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## LIST OF PUBLICATION

- 1. Sannistha Banerjee, Partha Sarathee Bhowmik (2020) Transient Disturbances and Islanding Detection in Micro Grid using Discrete Wavelet Transform, IEEE Calcutta Conference (CALCON), IEEE Xplore pp.396-401
- 2. Dhruba Kumar, Partha Sarathee Bhowmik (2020) Genetic Algorithm-based Optimal Placement of STATCOM in Pre-islanding and Post-islanding Condition IEEE Calcutta Conference (CALCON), IEEE Xplore pp.373-377
- 3. Sourav Moitra, Partha Sarathee Bhowmik (2019) Analyses of Combined DSRR and EBG Structures Over SIW and HMSIW for Obtaining Band Pass Response, Wireless Personal Communications Springer US pp.1-12
- 4. Dhruba Kumar, Partha Sarathee Bhowmik (2019) Classification of Faults in a Test Power System using Artificial Neural Network, 2nd International Conference on High Voltage Engineering and Power Systems (ICHVEPS), IEEE Xplore pp.304-309
- 5. Sourav Moitra, Ranjan Dey, Partha Sarathee Bhowmik (2019) Design and band coalition of dual band microstrip filter using DGS, coupled line structures and series inductive metallic vias, Analog Integrated Circuits and Signal Processing, vol.101, no.1 pp 77-88
- 6. Dhruba Kumar, Puspendu Ghosh, Partha Sarathee Bhowmik (2019) A Comparative Analysis of Harmonics Distortion and Transient Monitor in LABVIEW, 1st International Conference on Energy, Systems and Information Processing (ICESIP) pp.1-6
- 7. Dhruba Kumar, Partha Sarathee Bhowmik (2019) Hidden Markov Model Based Islanding Prediction in Smart Grids, IEEE Systems Journal vol.13,no.4 pp.4181-4189
- 8. Sourav Moitra, Partha Sarathee Bhowmik (2019) Performance Study of 90° Bend Substrate Integrated Waveguide Band-Pass Filter with Multi-transmission Zeroes for MIC Applications, Wireless Personal Communications, vol.105 no.1 pp-387-398
- 9. Dhruba Kumar, Partha Sarathee Bhowmik (2018) Artificial neural network and phasor data-based islanding detection in smart grid, IET Generation, Transmission & Distribution vol.12 no.21 pp.5843-5850
- 10. Sourav Moitra, Partha Sarathee Bhowmik (2018) Design and Analysis of 150° Bend SIW and Corrugated SIW Bandpass Filter with Multiple Transmission Zeroes Using Reactive Periodic Structures Suitable for Microwave Integrated Circuits, Wireless Personal Communications vol.101,no.1,pp.167-180
- 11. Dhruba Kumar, Nirmali Daimary, Partha Sarathee Bhowmik (2018) Wide Area Single Parameter Based Method for Multi-Event Detection, International Conference on Computation of Power, Energy, Information and Communication (ICCPEIC) pp.393-398
- 12. S Moitra, PS Bhowmik, A Muvvala (2018) 150° Bend Half Mode Substrate Integrated Waveguide (HMSIW) Band-pass Filter using T-shaped Periodic Elements, International

- Conference on Communication, Computing and Internet of Things (IC3IoT) IEEE Xplore pp.292-232
- 13. S Moitra, PS Bhowmik, A Muvvala (2018) Design and Characterization of Angular Bend Substrate Integrated Waveguide (SIW) Bandpass Filter for Microwave Ku-Band Applications International Conference on Communication, Computing and Internet of Things (IC3IoT) pp224-228
- 14. Rajib Sadhu, PS Bhowmik (2017) Different Setting of Unified Power Flow Controller (UPFC) and Its Effect on Performance of Distance Relay, International Conference on Modelling and Simulation, Springer, Cham pp.179-190
- 15. Indrajit Koley, Partha Sarathee Bhowmik, Asim Datta (2017) Load frequency control in a hybrid thermal-wind-photovoltaic power generation system, 4th International Conference on Power, Control & Embedded Systems (ICPCES) IEEE pp.1-5
- 16. Indrajit Koley, Partha Sarathee Bhowmik, and Asim Datta (2017) Load Frequency Control in a Hybrid ThermalWind-Photovoltaic Power Generation System, 4th International Conference on Power, Control & Embedded Systems
- 17. Dhruba Kumar, Partha Sarathee Bhowmik (2017) Wide area islanding detection using Phasor Measurement Unit, 11th International Conference on Intelligent Systems and Control (ISCO) pp.49-54
- 18. Sourav Moitra, Partha Sarathee Bhowmik 2016, Modelling and analysis of Substrate Integrated Waveguide (SIW) and half-mode SIW (HMSIW) band-pass filter using reactive longitudinal periodic structures, AEU-International Journal of Electronics and Communications vol.70 no.12 pp.1593-1600
- 19. A Mitra, PS Bhowmik, S Chowdhuri (2016) Performance analysis of a three-phase Active Front-End PWM Rectifier without current loop PI controller 2nd International Conference on Control, Instrumentation, Energy & Communication (CIEC) IEEE xplore pp.343-347
- 20. S Moitra, A Nath, SR Rout, PS Bhowmik (2016) Band pass filter design using half mode substrate integrated waveguide (HMSIW) with periodically loaded F-EBG structures, IEEE Students' Technology Symposium (TechSym) pp.192-195
- 21. S Moitra, PS Bhowmik (2015) Effect of Various Slot Parameters in Single Layer Substrate Integrated Waveguide (SIW) Slot Array Antenna for Ku-Band Applications., Applied Computational Electromagnetics Society Journal vol.30 no.8
- 22. Sourav Moitra, Basudeb Mondal, Asish Kumar Mukhopadhyay, Partha Sarathee Bhowmik (2015) Wide-Banding of Half-Mode Substrate Integrated Waveguide (HMSIW) Filters Using L-Slots, Computational Advancement in Communication Circuits and Systems Springer, New Delhi pp.19-27