## **DC MEMBER-4**

## Dr. V. JEGATHESAN, ME., PhD Associate Professor

Department of Electrical and Electronics Engineering Karunya Institute of Technology and Sciences, Coimbatore Mobile: 9092551032, Email: jegathesan\_v@yahoo.co.in

- KC Ramya, V.Jegathesan, 2015, "Reduction of ripple in the bidirectional DC-DC converter with the coupled Inductor", International Journal of Innovative Research in science, Engineering and Technology ISSN 2347-6710 DOI: 10.15680/IJIRS ET.2015.0402030, Vol.4, Issue 2, pp. 434-441
- 2. KC Ramya, V.Jegathesan, 2016, "Comparison of PI and PID Controlled Bidirectional DC-DC Converter Systems", International Journal of Power Electronics and Drive System (IJPEDS) ISSN: 2088-8694 DOI: 10.11591.ijpeds.v7.I1, Volume 7, No 1,pp-56-65
- KC Ramya, V.Jegathesan, 2016, "Design and analysis of isolated and non-isolated bidirectional converter for high voltage applications", COMPEL - The international journal for computation and mathematics in electrical and electronic engineering ISSN No.: 0332-1649 DOI: 10.1108/COMPEL-04-2016-0162, Volume 35, Issue 5,pp-1592-1603
- 4. KC Ramya, V.Jegathesan, 2016, "Closed Loop Controlled Bidirectional DC-DC Converter with the Coupled Inductor", International Journal of Control Theory and Applications(*IJCTA*), *ISSN No. 0974-5572*, *9*(12), pp-5599-5608
- 5. Garapati Durga Prasad, V. Jegathesan, Veerasamy Moorthy, 2018, "Minimization of power loss in new fangled cascaded H-bridge multilevel inverter using in-phase disposition PWM and wavelet transform based fault diagnosis", Asin Shams Engineering Journal, Elsevier (<a href="http://dx.doi.org/10.1016/j.asej.2016.09.008">http://dx.doi.org/10.1016/j.asej.2016.09.008</a>)ISSN: 2090-4479, Vol. 9 Issue. 4 December 2018, pp. 1381-1396
- D. Jasmine David, V. Jegathesan, 2017, "Channel Assignment in wireless mesh Networks- A survey Journal of Advanced Research in Dynamical & Control Systems ISSN: 1943-023X, Vol. 9 Issue 12 September 2017, pp.484-501
- 7. KC Ramya, V.Jegathesan, "Design and control of bidirectional soft switching dc-dc converter for HEV applications", *Journal of Electrical Engineering, ISSN 1582-4594*, Vol. 17 Issue.: 4 July 2017, pp.1-9
- 8. KC Ramya, V.Jegathesan, "Hysteresis Controlled Bidirectional DC-DC converter with improved time domain response", International Journal of Advanced in Management, Technology and Engineering Sciences ISSN: 2249-7455, Vol. 7 Issue. 10 2017, pp.65-72
- D.JasmineDavid, V. Jegathesan, "Interference aware channel assignment with bandwidth reservation in multi radio and multichannel wireless mesh networks", International Journal of pure and applied Mathematics, ISSN: 1314-3395, 119 (16 special Issue A) (2018), pp 1643-1658

- 10. Kalagotla Chenchireddy, V.Jegathesan, "Paper on the elimination in cascaded bridge multilevel inverters using bio inspired algorithms", International Journal for Research in Engineering Applications & Management ,ISSN: 2454-9150, Vol. 4 Issue. 5, Aug 2018, pp. 136-140
- 11. D.JasmineDavid, V. Jegathesan, "Traffic aware channel assignment with node stability in wireless mesh networks", International Journal of Engineering & Technology (UAE), ISSN: 2227-524X, 7 (4.20) November 2018, pp. 8-11
- 12. Kalagotla Chenchireddy, V.Jegathesan, "A Unique Fifteen Level Inverter Topology for Grid Connected Applications", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Vol. 8, Issue 6S4, April 2019, pp 494-496
- 13. Kalagotla Chenchireddy, V.Jegathesan, "Design and Simulation of a Single Phase Four Level Neutral Point Clamped Inverter", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Vol. 8, Issue 2, July 2019, pp. 5285-5287
- 14. Kalagotla Chenchireddy, V.Jegathesan, "Design and Simulation of a Single Phase Four Level Neutral Point Clamped Inverter", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Vol. 8, Issue 2, July 2019, pp. 5285-5287
- 15. Jasmine David.D, Jegathesan.V, Roopa Jayasingh.J, Alvino Rock.C, "Performance Analysis on Hybrid Wireless Mesh Network Topology using Interference Aware Bandwidth Reservation", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Vol. 8, Issue 2, July 2019, pp. 2666-2670
- Kalagotla Chenchireddy, V. Jegathesan, L. Ashok Kumar, "A Fifteen Level Inverter Topology for Grid Connected Applications", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019, PP.1015-1018
- 17. Jasmine David.D, Jegathesan.V, Roopa Jayasingh.J, Alvino Rock.C, "Performance of dynamic priority based interference aware channel allocation in wireless mesh networks for energy conservation", International Journal of Innovative Technology and Exploring Engineering ISSN: 2278-3075, Volume-9 Issue-1, November 2019, pp. 5331-5335
- Kalagotla Chenchireddy, V. Jegathesan, "Multilevel Inverter Topologies with Sliding Mode Control: A Review", International Journal of Advanced Science and Technology, ISSN: 2005-4238, Volume. 29, No. 6 June 2020, pp. 8449-8460
- 19. Saju N, Jegathesan V, Aiswarya K P, "Solid State Transformers: An Emerging Trend in Power Quality Improvement", International Journal of Engineering Research and Technology. ISSN 0974-3154, Volume 13, Number 5 2020, pp. 900-908
- 20. Saju N, Jegathesan V, and Anusha S, "Comparison of Total Harmonic Distortions in various Solid State Transformer Topologies", International Journal of Advanced Science and Technology, ISSN: 2005-4238, Vol. 29, No. 04, June 2020, pp. 6877 –6888
- 21. D.Jasmine David, V.Jegathesan, T. Jemima Jebaseeli, "Interference Aware Channel Assignment in Wireless Mesh Network", *International Journal of Engineering Trends and Technology (IJETT)* ISSN: 2231-5381, *Volume 68 Issue 8 Aug 2020*, pp. 1-6
- 22. Saju N, Jegathesan V, "Fuzzy Logic Fed Novel Dual Winding Solid State Transformer based on Dual Active Bridge for Power Quality Improvement", International Journal of

- Emerging Trends in Engineering Research (IJETER)-ISSN:2347-3983, Vol. 8, No. 08, August 2020, pp. 4097-4101
- 23. Saju N, Jegathesan V, "Ann driven dual active bridge based dual winding solid state transformer for power quality improvement", International Journal of Emerging Trends in Engineering Research (IJETER)-ISSN:2347-3983, Vol. 8, No. 09, September 2020, pp. 6030-6034
- 24. Saju N, Jegathesan V, "Performance analysis of novel three stage dual active bridge based solid state transformer with dual secondary winding for renewable energy integration", Journal of Green Engineering, Vol: 10, issue: 9 2020, pp. 7278-7289
- 25. D.Jasmine David, V.Jegathesan, T. Jemima Jebaseeli, "Distributed Optimal Congestion Control and Channel Assignment in Wireless Mesh Networks", <a href="http://dx.doi.org/10.12928/telkomnika.v19i2.16135">http://dx.doi.org/10.12928/telkomnika.v19i2.16135</a>, Vol: 19, issue: 2 2020