

REFERENCES

- [1] N.Mohan, T.M.Undeland and W.P.Robbins, 'power electronics: converters applications and Design', 3rd Ed. Hoboken, NJ: John Wiley & Sons, 2003.
- [2] I. Batarseh, 'Power Electronic Circuits' Hoboken, NJ: John Wiley & Sons, 2004.
- [3] M.K.Kazimierczuk, 'Pulse-Width Modulated DC-DC Power Converters', Chichester, UK: John Wiley & Sons, 2008.
- [4] S. Hrigua, F.Costa, C.Gautier, and B.Revol, 'New method of EMI analysis in power electronics based on semiconductors transient models: Application to SiC MOSFET/Schottky diode' in *Proc. 38th IEEE Ind. Electron. Soc. Annu. Conf. (IECON)*, 2012, pp. 590–595.
- [5] Y.Yang, D.Huang, F.C.Lee and Q.Li, 'Analysis and reduction of common mode EMI noise for resonant converters' in *Proc. 29th Annu. IEEE Appl. Power Electron. Conf. and Expo. (APEC)*, 2014, pp. 566–571.
- [6] N. Sudhakar, N.Rajasekar, V.T.Rohit, E.Rakesh, and J. Jacob, "EMI mitigation in closed loop boost converter using soft switching combined with chaotic mapping," in *Proc. Int. Conf. Advances Elect. Eng. (ICAEE)*, 2014, pp. 1–6.
- [7] O.Lucia, J.M.Burdio, I.Millan, J.Acero, and D. Puyal, 'Load adaptive control algorithm of half-bridge series resonant inverter for domestic induction heating,' *IEEE Trans. Ind. Electron.*, vol. 56, no. 8, pp. 3106–3116, Aug. 2009.
- [8] W.Li, H.Zhao, S.Li, J.Deng, T.Kan and C.C. Mi, 'Integrated LCC compensation topology for wireless charger in electric and plug-in electric vehicles,' *IEEE Trans. Ind. Electron.*, vol. 62, no. 7, pp. 4215–4225, July 2015.
- [9] Y. Wang, Y. Guan, K. Ren, W. Wang and D. Xu, 'A single-stage LED driver based on BCM boost circuit and LLC converter for street lighting system,' *IEEE Trans. Ind. Electron.*, vol. 62, no. 9, pp. 5446–5457, Sept. 2015.
- [10] Y.Tang, A. Khaligh, 'Bidirectional resonant DC–DC step-up converters for driving high-voltage actuators in mobile microrobots,' *IEEE Trans. Power Electron.*, vol.31, no.1, pp.340–352, Jan. 2016.
- [11] F.Giri, O.Elmaguiri, H. Elfadil and F.Z.Chaoui 'Nonlinear adaptive output feedback control of series resonant DC–DC converters' *Control Engineering Practice*, Vol. 19, Issue 10, PP 1238–1251, October 2011,
- [12] F.S. Cavalcante, J.W.Kolar, 'Small-Signal Model of a 5kW High-Output Voltage Capacitive-Loaded Series-Parallel Resonant DC-DC Converter'. *Proceedings of the 36th IEEE Power Electronics Specialists Conference, Recife, Brazil, June 12 - 16, pp. 1271 – 1277, 2005.*
- [13] G.Ivensky, A.Kats, S.Ben yaakov, 'A Novel RC Load Model of Parallel and Series-Parallel Resonant DC-DC Converters with Capacitive Output Filter' *IEEE Transactions on Power Electronics*, vol.14, no. 3, pp.515 – 521, May 1999
- [14] S.Sanders, J.Noworolski, X.Liu et G.Verghese 'Generalized averaging method for power conversion circuits' *IEEE PESC Record 1990*, pp.330–340
- [15] C.Olalla, I.Queinnec, R. Leyva, and A. El Aroudi, "Optimal statefeedback control of bilinear DC–DC converters with guaranteed regions of stability," *IEEE Trans. Ind. Electron.*, vol. 59, no. 10, Oct. 2012, pp. 3868–3880.
- [16] J.Linares-Flores, J.Reger, and H.Sira-Ramírez, "Load torque estimation and passivity-based control of a boost-converter/DC-motor combination," *IEEE Trans. Control Syst. Technol.*, vol. 18, no. 6, pp. 1398–1405, Nov. 2010.
- [17] G.Besançon and H.Hammouri, 'On Observer Design for Interconnected Systems', *Journal of Mathematical Systems, Estimation and Control*, Vol. 8, pp. 1–25, 1998
- [18] H.K.Khalil, and L.Praly 'high-gain observers in nonlinear feedback control' *International Journal of Robust and Nonlinear Control*, 25(6) pp,993–1015.
- [19] O.El Maguiri, F.Giri, H.Elfadil and F.Z.Chaoui, 'Interconnected state observers for series resonant converters' *IFAC Proceedings Vol 42, Issue 9, 2009, Pages 296–301*