Technology Society News (Feb. 2003), pp. 4–10. [Koponen 2010] T. Koponen, M. Casado, N. Gude, J. Stribling, L. Poutievski, M. Zhu, R. Ramanathan, Y. Iwata, H. Inoue, T. Hama, S. Shenker, "Onix: A Distributed Control Platform for Large-Scale Production Networks," 9th USENIX conference on Operating systems design and implementation (OSDI'10), pp. 1-6. [Koponen 2011] T. Koponen, S. Shenker, H. Balakrishnan, N. Feamster, I. Ganichev, A. Ghodsi, P. B. Godfrey, N. McKeown, G. Parulkar, B. Raghavan, J. Rexford, S. Arianfar, D. Kuptsov, "Architecting for Innovation," ACM Computer Communications Review, 2011. [Korhonen 2003] J. Korhonen, Introduction to 3G Mobile Communications, 2nd ed., Artech House, 2003. [Koziol 2003] J. Koziol, Intrusion Detection with Snort, Sams Publishing, 2003. [Kreutz 2015] D. Kreutz, F.M.V. Ramos, P. Esteves Verissimo, C. Rothenberg, S. Azodolmolky, S. Uhlig, "Software-Defined Networking: A Comprehensive Survey," Proceedings of the IEEE, Vol. 103, No. 1 (Jan. 2015), pp. 14-76. This paper is also being updated at https://github.com/SDN-Survey/latex/wiki [Krishnamurthy 2001] B. Krishnamurthy, J. Rexford, Web Protocols and Practice: HTTP/ 1.1, Networking Protocols, and Traffic Measurement, Addison-Wesley, Boston, MA, 2001. [Kulkarni 2005] S. Kulkarni, C. Rosenberg, "Opportunistic Scheduling: Generalizations to Include Multiple Constraints, Multiple Interfaces, and Short Term Fairness," Wireless Networks, 11 (2005), 557-569. [Kumar 2006] R. Kumar, K.W. Ross, "Optimal Peer-Assisted File Distribution: Single and Multi-Class Problems," IEEE Workshop on Hot Topics in Web Systems and Technologies (Boston, MA, 2006). [Labovitz 1997] C. Labovitz, G. R. Malan, F. Jahanian, "Internet Routing Instability," Proc. 1997 ACM SIGCOMM (Cannes, France, Sept. 1997), pp. 115–126. [Labovitz 2010] C. Labovitz, S. Iekel-Johnson, D. McPherson, J. Oberheide, F. Jahanian, "Internet Inter-Domain Traffic," Proc. 2010 ACM SIGCOMM. [Labrador 1999] M. Labrador, S. Banerjee, "Packet Dropping Policies for ATM and IP Networks," IEEE Communications Surveys, Vol. 2, No. 3 (Third Quarter 1999), pp. 2-14. [Lacage 2004] M. Lacage, M.H. Manshaei, T. Turletti, "IEEE 802.11 Rate Adaptation: A Practical Approach," ACM Int. Symposium on Modeling, Analysis, and Simulation of Wireless and Mobile Systems (MSWiM) (Venice, Italy, Oct. 2004). [Lakhina 2004] A. Lakhina, M. Crovella, C. Diot, "Diagnosing Network-Wide Traffic Anomalies," Proc. 2004 ACM SIGCOMM. [Lakhina 2005] A. Lakhina, M. Crovella, C. Diot, "Mining Anomalies Using Traffic Feature Distributions," Proc. 2005 ACM SIGCOMM. [Lakshman 1997] T. V. Lakshman, U. Madhow, "The Performance of TCP/IP for Networks with High Bandwidth-Delay Products and Random Loss," IEEE/ACM Transactions on Networking, Vol. 5, No. 3 (1997), pp. 336–350. [Lakshman 2004] T. V. Lakshman, T. Nandagopal, R. Ramjee, K. Sabnani, T. Woo, "The SoftRouter Architecture," Proc. 3nd ACM Workshop on Hot Topics in Networks (Hotnets-III), Nov. 2004. [Lam 1980] S. Lam, "A Carrier Sense Multiple Access Protocol for Local Networks," Computer Networks, Vol. 4 (1980), pp. 21–32. [Lamport 1989] L. Lamport, "The Part-Time Parliament," Technical Report 49, Systems Research Center, Digital Equipment Corp., Palo Alto, Sept. 1989. [Lampson 1983] Lampson, Butler W. "Hints for computer system design," ACM SIGOPS Operating Systems Review, Vol. 17, No. 5, 1983. [Lampson 1996] B. Lampson, "How to Build a Highly Available System Using Consensus," Proc. 10th International Workshop on Distributed Algorithms (WDAG '96), Özalp Babaoglu and Keith Marzullo (Eds.), Springer-Verlag, pp. 1–17. [Lawton 2001] G. Lawton, "Is IPv6 Finally Gaining Ground?" IEEE Computer Magazine (Aug. 2001), pp. 11-15. [LeBlond 2011] S. Le Blond, C. Zhang, A. Legout, K. Ross, W. Dabbous. 2011, "I know where you are and what you are sharing: exploiting P2P communications to invade users' privacy." 2011 ACM Internet Measurement Conference, ACM, New York, NY, USA, pp. 45-60. [Leighton 2009] T. Leighton, "Improving Performance on the Internet," Communications of the ACM, Vol. 52, No. 2 (Feb. 2009), pp. 44-51. [Leiner 1998] B. Leiner, V. Cerf, D. Clark, R. Kahn, L. Kleinrock, D. Lynch, J. Postel, L. Roberts, S. Woolf, "A Brief History of the Internet," http://www.isoc.org/internet/history/brief.html [Leung 2006] K. Leung,

V. O.K. Li, "TCP in Wireless Networks: Issues, Approaches, and Challenges," IEEE Commun. Surveys and Tutorials, Vol. 8, No. 4 (2006), pp. 64–79. [Levin 2012] D. Levin, A. Wundsam, B. Heller, N. Handigol, A. Feldmann, "Logically Centralized?: State Distribution Trade-offs in Software Defined Networks," Proc. First Workshop on Hot Topics in Software Defined Networks (Aug. 2012), pp. 1–6. [Li 2004] L. Li, D. Alderson, W. Willinger, J. Doyle, "A First-Principles Approach to Understanding the Internet's Router-Level Topology," Proc. 2004 ACM SIGCOMM (Portland, OR, Aug. 2004). [Li 2007] J. Li, M. Guidero, Z. Wu, E. Purpus, T. Ehrenkranz, "BGP Routing Dynamics Revisited." ACM Computer Communication Review (Apr. 2007). [Li 2015] S.Q. Li, "Building Softcom Ecosystem Foundation," Open Networking Summit, 2015. [Lin 2001] Y. Lin, I. Chlamtac, Wireless and Mobile Network Architectures, John Wiley and Sons, New York, NY, 2001. [Liogkas 2006] N. Liogkas, R. Nelson, E. Kohler, L. Zhang, "Exploiting BitTorrent for Fun (but Not Profit)," 6th International Workshop on Peer-to-Peer Systems (IPTPS 2006). [Liu 2003] J. Liu, I. Matta, M. Crovella, "End-to-End Inference of Loss Nature in a Hybrid Wired/Wireless Environment," Proc. WiOpt'03: Modeling and Optimization in Mobile, Ad Hoc and Wireless Networks. [Locher 2006] T. Locher, P. Moor, S. Schmid, R. Wattenhofer, "Free Riding in BitTorrent is Cheap," Proc. ACM HotNets 2006 (Irvine CA, Nov. 2006). [Lui 2004] J. Lui, V. Misra, D. Rubenstein, "On the Robustness of Soft State Protocols," Proc. IEEE Int. Conference on Network Protocols (ICNP '04), pp. 50-60. [Mahdavi 1997] J. Mahdavi, S. Floyd, "TCP-Friendly Unicast Rate-Based Flow Control," unpublished note (Jan. 1997). [MaxMind 2016] http://www.maxmind.com/app/ip-location [Maymounkov 2002] P. Maymounkov, D. Mazières. "Kademlia: A Peer-to-Peer Information System Based on the XOR Metric." Proceedings of the 1st International Workshop on Peerto-Peer Systems (IPTPS '02) (Mar. 2002), pp. 53–65. [McKeown 1997a] N. McKeown, M. Izzard, A. Mekkittikul, W. Ellersick, M. Horowitz, "The Tiny Tera: A Packet Switch Core," IEEE Micro Magazine (Jan.–Feb. 1997). [McKeown 1997b] N. McKeown, "A Fast Switched Backplane for a Gigabit Switched Router," Business Communications Review, Vol. 27, No. 12. http://tinytera.stanford.edu/~nickm/papers/cisco_fasts_wp.pdf [McKeown 2008] N. McKeown, T. Anderson, H. Balakrishnan, G. Parulkar, L. Peterson, J. Rexford, S. Shenker, J. Turner. 2008. OpenFlow: Enabling Innovation in Campus Networks. SIGCOMM Comput. Commun. Rev. 38, 2 (Mar. 2008), pp. 69–74. [McQuillan 1980] J. McQuillan, I. Richer, E. Rosen, "The New Routing Algorithm for the Arpanet," IEEE Transactions on Communications, Vol. 28, No. 5 (May 1980), pp. 711–719. [Metcalfe 1976] R. M. Metcalfe, D. R. Boggs. "Ethernet: Distributed Packet Switching for Local Computer Networks," Communications of the Association for Computing Machinery, Vol. 19, No. 7 (July 1976), pp. 395–404. [Meyers 2004] A. Myers, T. Ng, H. Zhang, "Rethinking the Service Model: Scaling Ethernet to a Million Nodes," ACM Hotnets Conference, 2004. [MFA Forum 2016] IP/MPLS Forum homepage, http://www.ipmplsforum.org/ [Mockapetris 1988] P. V. Mockapetris, K. J. Dunlap, "Development of the Domain Name System," Proc. 1988 ACM SIGCOMM (Stanford, CA, Aug. 1988). [Mockapetris 2005] P. Mockapetris, Sigcomm Award Lecture, video available at http://www.postel.org/sigcomm [Molinero-Fernandez 2002] P. Molinaro-Fernandez, N. McKeown, H. Zhang, "Is IP Going to Take Over the World (of Communications)?" Proc. 2002 ACM Hotnets. [Molle 1987] M. L. Molle, K. Sohraby, A. N. Venetsanopoulos, "Space-Time Models of Asynchronous CSMA Protocols for Local Area Networks," IEEE Journal on Selected Areas in Communications, Vol. 5, No. 6 (1987), pp. 956-968. [Moore 2001] D. Moore, G. Voelker, S. Savage, "Inferring Internet Denial of Service Activity," Proc. 2001 USENIX Security Symposium (Washington, DC, Aug. 2001). [Motorola 2007] Motorola, "Long Term Evolution (LTE): A Technical Overview," http://www.motorola.com/staticfiles/Business/Solutions/Industry%20Solutions/Service%20Pr

oviders/Wireless%20Operators/LTE/_Document/Static%20Files/6834_MotDoc_New.pdf

[Mouly 1992] M. Mouly, M. Pautet, The GSM System for Mobile Communications, Cell and Sys, Palaiseau, France, 1992. [Moy 1998] J. Moy, OSPF: Anatomy of An Internet Routing Protocol, Addison-Wesley, Reading, MA, 1998. [Mukherjee 1997] B. Mukherjee, Optical Communication Networks, McGraw-Hill, 1997. [Mukherjee 2006] B. Mukherjee, Optical WDM Networks, Springer, 2006. [Mysore 2009] R. N. Mysore, A. Pamboris, N. Farrington, N. Huang, P. Miri, S. Radhakrishnan, V. Subramanya, A. Vahdat, "PortLand: A Scalable Fault-Tolerant Layer 2 Data Center Network Fabric," Proc. 2009 ACM SIGCOMM. [Nahum 2002] E. Nahum, T. Barzilai, D. Kandlur, "Performance Issues in WWW Servers," IEEE/ACM Transactions on Networking, Vol. 10, No. 1 (Feb. 2002). [Netflix Open Connect 2016] Netflix Open Connect CDN, 2016, https:// openconnect.netflix.com/ [Netflix Video 1] Designing Netflix's Content Delivery System, D. Fulllager, 2014, https://www.youtube.com/watch?v=LkLLpYdDINA [Netflix Video 2] Scaling the Netflix Global CDN, D. Temkin, 2015, https://www.youtube.com/watch?v=tbqcsHg-O o [Neumann 1997] R. Neumann, "Internet Routing Black Hole," The Risks Digest: Forum on Risks to the Public in Computers and Related Systems, Vol. 19, No. 12 (May 1997). http://catless.ncl.ac.uk/Risks/19.12.html#subj1.1 [Neville-Neil 2009] G. Neville-Neil, "Whither Sockets?" Communications of the ACM, Vol. 52, No. 6 (June 2009), pp. 51-55. [Nicholson 2006] A Nicholson, Y. Chawathe, M. Chen, B. Noble, D. Wetherall, "Improved Access Point Selection," Proc. 2006 ACM Mobisys Conference (Uppsala Sweden, 2006). [Nielsen 1997] H. F. Nielsen, J. Gettys, A. Baird-Smith, E. Prud'hommeaux, H. W. Lie, C. Lilley, "Network Performance Effects of HTTP/1.1, CSS1, and PNG," W3C Document, 1997 (also appears in Proc. 1997 ACM SIGCOM (Cannes, France, Sept 1997), pp. 155-166. [NIST 2001] National Institute of Standards and Technology, "Advanced Encryption Standard (AES)," Federal Information Processing Standards 197, Nov. 2001, http:// csrc.nist.gov/publications/fips/fips197/fips-197.pdf [NIST IPv6 2015] US National Institute of Standards and Technology, "Estimating IPv6 & DNSSEC Deployment SnapShots," http://fedv6deployment.antd.nist.gov/snapall.html [Nmap 2012] Nmap homepage, http://www.insecure.com/nmap [Nonnenmacher 1998] J. Nonnenmacher, E. Biersak, D. Towsley, "Parity-Based Loss Recovery for Reliable Multicast Transmission," IEEE/ACM Transactions on Networking, Vol. 6, No. 4 (Aug. 1998), pp. 349–361. [Nygren 2010] Erik Nygren, Ramesh K. Sitaraman, and Jennifer Sun, "The Akamai Network: A Platform for Highperformance Internet Applications," SIGOPS Oper. Syst. Rev. 44, 3 (Aug. 2010), 2-19. [ONF 2016] Open Networking Foundation, Technical Library, https://www.opennetworking.org/sdnresources/technical-library [ONOS 2016] Open Network Operating System (ONOS), "Architecture Guide," https://wiki.onosproject.org/display/ONOS/Architecture+Guide, 2016. [OpenFlow 2009] Open Network Foundation, "OpenFlow Switch Specification 1.0.0, TS-001," https://www.opennetworking.org/images/stories/downloads/sdnresources/onfspecifications/openflow/openflow-spec-v1.0.0.pdf [OpenDaylight Lithium 2016] OpenDaylight, "Lithium," https://www.opendaylight.org/lithium [OSI 2012] International Organization for Standardization homepage, http://www.iso.org/iso/en/ISOOnline.frontpage [Osterweil 2012] E. Osterweil, D. McPherson, S. DiBenedetto, C. Papadopoulos, D. Massey, "Behavior of DNS Top Talkers," Passive and Active Measurement Conference, 2012. [Padhye 2000] J. Padhye, V. Firoiu, D. Towsley, J. Kurose, "Modeling TCP Reno Performance: A Simple Model and Its Empirical Validation," IEEE/ACM Transactions on Networking, Vol. 8 No. 2 (Apr. 2000), pp. 133-145. [Padhye 2001] J. Padhye, S. Floyd, "On Inferring TCP Behavior," Proc. 2001 ACM SIGCOMM (San Diego, CA, Aug. 2001). [Palat 2009] S. Palat, P. Godin, "The LTE Network Architecture: A Comprehensive Tutorial," in LTE—The UMTS Long Term Evolution: From Theory to Practice. Also available as a standalone Alcatel white paper. [Panda 2013] A. Panda, C. Scott, A. Ghodsi, T. Koponen, S. Shenker, "CAP for Networks," Proc. ACM HotSDN '13, pp. 91-96. [Parekh 1993] A.

Parekh, R. Gallagher, "A Generalized Processor Sharing Approach to Flow Control in Integrated Services Networks: The Single-Node Case," IEEE/ACM Transactions on Networking, Vol. 1, No. 3 (June 1993), pp. 344–357. [Partridge 1992] C. Partridge, S. Pink, "An Implementation of the Revised Internet Stream Protocol (ST-2)," Journal of Internetworking: Research and Experience, Vol. 3, No. 1 (Mar. 1992). [Partridge 1998] C. Partridge, et al. "A Fifty Gigabit per second IP Router," IEEE/ACM Transactions on Networking, Vol. 6, No. 3 (Jun. 1998), pp. 237–248. [Pathak 2010] A. Pathak, Y. A. Wang, C. Huang, A. Greenberg, Y. C. Hu, J. Li, K. W. Ross, "Measuring and Evaluating TCP Splitting for Cloud Services," Passive and Active Measurement (PAM) Conference (Zurich, 2010). [Perkins 1994] A. Perkins, "Networking with Bob Metcalfe," The Red Herring Magazine (Nov. 1994). [Perkins 1998] C. Perkins, O. Hodson, V. Hardman, "A Survey of Packet Loss Recovery Techniques for Streaming Audio," IEEE Network Magazine (Sept./Oct. 1998), pp. 40-47. [Perkins 1998b] C. Perkins, Mobile IP: Design Principles and Practice, Addison-Wesley, Reading, MA, 1998. [Perkins 2000] C. Perkins, Ad Hoc Networking, Addison-Wesley, Reading, MA, 2000. [Perlman 1999] R. Perlman, Interconnections: Bridges, Routers, Switches, and Internetworking Protocols, 2nd ed., Addison-Wesley Professional Computing Series, Reading, MA, 1999. [PGPI 2016] The International PGP homepage, http://www.pgpi.org [Phifer 2000] L. Phifer, "The Trouble with NAT," The Internet Protocol Journal, Vol. 3, No. 4 (Dec. 2000), http://www.cisco.com/warp/public/759/ipj_3-4/ipj_3-4_nat.html [Piatek 2007] M. Piatek, T. Isdal, T. Anderson, A. Krishnamurthy, A. Venkataramani, "Do Incentives Build Robustness in Bittorrent?," Proc. NSDI (2007). [Piatek 2008] M. Piatek, T. Isdal, A. Krishnamurthy, T. Anderson, "One Hop Reputations for Peer-to-peer File Sharing Workloads," Proc. NSDI (2008). [Pickholtz 1982] R. Pickholtz, D. Schilling, L. Milstein, "Theory of Spread Spectrum Communication—a Tutorial," IEEE Transactions on Communications, Vol. 30, No. 5 (May 1982), pp. 855–884. [PingPlotter 2016] PingPlotter homepage, http://www.pingplotter.com [Piscatello 1993] D. Piscatello, A. Lyman Chapin, Open Systems Networking, Addison-Wesley, Reading, MA, 1993. [Pomeranz 2010] H. Pomeranz, "Practical, Visual, Three-Dimensional Pedagogy for Internet Protocol Packet Header Control Fields," https://righteousit.wordpress.com/ 2010/06/27/practical-visual-three-dimensional-pedagogyfor-internet-protocol-packet-header-control-fields/, June 2010. [Potaroo 2016] "Growth of the BGP Table-1994 to Present," http://bgp.potaroo.net/[PPLive 2012] PPLive homepage, http://www.pplive.com [Qazi 2013] Z. Qazi, C. Tu, L. Chiang, R. Miao, V. Sekar, M. Yu, "SIMPLEfying Middlebox Policy Enforcement Using SDN," ACM SIGCOMM Conference (Aug. 2013), pp. 27-38. [Quagga 2012] Quagga, "Quagga Routing Suite," http://www.quagga.net/ [Quittner 1998] J. Quittner, M. Slatalla, Speeding the Net: The Inside Story of Netscape and How It Challenged Microsoft, Atlantic Monthly Press, 1998. [Quova 2016] www.quova.com [Ramakrishnan 1990] K. K. Ramakrishnan, R. Jain, "A Binary Feedback Scheme for Congestion Avoidance in Computer Networks," ACM Transactions on Computer Systems, Vol. 8, No. 2 (May 1990), pp. 158–181. [Raman 1999] S. Raman, S. McCanne, "A Model, Analysis, and Protocol Framework for Soft State-based Communication," Proc. 1999 ACM SIGCOMM (Boston, MA, Aug. 1999). [Raman 2007] B. Raman, K. Chebrolu, "Experiences in Using WiFi for Rural Internet in India," IEEE Communications Magazine, Special Issue on New Directions in Networking Technologies in Emerging Economies (Jan. 2007). [Ramaswami 2010] R. Ramaswami, K. Sivarajan, G. Sasaki, Optical Networks: A Practical Perspective, Morgan Kaufman Publishers, 2010. [Ramjee 1994] R. Ramjee, J. Kurose, D. Towsley, H. Schulzrinne, "Adaptive Playout Mechanisms for Packetized Audio Applications in Wide-Area Networks," Proc. 1994 IEEE INFOCOM. [Rao 2011] A. S. Rao, Y. S. Lim, C. Barakat, A. Legout, D. Towsley, W. Dabbous, "Network Characteristics of Video Streaming Traffic," Proc. 2011 ACM CoNEXT (Tokyo). [Ren 2006] S. Ren, L. Guo, X. Zhang, "ASAP: An AS-Aware Peer-Relay Protocol for High Quality VoIP,"

Proc. 2006 IEEE ICDCS (Lisboa, Portugal, July 2006). [Rescorla 2001] E. Rescorla, SSL and TLS: Designing and Building Secure Systems, Addison-Wesley, Boston, 2001. [RFC 001] S. Crocker, "Host Software," RFC 001 (the very first RFC!). [RFC 768] J. Postel, "User Datagram Protocol," RFC 768, Aug. 1980. [RFC 791] J. Postel, "Internet Protocol: DARPA Internet Program Protocol Specification," RFC 791, Sept. 1981. [RFC 792] J. Postel, "Internet Control Message Protocol," RFC 792, Sept. 1981. [RFC 793] J. Postel, "Transmission Control Protocol," RFC 793, Sept. 1981. [RFC 801] J. Postel, "NCP/TCP Transition Plan," RFC 801, Nov. 1981. [RFC 826] D. C. Plummer, "An Ethernet Address Resolution Protocol—or— Converting Network Protocol Addresses to 48-bit Ethernet Address for Transmission on Ethernet Hardware," RFC 826, Nov. 1982. [RFC 829] V. Cerf, "Packet Satellite Technology Reference Sources," RFC 829, Nov. 1982. [RFC 854] J. Postel, J. Reynolds, "TELNET Protocol Specification," RFC 854, May 1993. [RFC 950] J. Mogul, J. Postel, "Internet Standard Subnetting Procedure," RFC 950, Aug. 1985. [RFC 959] J. Postel and J. Reynolds, "File Transfer Protocol (FTP)," RFC 959, Oct. 1985. [RFC 1034] P. V. Mockapetris, "Domain Names—Concepts and Facilities," RFC 1034, Nov. 1987. [RFC 1035] P. Mockapetris, "Domain Names—Implementation and Specification," RFC 1035, Nov. 1987. [RFC 1058] C. L. Hendrick, "Routing Information Protocol," RFC 1058, June 1988. [RFC 1071] R. Braden, D. Borman, and C. Partridge, "Computing the Internet Checksum," RFC 1071, Sept. 1988. [RFC 1122] R. Braden, "Requirements for Internet Hosts—Communication Layers," RFC 1122, Oct. 1989. [RFC 1123] R. Braden, ed., "Requirements for Internet Hosts—Application and Support," RFC-1123, Oct. 1989. [RFC 1142] D. Oran, "OSI IS-IS Intra-Domain Routing Protocol," RFC 1142, Feb. 1990. [RFC 1190] C. Topolcic, "Experimental Internet Stream Protocol: Version 2 (ST-II)," RFC 1190, Oct. 1990. [RFC 1256] S. Deering, "ICMP Router Discovery Messages," RFC 1256, Sept. 1991. [RFC 1320] R. Rivest, "The MD4 Message-Digest Algorithm," RFC 1320, Apr. 1992. [RFC 1321] R. Rivest, "The MD5 Message-Digest Algorithm," RFC 1321, Apr. 1992. [RFC 1323] V. Jacobson, S. Braden, D. Borman, "TCP Extensions for High Performance," RFC 1323, May 1992. [RFC 1422] S. Kent, "Privacy Enhancement for Internet Electronic Mail: Part II: Certificate-Based Key Management," RFC 1422. [RFC 1546] C. Partridge, T. Mendez, W. Milliken, "Host Anycasting Service," RFC 1546, 1993. [RFC 1584] J. Moy, "Multicast Extensions to OSPF," RFC 1584, Mar. 1994. [RFC 1633] R. Braden, D. Clark, S. Shenker, "Integrated Services in the Internet Architecture: an Overview," RFC 1633, June 1994. [RFC 1636] R. Braden, D. Clark, S. Crocker, C. Huitema, "Report of IAB Workshop on Security in the Internet Architecture," RFC 1636, Nov. 1994. [RFC 1700] J. Reynolds, J. Postel, "Assigned Numbers," RFC 1700, Oct. 1994. [RFC 1752] S. Bradner, A. Mankin, "The Recommendations for the IP Next Generation Protocol," RFC 1752, Jan. 1995. [RFC 1918] Y. Rekhter, B. Moskowitz, D. Karrenberg, G. J. de Groot, E. Lear, "Address Allocation for Private Internets," RFC 1918, Feb. 1996. [RFC 1930] J. Hawkinson, T. Bates, "Guidelines for Creation, Selection, and Registration of an Autonomous System (AS)," RFC 1930, Mar. 1996. [RFC 1939] J. Myers, M. Rose, "Post Office Protocol—Version 3," RFC 1939, May 1996. [RFC 1945] T. Berners-Lee, R. Fielding, H. Frystyk, "Hypertext Transfer Protocol—HTTP/1.0," RFC 1945, May 1996. [RFC 2003] C. Perkins, "IP Encapsulation Within IP," RFC 2003, Oct. 1996. [RFC 2004] C. Perkins, "Minimal Encapsulation Within IP," RFC 2004, Oct. 1996. [RFC 2018] M. Mathis, J. Mahdavi, S. Floyd, A. Romanow, "TCP Selective Acknowledgment Options," RFC 2018, Oct. 1996. [RFC 2131] R. Droms, "Dynamic Host Configuration Protocol," RFC 2131, Mar. 1997. [RFC 2136] P. Vixie, S. Thomson, Y. Rekhter, J. Bound, "Dynamic Updates in the Domain Name System," RFC 2136, Apr. 1997. [RFC 2205] R. Braden, Ed., L. Zhang, S. Berson, S. Herzog, S. Jamin, "Resource ReSerVation Protocol (RSVP)—Version 1 Functional Specification," RFC 2205, Sept. 1997. [RFC 2210] J. Wrocławski, "The Use of RSVP with IETF Integrated Services," RFC 2210, Sept. 1997. [RFC 2211] J. Wrocławski, "Specification of the Controlled-Load Network Element Service,"

RFC 2211, Sept. 1997. [RFC 2215] S. Shenker, J. Wroclawski, "General Characterization Parameters for Integrated Service Network Elements," RFC 2215, Sept. 1997. [RFC 2326] H. Schulzrinne, A. Rao, R. Lanphier, "Real Time Streaming Protocol (RTSP)," RFC 2326, Apr. 1998. [RFC 2328] J. Moy, "OSPF Version 2," RFC 2328, Apr. 1998. [RFC 2420] H. Kummert, "The PPP Triple-DES Encryption Protocol (3DESE)," RFC 2420, Sept. 1998. [RFC 2453] G. Malkin, "RIP Version 2," RFC 2453, Nov. 1998. [RFC 2460] S. Deering, R. Hinden, "Internet Protocol, Version 6 (IPv6) Specification," RFC 2460, Dec. 1998. [RFC 2475] S. Blake, D. Black, M. Carlson, E. Davies, Z. Wang, W. Weiss, "An Architecture for Differentiated Services," RFC 2475, Dec. 1998. [RFC 2578] K. McCloghrie, D. Perkins, J. Schoenwaelder, "Structure of Management Information Version 2 (SMIv2)," RFC 2578, Apr. 1999. [RFC 2579] K. McCloghrie, D. Perkins, J. Schoenwaelder, "Textual Conventions for SMIv2," RFC 2579, Apr. 1999. [RFC 2580] K. McCloghrie, D. Perkins, J. Schoenwaelder, "Conformance Statements for SMIv2," RFC 2580, Apr. 1999. [RFC 2597] J. Heinanen, F. Baker, W. Weiss, J. Wroclawski, "Assured Forwarding PHB Group," RFC 2597, June 1999. [RFC 2616] R. Fielding, J. Gettys, J. Mogul, H. Frystyk, L. Masinter, P. Leach, T. Berners-Lee, R. Fielding, "Hypertext Transfer Protocol—HTTP/1.1," RFC 2616, June 1999. [RFC 2663] P. Srisuresh, M. Holdrege, "IP Network Address Translator (NAT) Terminology and Considerations," RFC 2663. [RFC 2702] D. Awduche, J. Malcolm, J. Agogbua, M. O'Dell, J. McManus, "Requirements for Traffic Engineering Over MPLS," RFC 2702, Sept. 1999. [RFC 2827] P. Ferguson, D. Senie, "Network Ingress Filtering: Defeating Denial of Service Attacks which Employ IP Source Address Spoofing," RFC 2827, May 2000. [RFC 2865] C. Rigney, S. Willens, A. Rubens, W. Simpson, "Remote Authentication Dial In User Service (RADIUS)," RFC 2865, June 2000. [RFC 3007] B. Wellington, "Secure Domain Name System (DNS) Dynamic Update," RFC 3007, Nov. 2000. [RFC 3022] P. Srisuresh, K. Egevang, "Traditional IP Network Address Translator (Traditional NAT)," RFC 3022, Jan. 2001. [RFC 3022] P. Srisuresh, K. Egevang, "Traditional IP Network Address Translator (Traditional NAT)," RFC 3022, Jan. 2001. [RFC 3031] E. Rosen, A. Viswanathan, R. Callon, "Multiprotocol Label Switching Architecture," RFC 3031, Jan. 2001. [RFC 3032] E. Rosen, D. Tappan, G. Fedorkow, Y. Rekhter, D. Farinacci, T. Li, A. Conta, "MPLS Label Stack Encoding," RFC 3032, Jan. 2001. [RFC 3168] K. Ramakrishnan, S. Floyd, D. Black, "The Addition of Explicit Congestion Notification (ECN) to IP," RFC 3168, Sept. 2001. [RFC 3209] D. Awduche, L. Berger, D. Gan, T. Li, V. Srinivasan, G. Swallow, "RSVP-TE: Extensions to RSVP for LSP Tunnels," RFC 3209, Dec. 2001. [RFC 3221] G. Huston, "Commentary on Inter-Domain Routing in the Internet," RFC 3221, Dec. 2001. [RFC 3232] J. Reynolds, "Assigned Numbers: RFC 1700 Is Replaced by an On-line Database," RFC 3232, Jan. 2002. [RFC 3234] B. Carpenter, S. Brim, "Middleboxes: Taxonomy and Issues," RFC 3234, Feb. 2002. [RFC 3246] B. Davie, A. Charny, J.C.R. Bennet, K. Benson, J.Y. Le Boudec, W. Courtney, S. Davari, V. Firoiu, D. Stiliadis, "An Expedited Forwarding PHB (Per-Hop Behavior)," RFC 3246, Mar. 2002. [RFC 3260] D. Grossman, "New Terminology and Clarifications for Diffserv," RFC 3260, Apr. 2002. [RFC 3261] J. Rosenberg, H. Schulzrinne, G. Carmarillo, A. Johnston, J. Peterson, R. Sparks, M. Handley, E. Schooler, "SIP: Session Initiation Protocol," RFC 3261, July 2002. [RFC 3272] J. Boyle, V. Gill, A. Hannan, D. Cooper, D. Awduche, B. Christian, W. S. Lai, "Overview and Principles of Internet Traffic Engineering," RFC 3272, May 2002. [RFC 3286] L. Ong, J. Yoakum, "An Introduction to the Stream Control Transmission Protocol (SCTP)," RFC 3286, May 2002. [RFC 3346] J. Boyle, V. Gill, A. Hannan, D. Cooper, D. Awduche, B. Christian, W. S. Lai, "Applicability Statement for Traffic Engineering with MPLS," RFC 3346, Aug. 2002. [RFC 3390] M. Allman, S. Floyd, C. Partridge, "Increasing TCP's Initial Window," RFC 3390, Oct. 2002. [RFC 3410] J. Case, R. Mundy, D. Partain, "Introduction and Applicability Statements for Internet Standard Management Framework," RFC 3410, Dec. 2002. [RFC 3414] U. Blumenthal and B. Wijnen, "User-based Security Model (USM) for Version 3 of the Simple Network

Management Protocol (SNMPv3)," RFC 3414, Dec. 2002. [RFC 3416] R. Presuhn, J. Case, K. McCloghrie, M. Rose, S. Waldbusser, "Version 2 of the Protocol Operations for the Simple Network Management Protocol (SNMP)," Dec. 2002. [RFC 3439] R. Bush, D. Meyer, "Some Internet Architectural Guidelines and Philosophy," RFC 3439, Dec. 2003. [RFC 3447] J. Jonsson, B. Kaliski, "Public-Key Cryptography Standards (PKCS) #1: RSA Cryptography Specifications Version 2.1," RFC 3447, Feb. 2003. [RFC 3468] L. Andersson, G. Swallow, "The Multiprotocol Label Switching (MPLS) Working Group Decision on MPLS Signaling Protocols," RFC 3468, Feb. 2003. [RFC 3469] V. Sharma, Ed., F. Hellstrand, Ed, "Framework for Multi-Protocol Label Switching (MPLS)-based Recovery," RFC 3469, Feb. 2003. ftp://ftp.rfceditor.org/innotes/rfc3469.txt [RFC 3501] M. Crispin, "Internet Message Access Protocol— Version 4rev1," RFC 3501, Mar. 2003. [RFC 3550] H. Schulzrinne, S. Casner, R. Frederick, V. Jacobson, "RTP: A Transport Protocol for Real-Time Applications," RFC 3550, July 2003. [RFC 3588] P. Calhoun, J. Loughney, E. Guttman, G. Zorn, J. Arkko, "Diameter Base Protocol," RFC 3588, Sept. 2003. [RFC 3649] S. Floyd, "HighSpeed TCP for Large Congestion Windows," RFC 3649, Dec. 2003. [RFC 3746] L. Yang, R. Dantu, T. Anderson, R. Gopal, "Forwarding and Control Element Separation (ForCES) Framework," Internet, RFC 3746, Apr. 2004. [RFC 3748] B. Aboba, L. Blunk, J. Vollbrecht, J. Carlson, H. Levkowetz, Ed., "Extensible Authentication Protocol (EAP)," RFC 3748, June 2004. [RFC 3782] S. Floyd, T. Henderson, A. Gurtov, "The NewReno Modification to TCP's Fast Recovery Algorithm," RFC 3782, Apr. 2004. [RFC 4213] E. Nordmark, R. Gilligan, "Basic Transition Mechanisms for IPv6 Hosts and Routers," RFC 4213, Oct. 2005. [RFC 4271] Y. Rekhter, T. Li, S. Hares, Ed., "A Border Gateway Protocol 4 (BGP-4)," RFC 4271, Jan. 2006. [RFC 4272] S. Murphy, "BGP Security Vulnerabilities Analysis," RFC 4274, Jan. 2006. [RFC 4291] R. Hinden, S. Deering, "IP Version 6 Addressing Architecture," RFC 4291, Feb. 2006. [RFC 4340] E. Kohler, M. Handley, S. Floyd, "Datagram Congestion Control Protocol (DCCP)," RFC 4340, Mar. 2006. [RFC 4443] A. Conta, S. Deering, M. Gupta, Ed., "Internet Control Message Protocol (ICMPv6) for the Internet Protocol Version 6 (IPv6) Specification," RFC 4443, Mar. 2006. [RFC 4346] T. Dierks, E. Rescorla, "The Transport Layer Security (TLS) Protocol Version 1.1," RFC 4346, Apr. 2006. [RFC 4514] K. Zeilenga, Ed., "Lightweight Directory Access Protocol (LDAP): String Representation of Distinguished Names," RFC 4514, June 2006. [RFC 4601] B. Fenner, M. Handley, H. Holbrook, I. Kouvelas, "Protocol Independent Multicast— Sparse Mode (PIM-SM): Protocol Specification (Revised)," RFC 4601, Aug. 2006. [RFC 4632] V. Fuller, T. Li, "Classless Inter-domain Routing (CIDR): The Internet Address Assignment and Aggregation Plan," RFC 4632, Aug. 2006. [RFC 4960] R. Stewart, ed., "Stream Control Transmission Protocol," RFC 4960, Sept. 2007. [RFC 4987] W. Eddy, "TCP SYN Flooding Attacks and Common Mitigations," RFC 4987, Aug. 2007. [RFC 5000] RFC editor, "Internet Official Protocol Standards," RFC 5000, May 2008. [RFC 5109] A. Li (ed.), "RTP Payload Format for Generic Forward Error Correction," RFC 5109, Dec. 2007. [RFC 5216] D. Simon, B. Aboba, R. Hurst, "The EAP-TLS Authentication Protocol," RFC 5216, Mar. 2008. [RFC 5218] D. Thaler, B. Aboba, "What Makes for a Successful Protocol?," RFC 5218, July 2008. [RFC 5321] J. Klensin, "Simple Mail Transfer Protocol," RFC 5321, Oct. 2008. [RFC 5322] P. Resnick, Ed., "Internet Message Format," RFC 5322, Oct. 2008. [RFC 5348] S. Floyd, M. Handley, J. Padhye, J. Widmer, "TCP Friendly Rate Control (TFRC): Protocol Specification," RFC 5348, Sept. 2008. [RFC 5389] J. Rosenberg, R. Mahy, P. Matthews, D. Wing, "Session Traversal Utilities for NAT (STUN)," RFC 5389, Oct. 2008. [RFC 5411] J Rosenberg, "A Hitchhiker's Guide to the Session Initiation Protocol (SIP)," RFC 5411, Feb. 2009. [RFC 5681] M. Allman, V. Paxson, E. Blanton, "TCP Congestion Control," RFC 5681, Sept. 2009. [RFC 5944] C. Perkins, Ed., "IP Mobility Support for IPv4, Revised," RFC 5944, Nov. 2010. [RFC 6265] A Barth, "HTTP State Management Mechanism," RFC 6265, Apr. 2011. [RFC 6298] V. Paxson, M. Allman, J. Chu, M. Sargent,

```
"Computing TCP's Retransmission Timer," RFC 6298, June 2011. [RFC 7020] R. Housley, J.
Curran, G. Huston, D. Conrad, "The Internet Numbers Registry System," RFC 7020, Aug. 2013.
[RFC 7094] D. McPherson, D. Oran, D. Thaler, E. Osterweil, "Architectural Considerations of IP
Anycast," RFC 7094, Jan. 2014. [RFC 7323] D. Borman, R. Braden, V. Jacobson, R.
Scheffenegger (ed.), "TCP Extensions for High Performance," RFC 7323, Sept. 2014. [RFC 7540]
M. Belshe, R. Peon, M. Thomson (Eds), "Hypertext Transfer Protocol Version 2 (HTTP/2)," RFC
7540, May 2015. [Richter 2015] P. Richter, M. Allman, R. Bush, V. Paxson, "A Primer on IPv4
Scarcity," ACM SIGCOMM Computer Communication Review, Vol. 45, No. 2 (Apr. 2015), pp.
21–32. [Roberts 1967] L. Roberts, T. Merril, "Toward a Cooperative Network of Time-Shared
Computers," AFIPS Fall Conference (Oct. 1966). [Rodriguez 2010] R. Rodrigues, P. Druschel,
"Peer-to-Peer Systems," Communications of the ACM, Vol. 53, No. 10 (Oct. 2010), pp. 72-82.
[Rohde 2008] Rohde, Schwarz, "UMTS Long Term Evolution (LTE) Technology Introduction,"
Application Note 1MA111. [Rom 1990] R. Rom, M. Sidi, Multiple Access Protocols: Performance
and Analysis, Springer-Verlag, New York, 1990. [Root Servers 2016] Root Servers home page,
http://www.root-servers.org/ [RSA 1978] R. Rivest, A. Shamir, L. Adelman, "A Method for
Obtaining Digital Signatures and Public-key Cryptosystems," Communications of the ACM, Vol.
21, No. 2 (Feb. 1978), pp. 120-126. [RSA Fast 2012] RSA Laboratories, "How Fast Is RSA?"
http://www.rsa.com/rsalabs/node.asp?id=2215 [RSA Key 2012] RSA Laboratories, "How Large
a Key Should Be Used in the RSA Crypto System?"
http://www.rsa.com/rsalabs/node.asp?id=2218 [Rubenstein 1998] D. Rubenstein, J. Kurose, D.
Towsley, "Real-Time Reliable Multicast Using Proactive Forward Error Correction," Proceedings
of NOSSDAV '98 (Cambridge, UK, July 1998). [Ruiz-Sanchez 2001] M. Ruiz-Sánchez, E. Biersack,
W. Dabbous, "Survey and Taxonomy of IP Address Lookup Algorithms," IEEE Network
Magazine, Vol. 15, No. 2 (Mar./Apr. 2001), pp. 8-23. [Saltzer 1984] J. Saltzer, D. Reed, D. Clark,
"End-to-End Arguments in System Design," ACM Transactions on Computer Systems (TOCS),
Vol. 2, No. 4 (Nov. 1984). [Sandvine 2015] "Global Internet Phenomena Report, Spring 2011,"
http://www.sandvine.com/news/globalbroadbandtrends.asp, 2011. [Sardar 2006] B. Sardar, D.
Saha, "A Survey of TCP Enhancements for Last-Hop Wireless Networks," IEEE Commun.
Surveys and Tutorials, Vol. 8, No. 3 (2006), pp. 20–34. [Saroiu 2002] S. Saroiu, P. K. Gummadi, S.
D. Gribble, "A Measurement Study of Peer-to-Peer File Sharing Systems," Proc. of Multimedia
Computing and Networking (MMCN) (2002). [Sauter 2014] M. Sauter, From GSM to LTE-
Advanced, John Wiley and Sons, 2014. [Savage 2015] D. Savage, J. Ng, S. Moore, D. Slice, P.
Paluch, R. White, "Enhanced Interior Gateway Routing Protocol," Internet Draft, draft-savage-
eigrp-04.txt, Aug. 2015. [Saydam 1996] T. Saydam, T. Magedanz, "From Networks and Network
Management into Service and Service Management," Journal of Networks and System
Management, Vol. 4, No. 4 (Dec. 1996), pp. 345-348. [Schiller 2003] J. Schiller, Mobile
Communications 2nd edition, Addison Wesley, 2003. [Schneier 1995] B. Schneier, Applied
Cryptography: Protocols, Algorithms, and Source Code in C, John Wiley and Sons, 1995.
[Schulzrinne-RTP 2012] Henning Schulzrinne's RTP site, http://www.cs.columbia .edu/~hgs/rtp
[Schulzrinne-SIP 2016] Henning Schulzrinne's SIP site, http://www.cs.columbia.edu/~hgs/sip
[Schwartz 1977] M. Schwartz, Computer-Communication Network Design and Analysis,
Prentice-Hall, Englewood Cliffs, NJ, 1997. [Schwartz 1980] M. Schwartz, Information,
Transmission, Modulation, and Noise, McGraw Hill, New York, NY 1980. [Schwartz 1982] M.
Schwartz, "Performance Analysis of the SNA Virtual Route Pacing Control," IEEE Transactions
on Communications, Vol. 30, No. 1 (Jan. 1982), pp. 172-184. [Scourias 2012] J. Scourias,
"Overview of the Global System for Mobile Communications: GSM."
http://www.privateline.com/PCS/GSM0.html [SDNHub 2016] SDNHub, "App Development
Tutorials," http://sdnhub.org/tutorials/[Segaller 1998] S. Segaller, Nerds 2.0.1, A Brief History
```

of the Internet, TV Books, New York, 1998. [Sekar 2011] V. Sekar, S. Ratnasamy, M. Reiter, N. Egi, G. Shi, "The Middlebox Manifesto: Enabling Innovation in Middlebox Deployment," Proc. 10th ACM Workshop on Hot Topics in Networks (HotNets), Article 21, 6 pages. [Serpanos 2011] D. Serpanos, T. Wolf, Architecture of Network Systems, Morgan Kaufmann Publishers, 2011. [Shacham 1990] N. Shacham, P. McKenney, "Packet Recovery in High-Speed Networks Using Coding and Buffer Management," Proc. 1990 IEEE INFOCOM (San Francisco, CA, Apr. 1990), pp. 124–131. [Shaikh 2001] A. Shaikh, R. Tewari, M. Agrawal, "On the Effectiveness of DNSbased Server Selection," Proc. 2001 IEEE INFOCOM. [Singh 1999] S. Singh, The Code Book: The Evolution of Secrecy from Mary, Queen of Scotsto Quantum Cryptography, Doubleday Press, 1999. [Singh 2015] A. Singh, J. Ong,. Agarwal, G. Anderson, A. Armistead, R. Banno, S. Boving, G. Desai, B. Felderman, P. Germano, A. Kanagala, J. Provost, J. Simmons, E. Tanda, J. Wanderer, U. Hölzle, S. Stuart, A. Vahdat, "Jupiter Rising: A Decade of Clos Topologies and Centralized Control in Google's Datacenter Network," Sigcomm, 2015. [SIP Software 2016] H. Schulzrinne Software Package site, http://www.cs.columbia.edu/IRT/software [Skoudis 2004] E. Skoudis, L. Zeltser, Malware: Fighting Malicious Code, Prentice Hall, 2004. [Skoudis 2006] E. Skoudis, T. Liston, Counter Hack Reloaded: A Step-by-Step Guide to Computer Attacks and Effective Defenses (2nd Edition), Prentice Hall, 2006. [Smith 2009] J. Smith, "Fighting Physics: A Tough Battle," Communications of the ACM, Vol. 52, No. 7 (July 2009), pp. 60–65. [Snort 2012] Sourcefire Inc., Snort homepage, http://http://www.snort.org/ [Solensky 1996] F. Solensky, "IPv4 Address Lifetime Expectations," in IPng: Internet Protocol Next Generation (S. Bradner, A. Mankin, ed.), Addison-Wesley, Reading, MA, 1996. [Spragins 1991] J. D. Spragins, Telecommunications Protocols and Design, Addison-Wesley, Reading, MA, 1991. [Srikant 2004] R. Srikant, The Mathematics of Internet Congestion Control, Birkhauser, 2004 [Steinder 2002] M. Steinder, A. Sethi, "Increasing Robustness of Fault Localization Through Analysis of Lost, Spurious, and Positive Symptoms," Proc. 2002 IEEE INFOCOM. [Stevens 1990] W. R. Stevens, Unix Network Programming, Prentice-Hall, Englewood Cliffs, NJ. [Stevens 1994] W. R. Stevens, TCP/IP Illustrated, Vol. 1: The Protocols, Addison-Wesley, Reading, MA, 1994. [Stevens 1997] W.R. Stevens, Unix Network Programming, Volume 1: Networking APIs-Sockets and XTI, 2nd edition, Prentice-Hall, Englewood Cliffs, NJ, 1997. [Stewart 1999] J. Stewart, BGP4: Interdomain Routing in the Internet, Addison-Wesley, 1999. [Stone 1998] J. Stone, M. Greenwald, C. Partridge, J. Hughes, "Performance of Checksums and CRC's Over Real Data," IEEE/ACM Transactions on Networking, Vol. 6, No. 5 (Oct. 1998), pp. 529–543. [Stone 2000] J. Stone, C. Partridge, "When Reality and the Checksum Disagree," Proc. 2000 ACM SIGCOMM (Stockholm, Sweden, Aug. 2000). [Strayer 1992] W. T. Strayer, B. Dempsey, A. Weaver, XTP: The Xpress Transfer Protocol, Addison-Wesley, Reading, MA, 1992. [Stubblefield 2002] A. Stubblefield, J. Ioannidis, A. Rubin, "Using the Fluhrer, Mantin, and Shamir Attack to Break WEP," Proceedings of 2002 Network and Distributed Systems Security Symposium (2002), pp. 17–22. [Subramanian 2000] M. Subramanian, Network Management: Principles and Practice, Addison-Wesley, Reading, MA, 2000. [Subramanian 2002] L. Subramanian, S. Agarwal, J. Rexford, R. Katz, "Characterizing the Internet Hierarchy from Multiple Vantage Points," Proc. 2002 IEEE INFOCOM. [Sundaresan 2006] K.Sundaresan, K. Papagiannaki, "The Need for Cross-layer Information in Access Point Selection," Proc. 2006 ACM Internet Measurement Conference (Rio De Janeiro, Oct. 2006). [Suh 2006] K. Suh, D. R. Figueiredo, J. Kurose and D. Towsley, "Characterizing and Detecting Relayed Traffic: A Case Study Using Skype," Proc. 2006 IEEE INFOCOM (Barcelona, Spain, Apr. 2006). [Sunshine 1978] C. Sunshine, Y. Dalal, "Connection Management in Transport Protocols," Computer Networks, North-Holland, Amsterdam, 1978. [Tariq 2008] M. Tariq, A. Zeitoun, V. Valancius, N. Feamster, M. Ammar, "Answering What-If Deployment and Configuration Questions with WISE," Proc. 2008 ACM SIGCOMM (Aug. 2008).

[TechnOnLine 2012] TechOnLine, "Protected Wireless Networks," online webcast tutorial, http://www.techonline.com/community/tech_topic/internet/21752 [Teixeira 2006] R. Teixeira, J. Rexford, "Managing Routing Disruptions in Internet Service Provider Networks," IEEE Communications Magazine (Mar. 2006). [Think 2012] Technical History of Network Protocols, "Cyclades," http://www.cs.utexas.edu/users/chris/think/Cyclades/index.shtml [Tian 2012] Y. Tian, R. Dey, Y. Liu, K. W. Ross, "China's Internet: Topology Mapping and Geolocating," IEEE INFOCOM Mini-Conference 2012 (Orlando, FL, 2012). [TLD list 2016] TLD list maintained by Wikipedia, https://en.wikipedia.org/wiki/List_of_Internet_top-level_domains [Tobagi 1990] F. Tobagi, "Fast Packet Switch Architectures for Broadband Integrated Networks," Proc. 1990 IEEE INFOCOM, Vol. 78, No. 1 (Jan. 1990), pp. 133-167. [TOR 2016] Tor: Anonymity Online, http://www.torproject.org [Torres 2011] R. Torres, A. Finamore, J. R. Kim, M. M. Munafo, S. Rao, "Dissecting Video Server Selection Strategies in the YouTube CDN," Proc. 2011 Int. Conf. on Distributed Computing Systems. [Tourrilhes 2014] J. Tourrilhes, P. Sharma, S. Banerjee, J. Petit, "SDN and Openflow Evolution: A Standards Perspective," IEEE Computer Magazine, Nov. 2014, pp. 22–29. [Turner 1988] J. S. Turner, "Design of a Broadcast packet switching network," IEEE Transactions on Communications, Vol. 36, No. 6 (June 1988), pp. 734–743. [Turner 2012] B. Turner, "2G, 3G, 4G Wireless Tutorial," http://blogs.nmscommunications.com/communications/2008/10/2g-3g-4g-wirelesstutorial.html [UPnP Forum 2016] UPnP Forum homepage, http://www.upnp.org/ [van der Berg 2008] R. van der Berg, "How the 'Net Works: An Introduction to Peering and Transit," http://arstechnica.com/guides/other/peering-and-transit.ars [van der Merwe 1998] J. van der Merwe, S. Rooney, I. Leslie, S. Crosby, "The Tempest: A Practical Framework for Network Programmability," IEEE Network, Vol. 12, No. 3 (May 1998), pp. 20–28. [Varghese 1997] G. Varghese, A. Lauck, "Hashed and Hierarchical Timing Wheels: Efficient Data Structures for Implementing a Timer Facility," IEEE/ACM Transactions on Networking, Vol. 5, No. 6 (Dec. 1997), pp. 824–834. [Vasudevan 2012] S. Vasudevan, C. Diot, J. Kurose, D. Towsley, "Facilitating Access Point Selection in IEEE 802.11 Wireless Networks," Proc. 2005 ACM Internet Measurement Conference, (San Francisco CA, Oct. 2005). [Villamizar 1994] C. Villamizar, C. Song. "High Performance top in ansnet," ACM SIGCOMM Computer Communications Review, Vol. 24, No. 5 (1994), pp. 45–60. [Viterbi 1995] A. Viterbi, CDMA: Principles of Spread Spectrum Communication, Addison-Wesley, Reading, MA, 1995. [Vixie 2009] P. Vixie, "What DNS Is Not," Communications of the ACM, Vol. 52, No. 12 (Dec. 2009), pp. 43-47. [Wakeman 1992] I. Wakeman, J. Crowcroft, Z. Wang, D. Sirovica, "Layering Considered Harmful," IEEE Network (Jan. 1992), pp. 20–24. [Waldrop 2007] M. Waldrop, "Data Center in a Box," Scientific American (July 2007). [Wang 2004] B. Wang, J. Kurose, P. Shenoy, D. Towsley, "Multimedia Streaming via TCP: An Analytic Performance Study," Proc. 2004 ACM Multimedia Conference (New York, NY, Oct. 2004). [Wang 2008] B. Wang, J. Kurose, P. Shenoy, D. Towsley, "Multimedia Streaming via TCP: An Analytic Performance Study," ACM Transactions on Multimedia Computing Communications and Applications (TOMCCAP), Vol. 4, No. 2 (Apr. 2008), p. 16. 1–22. [Wang 2010] G. Wang, D. G. Andersen, M. Kaminsky, K. Papagiannaki, T. S. E. Ng, M. Kozuch, M. Ryan, "c-Through: Part-time Optics in Data Centers," Proc. 2010 ACM SIGCOMM. [Wei 2006] W. Wei, C. Zhang, H. Zang, J. Kurose, D. Towsley, "Inference and Evaluation of Split-Connection Approaches in Cellular Data Networks," Proc. Active and Passive Measurement Workshop (Adelaide, Australia, Mar. 2006). [Wei 2007] D. X. Wei, C. Jin, S. H. Low, S. Hegde, "FAST TCP: Motivation, Architecture, Algorithms, Performance," IEEE/ACM Transactions on Networking (2007). [Weiser 1991] M. Weiser, "The Computer for the Twenty-First Century," Scientific American (Sept. 1991): 94-10. http://www.ubiq.com/hypertext/weiser/ SciAmDraft3.html [White 2011] A. White, K. Snow, A.

Matthews, F. Monrose, "Hookt on fon-iks: Phonotactic Reconstruction of Encrypted VolP Conversations," IEEE Symposium on Security and Privacy, Oakland, CA, 2011. [Wigle.net 2016] Wireless Geographic Logging Engine, http://www.wigle.net [Wiki Satellite 2016] Satellite Internet access, https://en.wikipedia.org/wiki/Satellite_Internet_access [Wireshark 2016] Wireshark homepage, http://www.wireshark.org [Wischik 2005] D. Wischik, N. McKeown, "Part I: Buffer Sizes for Core Routers," ACM SIGCOMM Computer Communications Review, Vol. 35, No. 3 (July 2005). [Woo 1994] T. Woo, R. Bindignavle, S. Su, S. Lam, "SNP: an interface for secure network programming," Proc. 1994 Summer USENIX (Boston, MA, June 1994), pp. 45-58. [Wright 2015] J. Wright, J. Wireless Security Secrets & Solutions, 3e, "Hacking Exposed Wireless," McGraw-Hill Education, 2015. [Wu 2005] J. Wu, Z. M. Mao, J. Rexford, J. Wang, "Finding a Needle in a Haystack: Pinpointing Significant BGP Routing Changes in an IP Network," Proc. USENIX NSDI (2005). [Xanadu 2012] Xanadu Project homepage, http://www.xanadu.com/ [Xiao 2000] X. Xiao, A. Hannan, B. Bailey, L. Ni, "Traffic Engineering with MPLS in the Internet," IEEE Network (Mar./Apr. 2000). [Xu 2004] L. Xu, K Harfoush, I. Rhee, "Binary Increase Congestion Control (BIC) for Fast Long-Distance Networks," IEEE INFOCOM 2004, pp. 2514–2524. [Yavatkar 1994] R. Yavatkar, N. Bhagwat, "Improving End-to-End Performance of TCP over Mobile Internetworks," Proc. Mobile 94 Workshop on Mobile Computing Systems and Applications (Dec. 1994). [YouTube 2009] YouTube 2009, Google container data center tour, 2009. [YouTube 2016] YouTube Statistics, 2016, https://www.youtube.com/yt/press/ statistics.html [Yu 2004] Yu, Fang, H. Katz, Tirunellai V. Lakshman. "Gigabit Rate Packet Pattern-Matching Using TCAM," Proc. 2004 Int. Conf. Network Protocols, pp. 174-183. [Yu 2011] M. Yu, J. Rexford, X. Sun, S. Rao, N. Feamster, "A Survey of VLAN Usage in Campus Networks," IEEE Communications Magazine, July 2011. [Zegura 1997] E. Zegura, K. Calvert, M. Donahoo, "A Quantitative Comparison of Graph-based Models for Internet Topology," IEEE/ACM Transactions on Networking, Vol. 5, No. 6, (Dec. 1997). See also http://www.cc.gatech.edu/projects/gtim for a software package that generates networks with a transit-stub structure. [Zhang 1993] L. Zhang, S. Deering, D. Estrin, S. Shenker, D. Zappala, "RSVP: A New Resource Reservation Protocol," IEEE Network Magazine, Vol. 7, No. 9 (Sept. 1993), pp. 8–18. [Zhang 2007] L. Zhang, "A Retrospective View of NAT," The IETF Journal, Vol. 3, Issue 2 (Oct. 2007). [Zhang 2015] G. Zhang, W. Liu, X. Hei, W. Cheng, "Unreeling Xunlei Kankan: Understanding Hybrid CDN-P2P Video-on-Demand Streaming," IEEE Transactions on Multimedia, Vol. 17, No. 2, Feb. 2015. [Zhang X 2102] X. Zhang, Y. Xu, Y. Liu, Z. Guo, Y. Wang, "Profiling Skype Video Calls: Rate Control and Video Quality," IEEE INFOCOM (Mar. 2012). [Zink 2009] M. Zink, K. Suh, Y. Gu, J. Kurose, "Characteristics of YouTube Network Traffic at a Campus Network—Measurements, Models, and Implications," Computer Networks, Vol. 53, No. 4, pp. 501–514, 2009.