



























- 9th Central & Eastern European Software Engineering Conference in Russia (CEE-SECR 2013), Moscow, Russian Federation, October 2013.
- [53] Big Switch Networks. *SDN Controller Unified Network Control Plane*. <http://www.bigswitch.com/products/SDN-Controller>.
- [54] Brocade. *Brocade SDN Controller Data Sheet*, 2016.
- [55] Cisco. *Cisco Open SDN Controller 1.2 Data Sheet*. October 2015.
- [56] HPE. *Aruba VAN SDN Controller Software Data Sheet*. 2017.
- [57] NEC. PF6800 ProgrammableFlow Controller. <https://www.necam.com/sdn/Software/SDNController>.
- [58] B. Lantz, B. Heller, and N. McKeown. *A Network in a Laptop: Rapid Prototyping for Software-Defined Networks*, in proceedings of the Ninth ACM SIGCOMM Workshop on Hot Topics in Networks (Hotnets IX), Monterey, CA, USA, October 2010.
- [59] J. Yan and D. Jin. *VT-Mininet: Virtual-time-enabled Mininet for Scalable and Accurate Software-Define Network Emulation*, in proceedings of the 1st ACM SIGCOMM Symposium on Software Defined Network Research (SOSR 2015), Santa Clara, CA, USA, June 2015.
- [60] B. Linkletter. *OFNet SDN Network Emulator*. <http://www.brianlinkletter.com/ofnet-a-new-sdn-network-emulator>.
- [61] S. Wang, C. Chou, and C. Yang. *EstiNet OpenFlow Network Simulator and Emulator*, IEEE Communications Magazine, vol. 51, no. 9, September 2013.
- [62] J. Postel. *Internet Control Message Protocol*, RFC 792, Internet Engineering Task Force, September 1981.
- [63] Cisco Systems. *Introduction to Cisco IOS NetFlow - A Technical Overview*, May 2012.
- [64] sFlow. *Traffic Monitoring using sFlow*. 2003.
- [65] A. Myers. *JFlow: Practical Mostly-Static Information Flow Control*, in proceedings of the 26th ACM Symposium on Principles of Programming Languages (POPL 1999), San Antonio, TX, USA, January 1999.
- [66] S. Chowdhury, Md. F. Bari, R. Ahmed, and R. Boutaba. *PayLess: A Low Cost Network Monitoring Framework for Software Defined Networks*, in proceedings of the 2014 IEEE Network Operations and Management Symposium (NOMS 2014), Krakow, Poland, June 2014.
- [67] A. Tootoonchian, M. Ghobadi, and Y. Ganjali. *OpenTM: Traffic Matrix Estimator for OpenFlow Networks*, in proceedings of the 11th International Conference on Passive and Active Measurement (PAM 2010), Zurich, Switzerland, April 2010.
- [68] C. Yu, C. Lumezanu, Y. Zhang, V. Singh, G. Jiang, and H. Madhyastha. *Flowsense: Monitoring Network Utilization with Zero Measurement Cost*, in proceedings of the 14th International Conference on Passive and Active Measurement (PAM 2013), Hong Kong, China, March 2013.