

Publications

Journal Papers:

1. **Arif Iqbal**, Girish Kumar Singh, “Chaos control of permanent magnet synchronous motor using simple controllers”, *Transactions of the Institute of Measurement and Control*, DOI: 10.1177/0142331218799830 (**SCI Journal**, Impact Factor 1.579)
2. **Arif Iqbal**, G.K. Singh, “Eigenvalue analysis of six-phase synchronous motor for small signal stability”, *EPE Journal*, Vol. 28, No. 1, pp. 1-14, March 2018 (**SCI Journal**, Impact Factor 0.168).
3. Ajay Kumar Vyas, Navneet Agrawal, **Arif Iqbal**, “Comparison of digital signal processing, feedback and feedforward compensation technique for dual polarization 128-QAM radio over fiber link”, *Optik*, Volume 174, December 2018, pp 68-76 (**SCI Journal**, Impact Factor 1.191).
4. G.K. Singh, **Arif Iqbal**, “Analysis of asymmetrical six-phase synchronous motor under fault condition”, *Chinese Journal of Electrical Engineering*, Vol. 3, No. 2, pp. 62-75, September 2017. (Publisher: **IEEE**).
5. **Arif Iqbal**, G.K. Singh, Vinay Pant, “Stability analysis of an asymmetrical six-phase synchronous motor”, *Turkish Journal of Electrical Engineering & Computer Science*, Vol. 34, No. 3, pp. 1674-1692, March 2016 (**SCI Journal**, Impact Factor 0.580).
6. **Arif Iqbal**, G.K. Singh, Vinay Pant, “Some observation on no-load losses of an asymmetrical six-phase synchronous machine”, *Turkish Journal of Electrical Engineering & Computer Science*, Vol. 24, No. 5, pp. 4497-4507, June 2016 (**SCI Journal**, Impact Factor 0.580).

7. **Arif Iqbal**, G.K. Singh, Vinay Pant, “Vector control of asymmetrical six-phase synchronous motor”, *Cogent Engineering*, Vol. 3 No. 1, 1134040, January 2016 (Publisher: **Taylor & Francis**).
8. **Arif Iqbal**, G.K. Singh, Vinay Pant, “Steady-state analysis of six-phase synchronous motor”, *System Science & Control Engineering*, Vol. 2, No. 1, pp. 236-249, March 2014 (Publisher: **Taylor & Francis**).

Conference Proceedings:

1. Mohammad Aslam Husain, **Arif Iqbal**, Yudhishtir Pandey, S.P. Singh, Abu Tariq, “A novel fast alterable duty (FAD) MPPT procedure for solar PV hybrid vehicles” 5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON), 2-4 Nov. 2018.
2. **Arif Iqbal**, M. Aslam Husain, “MRAS based Sensorless control of Induction Motor based on rotor flux” IEEE International Conference on “Computational and Characterization Techniques in Engineering and Sciences (CCTES-18), Integral University, Lucknow, September 14-15, 2018 (Accepted). This paper has been awarded as **Best Paper** of the conference.
3. **Arif Iqbal**, Ajay Vyas, “Modified internet of things technology for high power”, 3rd IEEE International Conference on Nanotechnology for Instrumentation and Measurement (NANOFIM 2017), Nov. 16-17, 2017.
4. **Arif Iqbal**, Omveer Singh, “Maximum torque per ampere control of six phase synchronous motor”, *IEEE international Conference on Control, Computing and Materials (ICCCCM) 2016*, 21-22 Oct. 2016.

5. Omveer Singh, **Arif Iqbal**, Sanjeev Kumar, Saurabh Kr. Rajput, “Hybrid renewable energy system integration in the micro-grid: Indian context”, *IEEE international Conference on Control, Computing and Materials (ICCCCM) 2016*, 21-22 Oct. 2016.
6. **Arif Iqbal**, M. Rizwan Khan, “Sensorless control of a vector controlled three-phase induction motor drive using artificial neural network”, *IEEE Joint International Conference on Power Electronics, Drives and Energy Systems (PEDES) & 2010 Power India*, pp. 1-5, 20-23 Dec. 2010