

7. REFERENCES

- [1] B. Ahlgren *et al.*, “A survey of information-centric networking,” *IEEE Communications Magazine*, vol. 50, no. 7, pp. 26–36, 2012.
- [2] L. Atzori *et al.*, “The internet of things: A survey,” *Computer Networks*, vol. 54, no. 15, pp. 2787–2805, 2010.
- [3] C. Bormann *et al.*, “Terminology for Constrained-Node Networks,” *RFC 7228*, 2014.
- [4] L. Mirani, “Chip-makers are Betting that Moore’s Law Won’t Matter in the Internet of Things,” 2014. [Online]. Available: <http://qz.com/218514>
- [5] J. Cordero *et al.*, “Enabling Multihop Communication in Spontaneous Wireless Networks,” in *ACM SIGCOMM eBook on “Recent Advances in Networking”, Volume 1, Chapter 9*, pp. 413–457, 2013.
- [6] ZigBee Alliance, “ZigBee Specifications,” 2012.
- [7] G. Montenegro *et al.*, “Transmission of IPv6 Packets over IEEE 802.15.4 Networks,” *RFC 4944*, 2007.
- [8] T. Winter and P. Thubert, “RPL: IPv6 Routing Protocol for Low-Power and Lossy Networks,” *RFC 6550*, 2012.
- [9] A. Ghodsi *et al.*, “Information-centric networking: Ready for the real world?” *Dagstuhl Reports (Seminar 12361)*, vol. 2, no. 9, pp. 1–14, 2012.
- [10] V. Jacobson *et al.*, “Networking named content,” in *Proc. of ACM CoNEXT*, 2009, pp. 1–12.
- [11] N. Fotiou *et al.*, “Illustrating a publish-subscribe internet architecture,” *Telecommunication Systems*, vol. 51, no. 4, pp. 233–245, 2012.
- [12] C. Dannewitz *et al.*, “Network of information (netinf): An information-centric networking architecture,” *Computer Comm.*, vol. 36, no. 7, pp. 721 – 735, 2013.
- [13] T. Koponen *et al.*, “A data-oriented (and beyond) network architecture,” *SIGCOMM Comput. Commun. Rev.*, vol. 37, no. 4, pp. 181–192, 2007.
- [14] D. Kutscher *et al.*, “ICN Research Challenges,” IRTF Internet Draft 02, 2014.
- [15] M. Hoque *et al.*, “NLSR: Named-data Link State Routing Protocol,” in *Proc. of ACM SIGCOMM WS on ICN*, 2013, pp. 15–20.
- [16] L. Wang *et al.*, “Ospf: An ospf based routing protocol for named data networking,” 2012.
- [17] J. Martocci *et al.*, “Building Automation Routing Requirements in Low-Power and Lossy Networks,” *RFC 5867*, 2010.
- [18] B. Saadallah *et al.*, “CCNx for Contiki: implementation details,” in *Tech. Report RT-0432*. INRIA, 2012.
- [19] T. Biswas *et al.*, “Contextualized information-centric home network,” in *ACM SIGCOMM*, 2013.
- [20] L. Grieco *et al.*, “Architecting information centric etsi-m2m systems,” in *Proc. of PERCOM*, 2014.
- [21] Y. Zhang *et al.*, “ICN based Architecture for IoT,” in *IETF Internet Draft*, 2013.
- [22] Y. Yu *et al.*, “Interest propagation in named data manets,” in *Proc. of IEEE ICNC*, 2013, pp. 1118–1122.
- [23] M. Amadeo *et al.*, “Named data networking: A natural design for data collection in wireless sensor networks,” in *Proc. of IEEE/IFIP Wireless Days*, 2013, pp. 1–6.
- [24] J. Francois *et al.*, “CCN Traffic Optimization for IoT,” in *Proc. of NoF*, 2013.
- [25] F. Angius *et al.*, “Bloogo: Bloom filter based gossip algorithm for wireless ndn,” in *Proc. of ACM NoM Workshop*, 2012, pp. 25–30.
- [26] J. Burke *et al.*, “Securing instrumented environments over content-centric networking: the case of lighting control,” *arXiv preprint arXiv:1208.1336*, 2012.
- [27] S. Arianfar *et al.*, “On Content-Centric Router Design and Implications,” in *Proc. of ACM ReARCH*, 2010.
- [28] D. Perino *et al.*, “A Reality Check for Content Centric Networking,” in *Proc. of ACM ICN WS*, 2011.
- [29] D. G. Murray *et al.*, “The Case for Crowd Computing,” in *Proc. of ACM MobiHeld WS*, 2010, pp. 39–44.
- [30] P. Levis *et al.*, “Overview of existing routing protocols for low power and lossy networks,” *IETF Internet Draft*, 2009.
- [31] “CCN Lite: Lightweight implementation of the Content Centric Networking protocol,” 2014. [Online]. Available: <http://ccn-lite.net>
- [32] E. Baccelli *et al.*, “RIOT OS: Towards an OS for the Internet of Things,” in *IEEE INFOCOM*, 2013.
- [33] “RIOT open source code on GitHub,” 2014. [Online]. Available: <https://github.com/RIOT-OS/RIOT>
- [34] A. Brandt, J. Buron, and G. Porcu, “Home Automation Routing Requirements in Low-Power and Lossy Networks,” IETF, RFC 5826, 2010.
- [35] Z. Fan *et al.*, “The new frontier of communications research: Smart grid and smart metering,” in *Proc. of ACM e-Energy*, 2010, pp. 115–118.
- [36] G. Wittenburg *et al.*, “Fence Monitoring - Experimental Evaluation of a Use Case for Wireless Sensor Networks,” in *Proc. of EWSN*, 2007.
- [37] M. Baar *et al.*, “The ScatterWeb MSB-A2 Platform for Wireless Sensor Networks,” FU Berlin, TR, 2008.
- [38] E. Baccelli and C. Perkins, “Multi-hop Ad Hoc Wireless Communication,” *IETF Internet Draft*, 2014.
- [39] M. Goyal *et al.*, “Reactive Discovery of Point-to-Point Routes in Low-Power and Lossy Networks,” *RFC 6997*, 2013.
- [40] C. Richard *et al.*, “Defining an Optimal Active Route Timeout for the AODV Routing Protocol,” in *Proc. of IEEE SECON*, 2005, pp. 26–29.
- [41] W. Xie *et al.*, “A Performance Analysis of Point-to-Point Routing along a Directed Acyclic Graph in Low Power and Lossy Networks,” in *Proc. of IEEE NBiS*, 2010, pp. 111–116.
- [42] M. Wählisch *et al.*, “Backscatter from the Data Plane – Threats to Stability and Security in Information-Centric Network Infrastructure,” *Computer Networks*, vol. 57, no. 16, pp. 3192–3206, 2013.
- [43] N. Choi *et al.*, “In-network caching effect on optimal energy consumption in content-centric networking,” in *Proc. of IEEE ICC*, 2012, pp. 2889–2894.
- [44] U. Lee *et al.*, “Greening the internet with content-centric networking,” in *ACM e-Energy*, 2010.
- [45] M. Isomaki *et al.*, “Transmission of IPv6 Packets over BLUETOOTH Low Energy,” *IETF Internet Draft*, 2014.
- [46] Z. Shelby *et al.*, “Constrained application protocol (coap),” *IETF Internet Draft*, 2014.