REFERENCES

[1] "ITU: Measuring the Information Society Report 2016," 2016.

[2] "Cisco Visual Networking Index: Forecast and Methodology 2015-2020," 2016.

[3] T. J. Barnett, A. Sumits, S. Jain, and U. Andra, "Cisco Visual Networking Index (VNI) Update Global Mobile Data Traffic Forecast," pp. 2015–2020, 2016.

[4] C. Cox, *An Introduction to LTE*. West Sussex: John Wiley & Sons, 2014.

[5] M. E. Aydin, R. Kwan, and J. Wu, "Multiuser Scheduling on the LTE Downlink with Meta-Heuristic Approaches," *Phys. Commun.*, vol. 9, pp. 257–265, 2013.

[6] M. I. Elhadad and M. Abd-elnaby, "Resource Allocation for Real-Time Services Using Earliest Due Date Mechanism in LTE Networks," in *Fourth International Japan-Egypt Conference on Electronics, Communications and Computers (JEC-ECC)*, 2016, pp. 9–12

[7] W. Ke, L. I. Xi, J. I. Hong, and M. A. Ze-wen, "Traffic-Based Queue-Aware Scheduling for 3GPP LTE System,"*The Journal of China Universities of Post and Telecommunication*, vol. 21, no. April, pp. 63–68, 2014.

[8] S. Ghassan, A. Ali, M. D. Baba, and M. A. Mansor, "Resource Block Preserver Scheduling Algorithm for VoIP Applications in LTE Networks," pp. 146–150, 2015.

[9] M. Sauter, From GSM to LTE-Advanced: an Introduction to Mobile Networks and Mobile Broadband, 2nd Edition. West Sussex: Wiley, 2014.

[10] K. I. Pedersen, T. E. Kolding, F. Frederiksen, I. Z. Kovács, D. Laselva, and P. E. Mogensen, "An Overview of Downlink Radio Resource Management for UTRAN Long-Term Evolution," *IEEE Commun. Mag.*, vol. 47, no. 7, pp. 86–93, 2009.

[11] S. Palat and P. Godin, "Network Architecture," in *LTE-The UMTS Long Term Evolution: From Theory to Practice*, S. Sesia, I. Toufik, and M. Baker, Eds. West Sussex: John Wiley & Sons, 2011, pp. 25–55.

[12] H. Ekström, "QoS Control in The 3GPP Evolved Packet System," *IEEE Communications Magazine*, vol. 47, no. 2, pp. 76–83, 2009.

[13] M. Baker and T. Moulsley, "Downlink Physical Data and Control Channels," in *LTE-The UMTS Long Term Evolution: From Theory to Practice*, S. Sesia, I. Toufik, and M. Baker, Eds. West Sussex: John Wiley & Sons, 2011, pp. 189–214.

[14] G. Piro and L. Grieco, "A Two-Level Scheduling Algorithm for QoS Support in The Downlink of LTE Cellular Networks," *Wireless Conference (EW), 2010 Europe*, 2010.

[15] S. Shakkottai and A. L. Stolyar, "Scheduling Algorithms for a Mixture of Real-Time and Non-Real-Time Data in HDR," *Teletraffic Science Engineering*, vol. 4, pp. 793–804, 2001.

[16] F. P. Kelly, A. K. Maulloo, and D. K. H. Tan, "Rate Control for Communication Networks: Shadow Prices, Proportional Fairness and Stability," *Journal of the Operational Research Society*, vol. 49, no. 3, pp. 237–252, 1998.

[17] I. Nurcahyani, I. W. Mustika, and Selo, "Performance Analysis of Packet Scheduling Algorithm for Video Service in Downlink LTE," in *2014 International Conference on Smart Green Technology in Electrical and Information Systems (ICSGTEIS)*, 2014, November, pp. 52–57.

[18] I. W. Mustika and I. Nurcahyani, "Proportional Fairness with Adaptive Bandwidth Allocation for Video Service in Downlink LTE," in *2015 IEEE International Conference on Communication, Networks and Satellite (COMNESTAT)*, 2015, pp. 54–59.