DAFTAR PUSTAKA

[1] L. Atzori, A. Iera, and G. Morabito, "The Internet of Things: A survey," *Comput. Netw.*, vol. 54, no. 15, pp. 2787–2805, Oct. 2010.

[2] P. Bellavista, G. Cardone, A. Corradi, and L. Foschini, "Convergence of MANET and WSN in IoT Urban Scenarios," *IEEE Sens. J.*, vol. 13, no. 10, pp. 3558–3567, Oct. 2013.

[3] A. Musa, D. Lee, I. Paramitha, K. Ramli, and D. Choi, "Constructing Energy Aware Home Automation within the IPv6-USN Architecture," *Int. J. Smart Home*, vol. 8, no. 5, pp. 63–86, Sep. 2014.

[4] O. Gaddour, A. Koubâa, S. Chaudhry, M. Tezeghdanti, R. Chaari, and M. Abid, "Simulation and performance evaluation of DAG construction with RPL," in *Third International Conference on Communications and Networking*, 2012, pp. 1–8.

[5] N. Pradeska, "Performance Analysis of Objective Function MRHOF and OF0 in Routing Protocol RPL IPV6 Over Low Power Wireless Personal Area Networks (6LoWPAN)," presented at the 8th International Conference on Information Technology and Electrical Engineering (ICITEE), Yogyakarta.

[6] P. Levis and T. H. Clausen, "The Trickle Algorithm." Internet Engineering Task Force (IETF).

[7] B. Djamaa and M. Richardson, "Optimizing the Trickle Algorithm," *IEEE Commun. Lett.*, vol. 19, no. 5, pp. 819–822, May 2015.

[8] B. Ghaleb, A. Al-Dubai, and E. Ekonomou, "E-Trickle: Enhanced Trickle Algorithm for Low-Power and Lossy Networks," in *2015 IEEE International Conference on Computer and Information Technology; Ubiquitous Computing and Communications; Dependable, Autonomic and Secure Computing; Pervasive Intelligence and Computing (CIT/IUCC/DASC/PICOM)*, 2015, pp. 1123–1129.

[9] H. Xie, G. Zhang, D. Su, P. Wang, and F. Zeng, "Performance evaluation of rpl routing protocol in 6lowpan," in *Software Engineering and Service Science (ICSESS), 2014 5th IEEE International Conference on*, 2014, pp. 625–628.

[10] N. T. Long, N. D. Caro, W. Colitti, A. Touhafi, and K. Steenhaut, "Comparative performance study of RPL in Wireless Sensor Networks," in *2012 19th IEEE Symposium on Communications and Vehicular Technology in the Benelux (SCVT)*, 2012, pp. 1–6.

[11] D. Benson and R. Kinicki, "A Performance Study of Rpl with Trickle Algorithm Variants - Semantic Scholar," Worcester Polytechnic Institute, United States of America, 2016.

[12] M. Banh, H. Mac, N. Nguyen, K. H. Phung, N. H. Thanh, and K. Steenhaut, "Performance evaluation of multiple RPL routing tree instances for Internet of Things applications," in *2015 International Conference on Advanced Technologies for Communications (ATC)*, 2015, pp. 206–211.

[13] K. Heurtefeux, H. Menouar, and N. AbuAli, "Experimental evaluation of a Routing Protocol for WSNs: RPL robustness under study," in *2013 IEEE 9th International Conference on Wireless and Mobile Computing, Networking and*

Communications (WiMob), 2013, pp. 491–498.

[14] N. Khelifi, W. Kammoun, and H. Youssef, "Efficiency of the RPL repair mechanisms for Low Power and Lossy Networks," in *2014 International Wireless Communications and Mobile Computing Conference (IWCMC)*, 2014, pp. 98–103.

[15] M. Qasem, H. Altawssi, M. B. Yassien, and A. Al-Dubai, "Performance Evaluation of RPL Objective Functions," in *2015 IEEE International Conference on Computer and Information Technology; Ubiquitous Computing and Communications; Dependable, Autonomic and Secure Computing; Pervasive Intelligence and Computing (CIT/IUCC/DASC/PICOM)*, 2015, pp. 1606–1613.

[16] I. Wadhaj, I. Kristof, I. Romdhani, and A. Al-Dubai, "Performance Evaluation of the RPL Protocol in Fixed and Mobile Sink Low-Power and Lossy-Networks," in *2015 IEEE International Conference on Computer and Information Technology; Ubiquitous Computing and Communications; Dependable, Autonomic and Secure Computing; Pervasive Intelligence and Computing*, 2015, pp. 1600–1605.

[17] M. Barcelo, A. Correa, J. L. Vicario, A. Morell, and X. Vilajosana, "Addressing Mobility in RPL With Position Assisted Metrics," *IEEE Sens. J.*, vol. 16, no. 7, pp. 2151–2161, Apr. 2016.

[18] I. E. Korbi, M. B. Brahim, C. Adjih, and L. A. Saidane, "Mobility Enhanced RPL for Wireless Sensor Networks," in *2012 Third International Conference on The Network of the Future (NOF)*, 2012, pp. 1–8.

[19] F. Gara, L. B. Saad, E. B. Hamida, B. Tourancheau, and R. B. Ayed, "An adaptive timer for RPL to handle mobility in wireless sensor networks," in *2016 International Wireless Communications and Mobile Computing Conference (IWCMC)*, 2016, pp. 678–683.

[20] O. Gaddour, A. Koubäa, R. Rangarajan, O. Cheikhrouhou, E. Tovar, and M. Abid, "Co-RPL: RPL routing for mobile low power wireless sensor networks using Corona mechanism," in *Proceedings of the 9th IEEE International Symposium on Industrial Embedded Systems (SIES 2014)*, 2014, pp. 200–209.

[21] C. Cobârzan, J. Montavont, and T. Noël, "Analysis and performance evaluation of RPL under mobility," in *2014 IEEE Symposium on Computers and Communications (ISCC)*, 2014, pp. 1–6.

[22] A. Yushev, P. Lehmann, A. Sikora, and V. F. Groza, "Extended performance measurements of scalable 6LoWPAN networks in an Automated Physical Testbed," in *2015 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) Proceedings*, 2015, pp. 1943–1948.

[23] T. Winter *et al.*, "RPL: IPv6 Routing Protocol for Low-Power and Lossy Networks." Internet Engineering Task Force (IETF), Mar-2012.

[24] S. Chakrabarti and Z. Shelby, *Industrial Ethernet Book*. .

[25] T. Zhang and X. Li, "Evaluating and Analyzing the Performance of RPL in Contiki," in *Proceedings of the First International Workshop on Mobile Sensing, Computing and Communication*, New York, NY, USA, 2014, pp. 19–24.

[26] T. Clausen, A. C. de Verdiere, and J. Yi, "Performance analysis of Trickle as a

flooding mechanism," in *2013 15th IEEE International Conference on Communication Technology (ICCT)*, 2013, pp. 565–572.

[27] I. M. M. E. Emary and S. Ramakrishnan, *Wireless Sensor Networks: From Theory to Applications*. CRC Press, 2013.

[28] B. Ghaleb, A. Al-Dubai, E. Ekonomou, B. Paechter, and M. Qasem, "Trickle-plus: Elastic Trickle algorithm for low-power networks and Internet of Things," in *2016 IEEE Wireless Communications and Networking Conference*, 2016, pp. 1–6.

[29] M. Ha, S. H. Kim, and D. Kim, "Intra-MARIO: A Fast Mobility Management Protocol for 6LoWPAN," *IEEE Trans. Mob. Comput.*, vol. 16, no. 1, pp. 172–184, Jan. 2017.

[30] "Project KURT3D." [Online]. Available: http://www2.inf.uos.de/kbs/KURT3D.html. [Accessed: 06-Mar-2017].

[31] N. Aschenbruck, R. Ernst, and P. Martini, "Evaluation of wireless multi-hop networks in tactical scenarios using BonnMotion," in *2010 European Wireless Conference (EW)*, 2010, pp. 810–816.

[32] W. Zhang, M. Yavari, and B. G. Nickerson, "Performance of mobile wireless sensor network communication with 6LoWPAN," in *2015 IEEE 28th Canadian Conference on Electrical and Computer Engineering (CCECE)*, 2015, pp. 1048–1053.

[33] A. W. Khan, A. H. Abdullah, M. A. Razzaque, and J. I. Bangash, "VGDRA: A Virtual Grid-Based Dynamic Routes Adjustment Scheme for Mobile Sink-Based Wireless Sensor Networks," *IEEE Sens. J.*, vol. 15, no. 1, pp. 526–534, Jan. 2015.

[34] C. Kim, H. Cho, S. Kim, T. Yang, and S. H. Kim, "Sink Mobility Support Scheme for Continuous Object Tracking in Wireless Sensor Networks," in *2016 IEEE 30th International Conference on Advanced Information Networking and Applications (AINA)*, 2016, pp. 452–457.

[35] Z. Ali Khan and M. Shakir, "Interplay of Communication and Computation Energy Consumption for Low Power Sensor Network Design | Wireless Sensor Network | Data Compression," *Int. J. Ad Hoc Sens. Ubiquitous Comput. IJASUC*, vol. Vol.3, No.4.

[36] R. Karri and D. J. Goodman, *System-Level Power Optimization for Wireless Multimedia Communication: Power Aware Computing*. Springer Science & Business Media, 2002.