

LIST OF PUBLICATIONS

Faculty: Dr Tarkeshwar Mahto

Department of Electrical and Electronics Engineering

JOURNAL PUBLICATIONS

Load frequency control of a solar-diesel based isolated hybrid power system by fractional order control using partial swarm optimization - **Tarkeshwar Mahto**, Hasmat Malik, M. Saad Bin Arif - *Journal of Intelligent & Fuzzy Systems*, 35(5), 5055-5061, (2018)

A novel scaling factor based fuzzy logic controller for frequency control of an isolated hybrid power system - **Tarkeshwar Mahto**, V. Mukherjee - *Energy*, 130, 339-350 (2017)

Fractional order fuzzy PID controller for wind energy-based hybrid power system using quasi-oppositional harmony search algorithm - **Tarkeshwar Mahto**, V. Mukherjee - *IET-Generation, Transmission and Distribution*, 11 (13), 3299 - 3309, (2017)

Integrated frequency and power control of an isolated hybrid power system considering scaling factor based fuzzy classical controller - Somnath Ganguly, **Tarkeshwar Mahto**, V. Mukherjee - *Swarm and Evolutionary Computation*, 32, 184-201 (2017)

Evolutionary optimization technique for comparative analysis of different classical controllers for an isolated wind-diesel hybrid power system - **Tarkeshwar Mahto**, V. Mukherjee - *Swarm and Evolutionary Computation*, 26, 120-136 (2016)

Load frequency control of a two-area thermal- hybrid power system using a novel quasi-opposition harmonic search algorithm - **Tarkeshwar Mahto**, V. Mukherjee - *Journal of the Institution of Engineers (India): Series B*, 97(3), 367-380 (2016)

A novel quasi-oppositional harmony search algorithm and fuzzy logic controller for frequency stabilization of an isolated hybrid power system – **Tarkeshwar Mahto**, V. Mukherjee - *International Journal of Electrical Power & Energy Systems*, 66, 247-261 (2015)

Quasi-oppositional harmony search algorithm and fuzzy logic controller for load frequency stabilisation of an isolated hybrid power system - **Tarkeshwar Mahto**, V. Mukherjee - *IET-Generation, Transmission and Distribution*, 9 (5), 427-444 (2015)

Energy storage systems for mitigating the variability of isolated hybrid power system - **Tarkeshwar Mahto**, V. Mukherjee - *Renewable & Sustainable Energy Reviews*, 51, 1564-1577 (2015)

Frequency stabilisation of a hybrid two-area power system by a novel quasi-oppositional harmony search algorithm - **Tarkeshwar Mahto**, Vivekananda Mukherjee - *IET Generation, Transmission & Distribution*, 9(15), 2167-2179 (2015)

Comparative study of classical controllers for LFC of an isolated hybrid distributive generation system – **Tarkeshwar Mahto**, V. Mukherjee, Almoataz Y. Abdelaziz - *International Journal of Engineering, Science and Technology*, 7(3), 133-140 (2015)

Application of neuro-fuzzy scheme to investigate the winding insulation paper deterioration in oil- immersed power transformer - Hasmat Malik, Amit Kumar Yadav, Sukumar Mishra, **Tarkeshwar Mahto** - *International Journal of Electrical Power & Energy Systems*, 53, 256–271 (2013)

New methodology for enhancement of residual life of power transformers - Hashmat Malik, Surinder Singh, **Tarkeshwar Mahto** - *Journal of Electrical Engineering*, 13/2013(3), 20-24 (2013)

Application of physical-chemical data in estimation of dissolved gases in insulating mineral oil for power transformer incipient fault diagnosis with ANN - Hasmat Malik, **Tarkeshwar**, Mantosh Kr, Amit Kr Yadav, B.Anil Kr. - *International Journal of Computer Applications*, 41(21), 43-50 (2012)

Make use of DGA to carry out the transformer oil immersed paper deterioration condition estimation with fuzzy- logic - Hasmat Malika, **Tarkeshwar**, R.K. Jarial - *Procedia Engineering*, 30, 569–576 (2012)