



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

## Department of Electrical and Electronics Engineering

### List of Conference Publications

S.NO	Title of the paper	Name of the Authros	Title of the proceedings of the conference	Name of the publisher	National/International	ISBN/ISSN number of the proceeding	Academic Year
1	Compensation of symmetrical and unsymmetrical voltage sags and swell for an induction motor drive by using cuk converter	N Usha, P V Prasad, K Ramesh reddy	Electrical, Electronics, Computers, Communication, Mechanical and Computing	IEEE	International	978-1-5386-0814-2	2017-18
2	Performance of Custom Power Devices for Power Quality Improvement	S.Praveena, B. Suresh Kumar	Power, Control, Signals & Instrumentation Engineering	IEEE	International	978-1-5386-0814-2	2017-18
3	Power quality improvement using custom power devices	B. Suresh Kumar, Praveena and K Rakeshkumar	Current Trends towards Converging Technologies (ICCTCT)	IEEE	International	978-1-5386-3702-9	2017-18
4	A solution to the Multi-objective Optimization Problem with FACTS devices using NSHCSA including practical constraints	M. Balasubba Reddy	Power, Control, Signals & Instrumentation Engineering	IEEE	International	978-1-5386-0814-2	2017-18
5	Multi-objective OPF Problem Analysis with Practical Constraints in the Presence of FACTS Devices using NSHCSA	M. BalasubbaReddy	Computational Intelligence Theories, Applications and Future Directions	Engineering Science and Technology	International	2215-0986	2017-18

6	Multi objective optimal power flow with generalised interline power flow controller using NSHCSA	M. Balasubba Reddy, P V Prasad	Electrical, Electronics, Computers, Communication, Mechanical and Computing	IEEE	International	978-1-5386-0814-2	2017-18
7	Object classification using SIFT algorithm and transformation techniques	T R Vijayalaxmi, Ch.V. KrishnaReddy	Computer, Information Security and Cryptology	Cognitive Informatics and Soft Computing	International	978-981-13-0617-4	2017-18
8	Probabilistic Analysis of Partial Discharge in Power Transformer due to the Presence of Spherical Particle	N.Vasantha Gowri	Energy, Communication, Data Analytics and Soft Computing	IEEE	International	978-1-5386-1887-5	2017-18
9	Comparative study of different PWM techniques used for five level cascaded H-bridge inverter based D-Statcom	V. Chandrasekhar, Dr K. Krishnaveni	Recent Innovations in Electrical, Electronics and Communications Engineering	IEEE	International	978-1-5386-5995-3	2018-19
10	Modeling, analysis and simulation of two level, three level voltage source converter for HVDC system	G. Surendhar, K. Krishnaveni, B.P. Muni	Recent Innovations in Electrical, Electronics and Communications Engineering, ICRIEECE-2018	IEEE	International	978-1-5386-5995-3	2018-19
11	Power quality enhancement using particle swarm optimization based shunt active power filter	S.R. Reddy, P.V.Prasad, G.N.Srinivas	Advances in Electrical and Computer Technologies (ICAECT-2019)	—	International	—	2018-19
12	Simulation and Analysis of Single Phase Full Bridge Diode Rectifier with Different Passive Power Factor Correction Techniques	G. Suresh Babu, G. Aparna, T.Muralikrishna	Recent Innovations in Electrical, Electronics and Communications Engineering	IEEE	International	978-1-5386-5995-3	2018-19
13	Modeling and simulation of dual Redundant power inverter stage to BLDCM for MEA Application	B. Suresh Kumar, B.V. Ravi Kumar, K. Sindhu Priya	Innovations in Electronics and Communication Engineering	Lecture Notes in Networks and Systems	International	978-981-13-3765-9	2018-19

14	Analysis of partial discharge due to copper spherical particle in power transformer under different oil flow models using CFD	N. VasanthaGowri	Intelligent Manufacturing and Energy Sustainability (ICIMES-2019)	Springer Singapore	International	978-981-15-1616-0	2018-19
15	Optimal Combined Over current and Distance Relays Coordination using TLBO Algorithm	Saptarshi Roy, P. Suresh Babu, N.V.PhanendraBabu	Advances in Intelligent Systems and Computing	IEEE	International	978-1-5386-4318-1	2018-19
16	A New Technique for Designing Restoration Based Reliable WAMS Structure	N V PhanendraBabu	National Power Systems Conference	IEEE	National	978-1-5386-6159-8	2018-19
17	optimal switching of domestic loads for Energy Conservation and power distribution reliability	G Suresh Babu, G.Harikrishna	All India Conference on: Load management in Electrical Power systems in INDIA,	Lecture Notes in Networks and Systems	International	978-981-13-3765-9	2019-20
18	A Novel tehniqe to observe the performance of virtual solar PV module system	G Suresh Babu, N.Sai Varun	Innovations in Electrical &Electronics Engineering (ICIEEE-2019)	Lecture Notes in Networks and Systems	International	978-981-13-3765-9	2019-20
19	Hybrid Flying Squirrel Search Algorithm for solving the single objective optimization power flow problem in power system	M Balasubbareddy, Divyanshi D	8th International Conference on Contemporary Engineering and Technology 2020	—	International	—	2019-20
20	Design and Control of LLC Resonant Converter used in Distributed Power Systems	P.Kowstubha, K.Krishnaveni	Power Engineering Research Summit (PERS'20)	—	International	—	2019-20
21	DSTATCOM with Different Multilevel Inverter Topologies and Different Transformer Connections to Compensate Neutral Currents and PQ Problems	CH.V. Krishnareddy	EFIDC-2019	—	International	—	2019-20

22	Optimal Identification and selection of Phasor Measurement Units- A Methodology	N Venkataphanendra Babu, P Suresh babu	International Conference on Power Systems (ICPS)	IEEE	International	978-1-7281-4103-9	2019-20
23	Contingency Analysis of Power system using Power world simulator	P.V.Prasad, Harshith varma, Sreeram, Pranay.P	National conference on Recent Trends in Electrical Engineering (RTEE-20)	—	National	—	2019-20
24	Performance Evaluation of Inverter for Different Pulse Width Modulation Techniques	T. Murali Krishna, P. Lakshmi Supriya, C. Harish	Recent Trends in Electrical Engineering	—	National	—	2019-20
25	Control of Two Level Converter based STATCOM With Battery and Ultracapacitor	Anil Bharadwaj, SumanMaiti and Nirmalya Dhal	NPEC ,IEEE	IEEE	National	978-1-7281-4428-3	2019-20
26	Performance enhancement of isolated forward converter using PI controller	D.Harsha, C.Srisailam	Recent Trends in Electrical Engineering	—	National	—	2019-20
27	Optimized control technique of Active power filterin 25kv Electric Traction System	D.Sathish,G.ArunKumar	Recent Trends in Electrical Engineering	—	National	—	2019-20
28	Optimal Selection of Phasor Measurement Units	N. V. Phanendrababu	-	Springer Textbook: Wide Area Power Systems Stability, Protection, and Security	-	978-3-030-54275-7	2020-21
29	Optimal distributed generator and shunt capacitor in radial distribution system using particle swarm optimization	P.V.Prasad, P.Sreelekha	Emerging Trends in Circuit branch Technologies and Applications	Institute of Scholars	International	978-1-68576-062-5	2020-21

30	AI based Cyber-attack Resistant Microgrid System with IRNSS Synchronization	M Balasubbareddy, P Venkata Prasad, S Varshini, A D Sarma	Emerging Trends in Circuit branch Technologies and Applications	Institute of Scholars	International	978-1-68576-062-5	2020-21
31	Power quality conditioning by UPQC using dq theory	M Balasubbareddy, S Varshini,	Emerging Trends in Circuit branch Technologies and Applications	Institute of Scholars	International	978-1-68576-062-5	2020-21
32	Lithium Ion Battery	Mr.Tipirisetti Rakesh, Dr. B. Suresh Kumar & Dr. J. Upendar	Innovative Engineering Technologies - 2020	—	International	—	2020-21
33	Power Quality Concerns in Implementing Smart Distribution Grid Applications	Dr. S. Swathi, B.Suresh Kumar, J. Upendar	Emerging Trends in Circuit branch Technologies and Applications	Institute of Scholars	International	978-1-68576-062-5	2020-21
34	Selection of Power Inverter Configuration for Dual redundancy technique with fault diagnosis and fault tolerance	B.Suresh Kumar	Power Inverters	IEEE	International	—	2020-21
35	Converter/Inverter Topologies for Standalone and Grid-Connected PV Systems	Sudhakar Babu Thanikanti, Dalia Yousri, Dalia Allam, M. B. Etebia, Karthik Balasubramanian	Renewable Energy and Future Power Systems	Springer Singapore	International	978-981-15-1616-0	2020-21
36	Dehaze model to improve Object Visibility under atmospheric degradation”	T R Vijaya Lakshmi, Y Rakesh Kumar, Ch.V.Krishna Reddy, L Pratap Reddy	Intelligent Sustainable Systems	IEEE	International	978-1-7281-7089-3	2020-21

37	Geothermal Power Generation : Global Updates	Illinda Pranav and Kola Leleedhar Rao	Energy,Control,Computing and Electronic Systems" (E-ICECCES2020),		International		2020-21
38	Correlation Factor-based Fault-Phase Detection for Series Compensated Transmission Line	Saptarshi Roy, N V Phanendra Babu, P Suresh Babu	IEEE-ASPCON2020	IEEE	International	978-1-7281-6882-1	2020-21
39	A Modified H-Bridge TransformerlessPhotoVoltaic Neutral-point-clamped inverter with constant common mode voltage”	Ahmad Syed,Tara Kalyani Sandipamu,Freddy Tan Kheng Suan,XiaoqiangGuo,Huai wang	Power, Instrumentation, Control and Computing (PICC)	IEEE	International	978-1-7281-7590-4	2020-21
40	Hardware Implementation and MATLAB Simulation of Automatic power factor correction”	B. Suresh Kumar	Recent Advances in Technology & Engineering (CRATE-2020)	—	National	—	2020-21
41	Thermal Comfort for a Green Office Building: Current Status and Future Direction	Al-Shetwi, Ali Q., Majid A. Abdullah, M. A. Hannan, Thanikanti Sudhakar Babu, Priya Ranjan Satpathy, and Renu Sharma	Advances in Power, Signal, and Information Technology (APSIT)	IEEE	International	978-1-6654-2506-3	2021-22

42	Visual Comfort for a Green Office Building: An Overview	Al-Shetwi, Ali Q., Majid A. Abdullah, Thanikanti Sudhakar Babu, Muhamad Bin Mansor, Priya Ranjan Satpathy, and Khaled Alzaareer	Advances in Power, Signal, and Information Technology (APSIT)	IEEE	International	978-1-6654-2506-3	2021-22
43	An Effective EMI Mitigation Technique Using Chaotic PWM for Interleaved Boost Converter	Natarajan, Sudhakar, Thanikanti Sudhakar Babu, Karthik Balasubramanian, Chiranjit Sain, and Priya Ranjan Satpathy	Advances in Power, Signal, and Information Technology (APSIT)	IEEE	International	978-1-6654-2506-3	2021-22
44	Universal Motor with On-Off Controller for Washing Machine Application	Natarajan, Sudhakar, Karthik Balasubramanian, Priya Ranjan Satpathy, and Thanikanti Sudhakar Babu	Advances in Power, Signal, and Information Technology (APSIT)	IEEE	International	978-1-6654-2506-3	2021-22