE Network Operations and Management Symposium (NOMS), 1-9	19	2014
Robustly disjoint paths with segment routing F Aubry, S Vissicchio, O Bonaventure, Y Deville Proceedings of the 14th International Conference on emerging Networking …	18	2018
Observing real Multipath TCP traffic VH Tran, Q De Coninck, B Hesmans, R Sadre, O Bonaventure Computer Communications 94, 114-122	18	2016
Framework for Loop-Free Convergence Using the Ordered Forwarding Information Base (oFIB) Approach M Shand, S Bryant, S Previdi, C Filsfils, P Francois, O Bonaventure RFC 6976	18	2013
A stable and distributed network coordinate system C de Launois, S Uhlig, O Bonaventure Technical report, Universite Catholique de Louvain	18	2004
On the difficulty of establishing interdomain LSPs C Pelsser, S Uhlig, O Bonaventure IP Operations and Management, 2004. Proceedings IEEE Workshop on, 134-139	18	2004
Impact of cell discard strategies on TCP/IP in ATM UBR networks V Rosolen, O Bonaventure, G Leduc Performance Modelling and Evaluation of ATM Networks	18	1998
Traffic duplication through segmentable disjoint paths F Aubry, D Lebrun, Y Deville, O Bonaventure 2015 IFIP Networking Conference (IFIP Networking), 1-9	17	2015
Implementation and evaluation of the Shim6 protocol in the Linux kernel S Barré, J Ronan, O Bonaventure Computer Communications 34 (14), 1685-1695	17	2011
Establishing a data transfer connection G Detal, O Bonaventure, C Paasch US Patent 10,110,641	16	2018
Securing the MultiPath TCP handshake with external keys C Paasch, O Bonaventure Work in Progress, draft-paasch-mptcp-ssl-00	16	2012
Software tools for networking O Bonaventure IEEE Network 18 (6), 4-5	16	2004

TITLE	CITED BY	YEAR
SRv6Pipes: enabling in-network bytestream functions F Duchêne, D Lebrun, O Bonaventure Computer Communications 145, 223-233	15	2019
Tuning multipath TCP for interactive applications on smartphones Q De Coninck, O Bonaventure 2018 IFIP Networking Conference (IFIP Networking) and Workshops, 1-9	15	2018
Poster: evaluating android applications with Multipath TCP Q De Coninck, M Baerts, B Hesmans, O Bonaventure Proceedings of the 21st Annual International Conference on Mobile Computing …	15	2015
When the cure is worse than the disease: The impact of graceful IGP operations on BGP L Vanbever, S Vissicchio, L Cittadini, O Bonaventure 2013 Proceedings IEEE INFOCOM, 2220-2228	15	2013
A hierarchical model for BGP routing policies L Vanbever, B Quoitin, O Bonaventure Proceedings of the 2nd ACM SIGCOMM workshop on Programmable routers for …	15	2009
OpenLISP: An open source implementation of the locator/ID separation protocol D Saucez, L Iannone, O Bonaventure ACM SIGCOMM Demos Session, 1-2	15	2009
Implementation and preliminary evaluation of an ISP-driven informed path selection D Saucez, B Donnet, O Bonaventure Proceedings of the 2007 ACM CoNEXT conference, 1-2	15	2007
The QoS Enhancements in OSI95 A Danthine, O Bonaventure, G Leduc The OSI95 Transport Service with Multimedia Support, 125-150	15	1994
Preventing the unnecessary propagation of BGP withdraws VV Schrieck, P Francois, C Pelsser, O Bonaventure International Conference on Research in Networking, 495-508	14	2009
Is VBR a solution for an ATM LAN? O Bonaventure, E Klovning, A Danthine International Workshop on Protocols for High Speed Networks, 60-74	14	1996
Preparing network configurations for IPv6 renumbering D Leroy, O Bonaventure International Journal of Network Management 19 (5), 415-426	13	2009
Increasing Broadband Reach with Hybrid Access Networks N Keukeleire, B Hesmans, O Bonaventure IEEE Communications Standards Magazine 4 (1), 43-49	12	2020
MultipathTester: Comparing MPTCP and MPQUIC in Mobile Environments Q De Coninck, O Bonaventure 2019 Network Traffic Measurement and Analysis Conference (TMA), 221-226	12	2019

TITLE	CITED BY	YEAR
Making multipath tcp friendlier to load balancers and anycast F Duchene, O Bonaventure 2017 IEEE 25th International Conference on Network Protocols (ICNP), 1-10	12	2017
LISP threats analysis D Saucez, I Luigi, O Bonaventure	12	2014
Safe routing reconfigurations with route redistribution S Vissicchio, L Vanbever, L Cittadini, GG Xie, O Bonaventure IEEE INFOCOM 2014-IEEE Conference on Computer Communications, 199-207	12	2014
Analysis of MPTCP residual threats and possible fixes M Bagnulo, C Paasch, F Gont, O Bonaventure, C Raiciu Internet-Draft draft-bagnulo-mptcp-attacks-00	12	2013
A local approach to fast failure recovery of LISP ingress tunnel routers D Saucez, J Kim, L Iannone, O Bonaventure, C Filsfils International Conference on Research in Networking, 397-408	12	2012
3D-LD: a graphical wavelet-based method for analyzing scaling processes S Uhlig, O Bonaventure, C Rapier Proc. of the 15th ITC Specialist Seminar, 329-336	12	2002
Exploring various use cases for IPv6 Segment Routing F Duchene, M Jadin, O Bonaventure Proceedings of the ACM SIGCOMM 2018 Conference on Posters and Demos, 129-131	11	2018
Link bonding with transparent Multipath TCP B Peirens, G Detal, S Barre, O Bonaventure Internet draft, draft-peirens-mptcp-transparent-00, work in progress	11	2016
Recent advances in reliable transport protocols C Raiciu, J Iyengar, O Bonaventure SIGCOMM ebook on Recent Advances in Networking	11	2013
Internet traffic engineering O Bonaventure, P Trimintzios, G Pavlou, B Quoitin, A Azcorra, M Bagnulo, ... Quality of Future Internet Services, 118-179	~~11~~	2003
Internet traffic engineering O Bonaventure, P Trimintzios, G Pavlou, B Quoitin, A Azcorra, M Bagnulo, ... Quality of Future Internet Services, 118-179	~~11~~	2003
Internet traffic engineering O Bonaventure, P Trimintzios, G Pavlou, B Quoitin, A Azcorra, M Bagnulo, ... Quality of Future Internet Services, 118-179	11	2003
An adaptive three-party accounting protocol G Detal, D Leroy, O Bonaventure Proceedings of the 5th international student workshop on Emerging networking …	10	2009
The HoneyTank: a scalable approach to collect malicious internet traffic N Vanderavero, X Brouckaert, O Bonaventure, B Le Charlier International Journal of Critical Infrastructures 4 (1-2), 185-205	10	2008

TITLE	CITED BY	YEAR
Preliminary analysis of the TCP behavior in 802.16 networks JA Perez, B Donnet, O Bonaventure 1st WEIRD Workshop on WiMAX, Wireless and Mobility	10	2007
Model-based verification of a security protocol for conditional access to services G Leduc, O Bonaventure, L Leonard, E Koerner, C Pecheur Formal Methods in System Design 14 (2), 171-191	10	1999
MultiPath TCP-Guidelines for implementers S Barré, C Paasch, O Bonaventure Working Draft, IETF Secretariat, Internet-draft draftbarre-mptcp-impl-00	9	2011
Analysis of paths selection modes for Add-Paths V Van den Schrieck, P François Internet draft draft-vyds-add-paths-analysis-00	9	2009
Implementation of a traffic engineering technique that preserves IP Fast Reroute in COMET HT Viet, P Francois, Y Deville, O Bonaventure AlgoTel	9	2009
Idips: Isp-driven informed path selection D Saucez, B Donnet, O Bonaventure Internet Engineering Task Force	9	2008
Implementing SHIM6 using the Linux XFRM framework S Barre, O Bonaventure Routing In Next Generation workshop, Madrid, Spain	9	2007
Method for data traffic policing, a data traffic policer realizing such a method and a telecommunication network including such a data traffic policer O Bonaventure US Patent 6,678,247	9	2004
Naros: Host-centric ipv6 multihoming with traffic engineering C de Launois Internet-draft (Work in Progress) Draft-de-launois-multi6-naros-00. txt	9	2003
RSVP-TE extensions for interdomain LSPs C Pelsser, O Bonaventure The Internet Engineering Task Force, 1	9	2002
The macroscopic behavior of Internet traffic: A comparative study S Uhlig, O Bonaventure University of Namur	9	2001
Integration of ATM under TCP/IP to provide services with guaranteed minimum bandwidth O Bonaventure Ph. D. Thesis, Universite de Liege	9	1999

TITLE	CITED BY	YEAR
Integration of ATM under TCP/IP to provide services with minimum guaranteed bandwidth O Bonaventure PhD thesis, University of Liege	9	1998
Behaviour of TCP in the European ATM Pilot O Bonaventure, E Klovning, A Danthine Computer Communications 19 (3), 264-275	9	1996
QoS Enhancements and the new transport services A Danthine, O Bonaventure, Y Baguette, G Leduc, L Léonard Local Area Network Interconnection, 1-22	9	1993
OSI 95 Enhanced Transport Facilities and Functions Y Baguette, L Léonard, G Leduc, A Danthine, O Bonaventure	9	1992
Decoupling TCP from IP with multipath TCP O Bonaventure Universite Catholique de Louvain	8	2013
Revisiting next-hop selection in multipath networks S Van der Linden, G Detal, O Bonaventure ACM SIGCOMM Computer Communication Review 41 (4), 420-421	8	2011
Stabilizing BGP routing without harming convergence X Wang, O Bonaventure, P Zhu 2011 IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS …	8	2011
MipShim6: une approche combinée pour la mobilité et la multi-domiciliation S Barré, A Dhraief, N Montavont, O Bonaventure CFIP'2009	8	2009
Validation of a LISP simulator A Cabellos Aparicio, J Domingo Pascual, D Saucez, O Bonaventure	8	2009
OpenLISP: an open source implementation of the Locator/ID Separation Protocol L Iannone, D Saucez, O Bonaventure IEEE INFOCOM, Demo paper	8	2009
WiFi Roaming: Legal Implications and Security Constraints R Robert, M Manulis, F De Villenfagne, D Leroy, J Jost, F Koeune, C Ker, ... International Journal of Law and Information Technology 16 (3), 205-241	8	2008
Passive and Active Network Measurement: 8th International Conference, PAM 2007, Louvain-la-Neuve, Belgium, April 5-6, 2007, Proceedings S Uhlig, K Papagiannaki, O Bonaventure Springer	8	2007
TCP/IP and the European ATM pilot O Bonaventure, A Danthine, E Klovning Proceedings of International Conference on Network Protocols, 270-277	~~8~~	1995
TCP/IP and the European ATM pilot O Bonaventure, A Danthine, E Klovning Proceedings of International Conference on Network Protocols, 270-277	8	1995

TITLE	CITED BY	YEAR
Multipath tcp in hybrid access networks O Bonaventure, G DETAL, S BARRÉ, B PEIRENS US Patent App. 16/308,060	7	2019
Evaluating the artifacts of SIGCOMM papers D Saucez, L Iannone, O Bonaventure ACM SIGCOMM Computer Communication Review 49 (2), 44-47	7	2019
Encouraging Reproducibility in Scientific Research of the Internet V Bajpai, O Bonaventure, K Claffy, D Karrenberg Dagstuhl reports 8 (10)	7	2019
Encouraging Reproducibility in Scientific Research of the Internet V Bajpai, O Bonaventure, K Claffy, D Karrenberg Dagstuhl reports 8 (10)	7	2019
Flexible failure detection and fast reroute using eBPF and SRv6 M Xhonneux, O Bonaventure 2018 14th International Conference on Network and Service Management (CNSM …	7	2018
Adding Forward Erasure Correction to QUIC F Michel, Q De Coninck, O Bonaventure arXiv preprint arXiv:1809.04822	7	2018
The January 2017 issue O Bonaventure ACM SIGCOMM Computer Communication Review 47 (1), 1-3	7	2017
Multipath extension for quic Q De Coninck, O Bonaventure	7	2017
An mptcp option for network-assisted mptcp deployments: Plain transport mode M Boucadair, C Jacquenet, D Behaghel, S Secci, W Henderickx, R Skog, ... IETF	7	2016
Multipath TCP: An annotated bibliography O Bonaventure Technical report, April 2015,< https://github. com/obonaventure/mptcp-bib	7	2015
Behaviour of XTPX in the European ATM Pilot E Klovning, O Bonaventure European transactions on telecommunications 7 (5), 445-454	7	1996
How hard can it be C Raiciu, C Paasch, S Barre, A Ford, M Honda, F Duchene, ... NSDI, NSDI 12, 29-29	7	
xBGP: When you can’t wait for the IETF and vendors T Wirtgen, Q De Coninck, R Bush, L Vanbever, O Bonaventure Proceedings of the 19th ACM Workshop on Hot Topics in Networks, 1-7	6	2020
0-RTT TCP converters O Bonaventure, M Boucadair, B Peirens, SH Seo, A Nandugudi Internet-Draft draft-bonaventure-mptcp-converters-01. IETF Secretariat	6	2017

TITLE	CITED BY	YEAR
Locator/id separation protocol (lisp) threat analysis D Saucez, L Iannone, O Bonaventure RFC 7835	6	2016
Improving Multipath TCP Backup Subflows O Bonaventure, QD Coninck, M Baerts, F Duchene, B Hesmans IETF, Individual Submission, Internet Draft draft-bonaventure-mptcpbackup-00	6	2015
Moving Tor Circuits Towards Multiple-Path: Anonymity and Performance Considerations F Rochet, O Pereira, O Bonaventure Semantic Scholar	6	2015
Network Working Group D. Saucez Internet-Draft INRIA Intended status: Informational L. Iannone Expires: April 10, 2014 Telecom ParisTech O Bonaventure	6 *	2013
Shim6 implementation report: Linshim6 S Barre, O Bonaventure Internet draft, draft-barre-shim6-impl-03. txt	6	2009
An emulation infrastructure for multi-hop wireless communication networks V Guffens, G Bastin, O Bonaventure Internal report	6	2004
Beyond interdomain reachability O Bonaventure, B Quotin, S Uhlig Workshop on Internet Routing Evolution and Design (WIRED)	6	2003
Interdomain routing with BGP: Issues and challenges O Bonaventure IEEE SCVT2002, Louvain-la-Neuve, Belgium	6	2002
Multiflow QUIC: A Generic Multipath Transport Protocol Q De Coninck, O Bonaventure IEEE Communications Magazine 59 (5), 108-113	5	2021
Making the Linux TCP stack more extensible with eBPF VH Tran, O Bonaventure Proc. of the Netdev 0x13, Technical Conference on Linux Networking	5	2019
Every millisecond counts: Tuning Multipath TCP for interactive applications on smartphones Q De Coninck, O Bonaventure Technical report	5	2017
Recent advances in networking H Haddadi, O Bonaventure	5	2013
LISP Map Versioning L Iannone, D Saucez, O Bonaventure IETF-Internet Engineering Task Force, draft-ietf-lisp-map-versioning-00. txt …	5	2012
Using local search for traffic engineering in switched ethernet networks TV Ho, O Bonaventure, Y Deville, PQ Dung, P Francois 2010 22nd International Teletraffic Congress (ITC 22), 1-8	5	2010

TITLE	CITED BY	YEAR
Scaling the Internet with LISP O Bonaventure Trilogy Future Internet summer school 8	5	2009
A simulation study of TCP with the GFR service category O Bonaventure	5	1998
Is ATM a Continuity or a Discontinuity for the LAN Environment? A Danthine, O Bonaventure High-Speed Networking for Multimedia Applications, 45-60	5	1996
Performance evaluation of the CSCW application JVTOS E Klovning, O Bonaventure COST 237 Workshop on Multimedia Services and Network Services, 79-98	5	1995
Beyond socket options: Towards fully extensible Linux transport stacks VH Tran, O Bonaventure Computer Communications 162, 118-138	4	2020
The Case for Pluginized Routing Protocols T Wirtgen, C Dénos, Q De Coninck, M Jadin, O Bonaventure 2019 IEEE 27th International Conference on Network Protocols (ICNP), 1-12	4	2019
Voice-activated applications and Multipath TCP: A good match? VH Tran, H Tazaki, Q De Coninck, O Bonaventure 2018 Network Traffic Measurement and Analysis Conference (TMA), 1-6	4	2018
Design and implementation of ipv6 segment routing D Lebrun, S Previdi, C Filsfils, O Bonaventure Web site.[Online]. Available: http://www. segment-routing. org	4	2016
RFC 6824: TCP extensions for multipath operation with multiple addresses A Ford, C Raiciu, M Handley, O Bonaventure, C Paasch Internet Engineering Task Force	4	2013
Loop-free convergence using ofib M Shand, S Bryant, S Previdi, C Filsfils, P Francois, O Bonaventure Internet Engineering Task Force (IEFT)	4	2012
Method and device for establishing multipath network connections O Bonaventure, G Detal, S Barré US Patent 10,666,773	3	2020
Flexible Anonymous Network F Rochet, O Bonaventure, O Pereira arXiv preprint arXiv:1906.11520	3	2019
COP2: Continuously Observing Protocol Performance O Tilmans, O Bonaventure arXiv preprint arXiv:1902.04280	3	2019
TFO support for Multipath TCP S Barre, G Detal, O Bonaventure, C Paasch Internet-Draft draft-barre-mptcp-tfo-03, Internet Engineering Task Force	3	2018

TITLE	CITED BY	YEAR
TCPSnitch: Dissecting the Usage of the Socket API G Vander Schueren, Q De Coninck, O Bonaventure preprint	3	2017
LISP ITR Graceful Restart D Saucez, O Bonaventure, L Iannone, C Filsfils December	3	2013
MultiPath TCP-Guidelines for implementers draft-barre-mptcp-impl-00. txt S Barré, C Paasch, O Bonaventure IETF	3	2011
On the impact of clustering on measurement reduction D Saucez, B Donnet, O Bonaventure International Conference on Research in Networking, 835-846	3	2009
A secure mechanism for address block allocation and distribution D Leroy, O Bonaventure International Conference on Research in Networking, 748-755	3	2008
The case for an informed path selection service O Bonaventure, D Saucez, B Donnet Internet Engineering Task Force	3	2008
Improving the quality of interdomain paths by using IP tunnels and the DNS O Bonaventure, C De Launois, B Quoitin, M Yannuzzi Technical Report, January	3	2005
Quality of future Internet services: COST Action 263 final report M Smirnov, E Biersack, C Blondia, O Bonaventure, O Casals, G Karlsson, ... Springer	3	2003
Quality of future Internet services: COST Action 263 final report M Smirnov, E Biersack, C Blondia, O Bonaventure, O Casals, G Karlsson, ... Springer	3	2003
IST Project ATRIUM-Report I4. 2 Analysis of Interdomain Traffic S Uhlig, O Bonaventure Technical Report 2001-12, University of Namur	3	2001
Short bibliography on Traffic control and QoS in IP networks O Bonaventure Nov 23, 28	3	2000
TCPLS: Closely Integrating TCP and TLS F Rochet, E Assogba, O Bonaventure Proceedings of the 19th ACM Workshop on Hot Topics in Networks, 45-52	2	2020
Open educational resources for computer networking O Bonaventure, Q De Coninck, F Duchêne, A Gego, M Jadin, F Michel, ... ACM SIGCOMM Computer Communication Review 50 (3), 38-45	2	2020
Tunneling Internet protocols inside QUIC M Piraux, O Bonaventure Internet-Draft draft-piraux-quic-tunnel-01. IETF Secretariat. https://tools …	2	2020

TITLE	CITED BY	YEAR
Making our networking stack truly extensible O Bonaventure 2019 IEEE 44th LCN Symposium on Emerging Topics in Networking (LCN Symposium …	2	2019
Observing Network Handovers with Multipath TCP Q De Coninck, O Bonaventure Proceedings of the ACM SIGCOMM 2018 Conference on Posters and Demos, 54-56	2	2018
Processing of RST segments by Multipath TCP O Bonaventure, C Paasch, G Detal Internet-Draft draft-bonaventure-mptcp-rst-00, IETF Secretariat	2	2014
Understanding the topological properties of Internet traffic: a view from the edge JA Cordero, O Bonaventure 2014 IFIP Networking Conference, 1-9	2	2014
Multi-objective traffic engineering for data center networks TV Ho, Y Deville, O Bonaventure Computer Networks 65, 167-182	2	2014
MultiPath TCP Low Overhead C Paasch, O Bonaventure IETF Internet-Draft draft-paasch-mptcp-lowoverhead-00	2	2012
Enhanced wireless roaming security using three-party authentication and tunnels D Leroy, M Manulis, O Bonaventure Proceedings of the 1st ACM workshop on User-provided networking: challenges …	2	2009
Internet topology discovery through mrinfo probing JJ Pansiot, P Mérindol, B Donnet, O Bonaventure Université catholique de Louvain (UCL), Tech. Rep	2	2009
UOA: User-Oriented-Addressing for Slice Computing M Chen, A Nakao, O Bonaventure, T Li Proceedings of ITC Specialist Seminar on Network Virtualization, Hoi An …	2	2009
Let BGP speakers configure their iBGP sessions on their own V Van den Schrieck, P Francois, S Tandel, O Bonaventure Workshop on Internet Routing Evolution and Design	2	2006
Vers des réflecteurs de route plus intelligents S Uhlig, C Pelsser, B Quoitin, O Bonaventure Colloque Francophone sur l'Ingénierie des protocoles	2	2005
Quality of Future Internet Services: Second COST 263 International Workshop, Qofis 2001, Coimbra, Portugal, September 24-26, 2001. Proceedings MI Smirnov, J Crowcroft, J Roberts, F Boavida Springer	2	2003
eConf: a pragmatic tool to produce and distribute multimedia e-learning content S Nicoll, V Pirot, O Bonaventure SMIL Europe Conference	2	2003

TITLE	CITED BY	YEAR
Internet Traffic Engineering A Azcorra, M Bagnulo, P Flegkas, A Garcia-Martinez, P Georgatsos, ... Chapter of COST263 Final Report	2	2003
Mobile communication device for providing network access from a first network to a second network O Bonaventure, S Barré, G Detal US Patent 10,965,790	1	2021
Educational Virtual Routing Labs with IPMininet M Jadin, O Tilmans, M Mawait, O Bonaventure ACM SIGCOMM Education Workshop	1	2020
The Case for Protocol Plugins Q De Coninck, O Bonaventure Technical Report. https://hdl. handle. net/2078.1/216493	1	2019
TCPSnitch: Dissecting the Usage of the Socket API GV Schueren, Q De Coninck, O Bonaventure arXiv preprint arXiv:1711.00674	1	2017
Measuring and Modeling Multipath TCP VH Tran, R Sadre, O Bonaventure IFIP International Conference on Autonomous Infrastructure, Management and …	1	2015
Traffic Monitoring and Analysis M Steiner, P Barlet-Ros, O Bonaventure Springer	1	2015
Traffic Monitoring and Analysis M Steiner, P Barlet-Ros, O Bonaventure Springer	1	2015
Loop-free convergence using oFIB O Bonaventure, S Previdi, P Francois, S Bryant, C Filsfils, M Shand Internet Engineering Task Force (IETF)	1	2012
Technical report-idrd: Enabling inter-domain route diversity X Misseri, I Gojmerac, O Bonaventure, JL Rougier Telecom Paristech, Tech. Rep.	1	2012
Performance based traffic control with IDIPS D Saucez, O Bonaventure Proceedings of the ACM SIGCOMM 2011 conference, 436-437	1	2011
ISP-Driven Informed Path Selection D Saucez, B Donnet, O Bonaventure Technical report, 2011. http://inl. info. ucl. ac. be/idips	1	2011
The Two Best First Hops algorithm (TBFH) An Efficient Algorithm to Enable Path Diversity in IP Newtorks P Mérindol, P Francois, O Bonaventure, JJ Pansiot, S Cateloin	1	2010
Implementation of a traffic engineering technique that preserves IP Fast Reroute in COMET TV Ho, P François, Y Deville, O Bonaventure Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications	1	2009

TITLE	CITED BY	YEAR
Issues in modelling ISP networks O Bonaventure, P François, B Quoitin	1	2007
Locator/ID Separation: Study on the cost of Mappings Caching and Mappings Lookups L Iannone, O Bonaventure Université Catholique de Louvain, Tech. Rep 4, 2007	1	2007
Supporting mobility in multicast: A compromise between large and Small Group Multicast X Brouckaert, O Bonaventure International Workshop on Multimedia Interactive Protocols and Systems, 120-129	1	2004
Network support for Grid computing D Hutchison, L Mathy, O Bonaventure Computer Communications 27 (14), 1355-1356	1	2004
Interdomain routing with BGP4 O Bonaventure Advanced oneday course, http://www. info. ucl. ac. be/people/OBO/BGP …	1	2003
NAROS: Host-Centric IPv6 Multihoming with Traffic C De Launois, O Bonaventure	1	2003
Traffic control and QoS in IP Networks O Bonaventure, V Pirot, E Hene	1	2001
Towards an Integrated Solution for Multimedia Communications L Mathy, G Leduc, A Danthine, O Bonaventure Bulletin Scientifique de l'Association des Ingénieurs Électriciens sortis de …	1	1996
The ACCOPI Multimedia Transport Service over ATM L Mathy, O Bonaventure COST 237 Workshop on Multimedia Services and Network Services, 158-176	1	1995
Exploring the Trade-offs in Inter-AS LSPs Computation C Pelsser, O Bonaventure Technical Report 2005-13, Department of Computing Science and Engineering …	1	
TCPLS: modern transport services with TCP and TLS F Rochet, E Assogba, M Piraux, K Edeline, B Donnet, O Bonaventure Proceedings of the 17th International Conference on emerging Networking …		2021
Implementing the plugin distribution system N Rybowski, Q De Coninck, T Rousseaux, A Legay, O Bonaventure Proceedings of the SIGCOMM'21 Poster and Demo Sessions, 39-41		2021
SRv6-FEC: bringing forward erasure correction to IPv6 segment routing L Navarre, F Michel, O Bonaventure Proceedings of the SIGCOMM'21 Poster and Demo Sessions, 45-47		2021
Leveraging the 0-RTT convert protocol to improve wi-fi/cellular convergence M Baerts, N Keukeleire, O Bonaventure Proceedings of the Applied Networking Research Workshop, 46-48		2021

TITLE	CITED BY	YEAR
Syllabus LEPL1503 et LINFO1252 O Bonaventure, E Riviere, G Detal, C Paasch		2020
Update on ACM SIGCOMM CCR reviewing process: towards a more open review process R Holz, M Mellia, O Bonaventure, H Haddadi, M Caesar, S Gorinsky, ... ACM SIGCOMM Computer Communication Review 50 (3), 55-56		2020
The January 2020 issue O Bonaventure ACM SIGCOMM Computer Communication Review 50 (1), 1-1		2020
Towards a Collection of Packet Trace Interactive Exercises for Computer Networking Education M Piraux, L Taffin, O Bonaventure ACM SIGCOMM CCR Series on Networking Education		2020
The first fifty years of ACM SIGCOMM O Bonaventure ACM SIGCOMM Computer Communication Review 49 (5), 1-5		2019
Scaling Networking Education with Open Educational Resources O Bonaventure, Q De Coninck, F Duchene, M Jadin, F Michel, M Piraux, ... arXiv preprint arXiv:1904.06910		2019
The January 2019 issue O Bonaventure ACM SIGCOMM Computer Communication Review 49 (1), 1-2		2019
The January 2019 issue O Bonaventure ACM SIGCOMM Computer Communication Review 49 (1), 1-2		2019
The october 2018 issue O Bonaventure ACM SIGCOMM Computer Communication Review 48 (5), 1-1		2019
The April 2018 Issue O Bonaventure ACM SIGCOMM COMPUTER COMMUNICATION REVIEW 48 (2), 1-1		2018
Encouraging Reproducibility in Scientific Research of the Internet V Bajpai, O Bonaventure, K Claffy, D Karrenberg		2018
The October 2017 Issue O Bonaventure ACM SIGCOMM Computer Communication Review 47 (5), 1-1		2017
The April 2017 Issue O Bonaventure ACM SIGCOMM Computer Communication Review 47 (2), 1-1		2017
Network Working Group D. Voyer Internet-Draft D. Bernier Intended status: Informational Bell Canada Expires: September 29, 2017 J. Leddy Comcast C Filsfils, S Previdi, S Salsano, A Cianfrani, D Lebrun, O Bonaventure, ...		2017

TITLE	CITED BY	YEAR
CS1-Java: Introduction à la programmation avec Java O BONAVENTURE, A DUBRAY, O MARTIN, B NAITALI, L TAFFIN, ... Université catholique de Louvain		2017
Use Cases and Operational Experience with Multipath TCP G Detal, O Bonaventure, C Paasch		2017
MPTCP Working Group F. Duchene Internet-Draft UCLouvain Intended status: Experimental V. Olteanu Expires: May 4, 2017 University Politehnica of Bucharest O Bonaventure, C Raiciu, MTCPL Balancing		2016
ACM SIGCOMM Computer Communication Review Volume 46 Issue 2 O Bonaventure, K Argyraki, F Bustamante, J Camp, D Choffnes, A Dainotti, ... ACM 46 (2)		2016
Configurators: many possibilities for Software Defined Networks T Leclercq, JM Davril, L Schumacher, P Heymans, O Tilmans, D Lebrun, ... SDN Day 2016: Optimisation et algorithmes pour les réseaux SDN		2016
Analysis of Residual Threats and Possible Fixes for Multipath TCP (MPTCP) C Raiciu, O Bonaventure, C Paasch, F Gont, M Bagnulo		2015
Systèmes informatiques O BONAVENTURE, G DETAL, C PAASCH		2015
Network Working Group D. Saucez Internet-Draft INRIA Intended status: Informational L. Iannone Expires: January 5, 2015 Telecom ParisTech O Bonaventure		2014
Network Working Group D. Saucez Internet-Draft INRIA Intended status: Informational L. Iannone Expires: October 10, 2014 Telecom ParisTech O Bonaventure		2014
Internet Engineering Task Force A. Ford Internet-Draft Pexip Obsoletes: 6824 (if approved) C. Raiciu Intended status: Experimental U. Politechnica of Bucharest Expires: July 15 … O Bonaventure, C Paasch		2014
The Map-and-Encap Locator/Identifier Separation Paradigm: A Security Analysis D Saucez, L Iannone, O Bonaventure Solutions for Sustaining Scalability in Internet Growth, 148-163		2014
Internet Engineering Task Force (IETF) M. Shand Request for Comments: 6976 Individual Contributor Category: Informational S. Bryant C Filsfils, P Francois, O Bonaventure Framework		2013
Introducing short papers at conext 2013 R Guérin, O Bonaventure ACM SIGCOMM Computer Communication Review 43 (2), 79-79		2013

TITLE	CITED BY	YEAR
Network Working Group D. Saucez Internet-Draft INRIA Intended status: Informational L. Iannone Expires: August 29, 2013 Telecom ParisTech O Bonaventure		2013
Locator/ID Separation Protocol (LISP) Map-Versioning D Saucez, O Bonaventure, L Iannone		2013
ENVIRONMENT2 A Danthine, O Bonaventure High-Speed Networking for Multimedia Applications, 45		2012
Internet Engineering Task Force A. Ford Internet-Draft Cisco Intended status: Experimental C. Raiciu Expires: April 25, 2013 University Politehnica of Bucharest M Handley, O Bonaventure		2012
Network Working Group D. Saucez Internet-Draft INRIA Intended status: Informational L. Iannone Expires: September 2, 2012 Telekom Innovation Laboratories O Bonaventure		2012
Network Working Group L. Iannone Internet-Draft Telekom Innovation Laboratories Intended status: Experimental D. Saucez Expires: September 2, 2012 INRIA Sophia Antipolis O Bonaventure, L Map-Versioning		2012
Internet-Draft O. Bonaventure Intended status: Informational UCLouvain Expires: April 18, 2013 October 15, 2012 MC Paasch		2012
MPTCP C. Paasch, Ed. Internet-Draft O. Bonaventure Intended status: Informational UCLouvain Expires: April 18, 2013 October 15, 2012 MPTCPL Overhead		2012
Network Working Group D. Saucez Internet-Draft Universite catholique de Louvain Intended status: Informational L. Iannone Expires: January 3, 2012 Deutsche Telekom Laboratories AG O Bonaventure		2011
2010 Index IEEE Journal on Selected Areas in Communications Vol. 28 RG Addie, N Agoulmine, OB Akan, IF Akyildiz, AK Al Tamimi, H Alhussien, ... IEEE Journal on Selected Areas in Communications 29 (1), 1		2011
Network Working Group D. Saucez Internet-Draft Universite catholique de Louvain Intended status: Standards Track L. Iannone Expires: April 22, 2010 TU Berlin-Deutsche Telekom … O Bonaventure Notes		2009
Quantifying ASes Multiconnectivity Using Multicast Information BD Schrieck, O Bonaventure, JJ Pansiot		2009
Separating identifiers from locators to scale the Internet. O Bonaventure BROADNETS, 238		2008

TITLE	CITED BY	YEAR
Method for data traffic policing, a data traffic policer realizing such a method and a telecommunication network including such a data traffic policer O Bonaventure US Patent 7,403,478		2008
The Case for an Informed Path Selection Service D Saucez, B Donnet, O Bonaventure		2008
The CoNEXT shadow TPC O Bonaventure, A Chaintreau, L Mathy, P Owezarski ACM SIGCOMM Computer Communication Review 38 (2), 85-86		2008
WiFi Roaming: Legal Implications and Security Constraints 205 Romain Robert, Mark Manulis, Florence De Villenfagne, Damien Leroy, Julien Jost, Francois Koeune, Caroline Ker JM Dinant, Y Poullet, O Bonaventure, JJ Quisquater, LE Gillies, ...		2008
Diversification et nouveaux objectifs de recherche locale pour l'ingénierie de trafic dans les réseaux IP Y DEVILLE, O BONAVENTURE, P FRANCOIS, TV HO		2008
A secure role-based address allocation and distribution mechanism D Leroy, O Bonaventure Proceedings of the 2007 ACM CoNEXT conference, 1-2		2007
Implementation and Preliminary Evaluation of IDIPS: technical notes D Saucez, B Donnet, O Bonaventure		2007
Proceedings of the 8th international conference on Passive and active network measurement S Uhlig, K Papagiannaki, O Bonaventure Springer-Verlag		2007
Proceedings of the 2007 ACM CoNEXT Conference R Guérin, O Bonaventure, H Schulzrinne, J Kurose		2007
The Editors wish to gratefully acknowledge all those listed below who have generously given of their time to review the papers submitted to Computer Networks P Abry, H Adiseshu, HA Amara, A Agarwal, N Agoulmine, R Ahmed, ... Computer Networks 50, 731-738		2006
Open issues in interdomain routing: A survey O Bonaventure, X Masip, M Yannuzzi		2005
Guest editorial-Interdomain routing and the border gateway protocol O Bonaventure, A Feldmann, L Gao, T Griffin, ZM Mao IEEE Network 19 (6), 3-4		2005
Multi-area intra-domain routing M Baldi, F Risso, O Bonaventure, S Uhlig, S Iasi		2005
Comparison of IBGP topologies V Van den Schrieck, O Bonaventure Proceedings of the 2005 ACM conference on Emerging network experiment and …		2005

TITLE	CITED BY	YEAR
The Editors wish to gratefully acknowledge all those listed below who have generously given of their time to review the papers submitted to Computer Networks. Ayman A. Abdel … HA Amara, R Ackermann, H Adiseshu, S Agarwal, N Agoulmine, P Aguiar, ... Computer Networks 47, 593-598		2005
IGP Convergence in a SP network Sub-second and Beyond Part II: The network O Bonaventure, P François		2004
The Editors wish to gratefully acknowledge all those listed below who have generously given of their time to review the papers submitted to Computer Networks. Ayman A. Abdel … OB Akan, K Al Agha, J Altmann, HA Amara, D Amyot, M Andrews, P Anelli, ... Computer Networks 45, 237-240		2004
Quality of future Internet services M Smirnow, E Biersack, C Blondia, O Bonaventure, O Casals, G Karlsson, ... COST 263 International workshop		2003
eConf: une solution efficace pour l'enregistrement multimédia de cours S Nicoll, V Pirot, O Bonaventure Document numérique 7 (1), 11-23		2003
Module de garantie de transmission P Reinbold, S Martin, O Bonaventure, G Leduc ARTHUR-Manuel d'informatisation des urgences, 128-147		2003
RSVP-TE extensions for interdomain LSPs O Bonaventure		2002
Internet traffic engineering techniques O Bonaventure		2002
Réseaux: technologies et applications O Bonaventure, V Pirot, E Hene		2001
A pragmatic solution to distribute courses over the Internet V Pirot, E Hêne, O Bonaventure Learning Without Limits: Developing the Next Generation of Education, 42-46		2001
RFC2963: A Rate Adaptive Shaper for Differentiated Services O Bonaventure, SD Cnodder RFC Editor		2000
QoS Negotiation for Multicast Communications1 D Hutchison, A Danthine, H Leopold, G Coulson		1994
Packet delivery time as a tie-breaker for assessing Wi-Fi access points F Michel, O Bonaventure		
TCPSnitch: dissecting the socket API usage G Vander Schueren, O Bonaventure		

TITLE	CITED BY	YEAR

Abstract A RED discard strategy for ATM networks and its performance evaluation with TCP/IP traffic
V Rosolen, O Bonaventure, G Leduc

Leveraging Multipath TCP to create Hybrid Access Networks
G Detal, S Barré, B Peirens, O Bonaventure

Traffic dispersion through segmentable disjoint paths
F Aubry, D Lebrun, Y Deville, O Bonaventure

Networked Systems 2013 Tutorial on Multipath TCP
O Bonaventure

Article de périodique (Journal article)
B Van der Linden

GI'2013: 16th IEEE Global Internet Symposium-Committees
M Bagnulo, R Van Meter, F Baker, O Bonaventure, L Cittadini, M Fayed, ...

Robust fault-recovery in Software-Defined Networks
O Tilmans, O Bonaventure, S Vissicchio, M Canini

Hitoshi Asaeda
A Azcorra, FBIENS France, M Bagnulo, F Bai, A Banchs, S Banerjee, ...

WEDNESDAY, 7 MAY 2014
D Lebrun, S Vissicchio, O Bonaventure, T Lin, JM Kang, H Bannazadeh, ...

Technical Program Committee Members
JM Bonnin, FC Bouras, T Brandão, G Braudaway, C Brites, A Bruckstein, ...

Passive and Active Network Measurement
SUK Papagiannaki, O Bonaventure

Aagesen, Finn Arve 128 Abeck, Sebastian 1 Bellalta, Boris 52 Binzenhöfer, Andreas 86
O Bonaventure, F Brandt, T Broens, T Cinkler, L Daniele, ...

Towards an Open Path Selection Architecture
D Saucez, B Donnet, O Bonaventure, D Papadimitriou

Evaluating the Performance of LISP Mapping Systems
L Jakab, A Cabellos, F Coras, D Saucez, O Bonaventure

On the Topological Stability of Interdomain Traffic
S Uhlig, V Magnin, O Bonaventure, CRL Deri

Towards a modular architecture for future Internet control plane protocols
O Bonaventure, S Van Der Linden, L Vanbever

UOA: an Architecture of Addressing Users for Slice Computing
M Chen, A Nakao, O Bonaventure, T Li

Work in Progress: On the Impact of Clustering on Measurement Reduction
D Saucez, B Donnet, O Bonaventure