REFERENCES

[1]   Z.Yang,P.Liu,Y.Chen and H.Yu, "Can Left -turn Waiting Areas improve the Capacity of Left Turn Lanes at Signalized intersections," *Procedia - Social and Behavioral Sciences ,* vol. 43, pp. 192-200, 2012.

[2]   Jinpeng and. Y.Zhang, "Effect of Signal Coordination on traffic emission," *Transportation Research part D: Transport and Environment,* Vols. 17,no.2, pp. 149-153, Mar 2012.

[3]   William R McShane,Roger P Roess and Elena S Prassas, Traffic Engineering, Upper Saddle River ,New Jesery: PrenticeHall, 1998.

[4]   F. Webster, "Traffic signal settings," in *Road Research technical paper 39*, London, 1958.

[5]   W.Zhizhou,S.Jian, and Y.Xiaoguang , "Calibration of VISSIM for Shanghai expressway using genetic algorithm," *in Proceedings of the Winter Simulation Conference*, 2005.

[6]   S.J.Kim,W.Kim and L.Rilett, "Calibration of Microsimulation Models Using Nonparametric Statistical Techniques," *Transportation Research Record:Journal of the Transportation Research Board,* vol. 1935, pp. 111-119, 2005.

[7]   S.Gupta, "Delay at Signalized Intersection," in *Department of Traffic Engineering, Indian Institute of Technology*, India.

[8]   S.chen,H.Xu,and H.Liu, "Timing Oversaturated Signals: What Can We Learn from Classic and State-of- the art Signals Control Models," *Journal of Transportation System Engineering and Information Technology,* Vols. 13,no.1, pp. 97-110, 2013.

[9]   Siddharth S M P and Gitakrishnan Ramadurai, "Calibration of VISSIM for Indian Heterogeneous Traffic," *in 2nd Conference of Transportation Research Group of India(2nd CTRG)*, India, 2012.

[10]   T. Mathew and P.Radhakrishnan, "Calibration of Microsimulation Models for Non -Based Heterogeneous Traffic at Signalized Intersections," *Journal of Urban Planning and Developement,* Vols. 136,no.1, pp. 59-66, Mar .2010.

[11]   N.Lownes and R. Machemehl, "Sensitivity of Simulated Capacity to Modification of VISSIM driver Behavior Parameters," *Transportation Reseaech Record : Journal of the Transportation Research Board,* vol. 1988, pp. 102-110, jan 2006.

[12]   M.Fellendorf and P.Vortisch, "Microscopic Traffic Flow Simulator VISSIM," *in Fundamentals of Traffic Simulation ,Springer,New york,NY,* pp. 63-93, 2010.

[13]   P..Manjunatha,P.Vortisch ,and T.V Mathew, "Methodology for the Calibration of VISSIM in Mixed Traffic," 2012.

[14]   Woensel T.V and Vandaele N, "Queuing models for uninterrupted traffic flows," in *Faculty of Applied ecconomics, University of Antwerp., Antwerp*, Belgian, 2004.

[15]   A.J Miller, "A queue model for road taffic flow," *Royal Statistical Society,* vol.23B, pp. 64-75, 1961.

[16]   C.hang-qiao and Xiao-ming Liu, "Estimation of saturation flow rates at signalized intersections," in *Lab of Transportation Engineering Beijing University of Technology ,Beijing*, China, 2012.

[17]   Hellinga B and Liping F, "Delay variability at signalized intersection," *in Publication of the Transport Research Board*, Canada, 2001.

[18]   L.R Kadiyali, "Traffic Engineering and Transportation Planning," in *Khanna Publishers*, New Delhi, 1987.

[19]   K.Hung, "an Evaluation of the Safety and Operational Benefits of Traffic Signal Coordianation for an Urban Arterials in Kuching," 2014.

[20]   J.Wahlstedt, "Impacts of Bus Priority in Coordinated Traffic Signals," *Procedia -Social and Behavioral Sciences* , vol. 16, pp. 578-587, 2011.

[21]   B.Park and H.Qi, "Microscopic simulation model calibration and validation for freeway work zone network-a case study of VISSIM," *in 2006 IEEE Intelligent Transportation Systems Conferences,* pp. 1471-1476, 2006.

[22]   PTV- Group, "PTV vissim 8,User manual," PTV Group, Karlsruhe,Germany, 2015.

[23]   Y..Liu and G.L Chang, "An arterial signal optimization model for intersections experiencing queue spillback and lane blockage," *Transportation Research Part C:Emerging Technologies,* Vols. 19,no.1, pp. 130-144, Feb.2011.

[24]   Nse S.Udoh and Emmanuel J. Ekpenyong, "Analysis of Traffic Flow at Signalized junction in Uyo Metropolis," in *Department of Mathematics and Statistics ,Michael Okpara University of Agriculture*, Umudike, Abia State,Nigeria, 2012.

[25]   Edirisinghe.D.U.A, "Managing traffic congestion in colombo," *in Srilanka Institute of Development Administration,* Colombo 2014.

[26]   Dong LIN Xiaokuan YANG and Chao GAO, "VISSIM -Based Simulation on Road Network of CBD in Beijing, China," *in 13th COTA International Conference of Transportation Proffessionals (CICTP 2013)*, China, 2013.

[27]   A. A Rrecaj and K. M.Bombol, "Calibrarion and Validation of the VISSIM Parameters - State of the Art," *TEM Journal,* Vols. 4,no.3, pp. 255-269, 2015.

[28]   Nadika Jayasooriya and Saman Bandara, "Calibrating and Validating VISSIM Microscopic Simulation Software for the Context of Srilanka," *In Moratuwa Engineering Research Conference (MERCON)*, Colombo, 2018.

[29]   A.Vajeeran and GLDI De Silva, "Delay analysis at a signalized T Intersection," *in 3rd International Multidisciplinary Engineering Research conference* , Moratuwa, 2017