

SSN COLLEGE OF ENGINEERING, KALAVAKKAM

DEPARTMENT OF EEE

INTERNATIONAL CONFERENCE PUBLICATIONS - 2017

1. Dr. R. Ramaprabha, Assoc. Prof./EEE and S. Iyappan, Research assistant /EEE, "A Review on Solar Photovoltaic Water Pumping for Agriculture in India: Literature, Designing and Cost analysis", 9th International Conference on "Trends in Industrial Measurements and Automation (TIMA 2017)" at Madras Institute of Technology (MIT), Chennai, India, pp. 150-153 during Jan 06-08, 2017.
2. M. Mohana Krishnan, M.E.-II Year/PED and Dr. R. Ramaprabha, Assoc. Prof./EEE, "Vector Control of Grid Connected Photovoltaic Inverter", 9th International Conference on "Trends in Industrial Measurements and Automation (TIMA 2017)" at Madras Institute of Technology (MIT), Chennai, India, pp. 154-159 during Jan 06-08, 2017.
3. M. Kanimozhi, M.E.-II Year/PED and Dr. R. Ramaprabha, Assoc. Prof./EEE, "Design of 500W Standalone Photovoltaic System", Madras Institute of Technology (MIT), Chennai", 9th International Conference on "Trends in Industrial Measurements and Automation (TIMA 2017)" at Madras Institute of Technology (MIT), Chennai, India, pp. 312-317 during Jan 06-08, 2017.
4. G. Ramya, Full-time Research Scholar Dr. R. Ramaprabha, Assoc. Prof./EEE and K. N. Dinesh Babu, Senior Engineer, Meggar "Analysis of Synchronization Algorithm for Grid Connected Photovoltaic Modular Multilevel Converter using Positive Sequence Detector and Phase Locked Loop", 9th International Conference on "Trends in Industrial Measurements and Automation (TIMA 2017)" at Madras Institute of Technology (MIT), Chennai, India, pp. 305-311 during Jan 06-08, 2017.
5. Venkatakrishnan G R, Mahadevan J, Rengaraj R has presented a paper titled "Differential Evolution with Parameter Adaptation Strategy to Economic Dispatch Incorporating Wind" in Second International Conference on Intelligent and Efficient Electrical Systems 2017 (ICEES 2017), January 20-21, 2017.
6. R. Supriya, V. Aishwhariya (Final Year EEE Students) and R. Ramaprabha, Asso.Prof./EEE, "Development of Low-Cost Solar Array Simulator using an Off-the-Shelf DC Power Supply", 2nd International Conference on Recent Advancements in Chemical, Environmental & Energy Engineering (RACEEE-2017), Department of Chemical Engineering, SSN College of Engineering, Chennai during February 23-24, 2017.
7. Thiagarajan V., AP/EEE, presented a paper titled "Simulation Analysis of Modified Multilevel Inverter with Reduced Number of Switches" in the International

- Conference on Recent Advancements in Chemical, Environmental & Energy Engineering (RACEEE-2017) organized by Department of Chemical Engineering, SSN College of Engineering, Chennai during 23.02.17&24.02.2017 .
8. P.S.Suvetha(PG Student),S.DeviVidhya (Full time Research Scholar) and M.Balaji presented a paper titled "Fuzzy Logic Control of Coupled Inductor Bidirectional DC-DC Converter", at the International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017), organized by the Department of Electrical and Electronics Engineering, Pondicherry Engineering College on 24.2.17.
 9. G.R.Venkatakrishnan, R.Rengaraj, presented a paper titled" An improved differential evolution algorithm for real power dispatch with stochastic wind power" in the TEQIP - II Sponsored International conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT' 2017), Feb 24 - 25 2017. (Got the BEST PAPER award).
 10. M.Karthikeyan, R.Rengaraj, presented a paper titled " Autoregressive Signal modeling and extreme learning machine based fault classification and location in UPFC compensated line" in the TEQIP - II Sponsored International conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT' 2017), Feb 24 - 25 2017
 11. HithuAnand, R.Rengaraj, presented a paper titled " A smart grid view of distributed generation for reduced power loss in a feeder using firefly algorithm" in the TEQIP - II Sponsored International conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT' 2017), Feb 24 - 25 2017.
 12. W.A.Augusteen, B.Pravinkumar, R.Rengaraj, presented a paper titled " Self-Adaptive Evolution Programming for solving Economic dispatch problem incorporating wind energy, "in the TEQIP - II Sponsored International conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT' 2017), Feb 24 - 25 2017.
 13. Prabhu (Part time Research Scholar) and M.Balaji presented a paper titled "Vibration Analysis Of E-Core Flux Reversal Free Switched Reluctance Motor" at International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017), organized by the Department of Electrical and Electronics Engineering, Pondicherry Engineering College , Puducherry on 25.2.17.
 14. A.Ramya (Full time Research Scholar), M.AshwinKarthick (IV year UG Student) and M.Balaji presented a paper titled " Power Quality Improvement in BLDC Motor Drive using Modified Bridgeless Cuk Converter" at International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017), organized by the Department of Electrical and Electronics Engineering, Pondicherry Engineering College , Puducherry on 25.2.17.

15. S.Bavani(PG Student),P. Saravanan, M.Balaji ASSP/EEE presented a paper titled “Design and Implementation of Fault Tolerant Converter Topology for Switch Reluctance Motor Drive” at the International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017), organized by the Department of Electrical and Electronics Engineering, Pondicherry Engineering College, Puducherry on 25.2.17.
16. S.Aswini (PG Student), L.Kurinjimalar (Part Time Research Scholar), M.Balaji presented a paper titled “Performance Analysis of Different Rotor Configuration of BLDC Motors” at the International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017), organized by the Department of Electrical and Electronics Engineering, Pondicherry Engineering College, Puducherry on 25.2.17.
17. G. Ramya, FT Research scholar/EEE, M. Mohana Krishnan, PG student/EEE and R. Ramaprabha, Asso. Prof./EEE, “ Comparative Study on Control Methods for PMSM Based Wind Energy Using PI and Fractional Order Controller”, TEQIP – II Sponsored International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017), Pondicherry Engineering College, Pondicherry, India during 24th-25th, February 2017 at Hotel Accord, Puducherry.
18. M. Venmathi and R. Ramaprabha, Asso. Prof./EEE, “Investigation on Isolated Derived Topology for Differential Power Processing in Photovoltaic System”, TEQIP – II Sponsored International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017), Pondicherry Engineering College, Pondicherry, India during 24th-25th, February 2017 at Hotel Accord, Puducherry. – Presented by both the authors.
19. S. Malathy,AP/EEE, R. Ramaprabha, Asso. Prof./EEE, B. Kabilram, K. Manirajan, K. Marriappan and G. Vignesh (IV Year UG students/EEE), “Performance Analysis of Reduced Device Count Multilevel Inverter with Low Frequency PWM Schemes”, TEQIP – II Sponsored International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017), Pondicherry Engineering College, Pondicherry, India during 24th-25th, February 2017 at Hotel Accord, Puducherry. – Presented by K. Manirajan
20. Ms.Mahalakshmi (IYr.M.E., PED) and DR.R.Seyezhai, ASSP/EEE presented a paper titled, “DESIGN AND SIMULATION OF AN INTEGRATED PFC AC-DC CONVERTER FOR TELECOMS” in the International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017), organized by the Department of Electrical and Electronics Engineering, Pondicherry Engineering College, Pondicherry on 24.2.17. The paper received the BEST PAPER AWARD and the project was funded by SSN Institutions.
21. S.Harika(IYr. M.E., PED) and DR.R.Seyezhai, ASSP/EEE presented a paper titled, "Analysis of Modulation Strategies for Two-Stage Interleaved Voltage Source Inverter Employed for PV Applications”, in the International Conference on Contemporary Topics in Power Engineering and Aiding Technologies

- (ICCPEAT'2017), organized by the Department of Electrical and Electronics Engineering, Pondicherry Engineering College, Pondicherry on 25.2.17.
22. V.Aishwarya, Kaviya.R&C.Kavitha (II Yr.EEE, A) and DR.R.Seyezhai, ASSP/EEE presented a paper titled, “Investigation and comparison of performance parameters between bridged and bridgeless interleaved boost converter” in the International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017), organized by the Department of Electrical and Electronics Engineering, Pondicherry Engineering College, Pondicherry on 25.2.17. This work by funded by SSN Institutions.
 23. Subhitcha.R&V.Sowmya (III Year EEE, B) &DR.R.Seyezhai, ASSP/EEE presented a paper titled, “Investigation of PWM Strategies of Voltage Source Inverter for Power Quality Improvement” in the International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017), organized by the Department of Electrical and Electronics Engineering, Pondicherry Engineering College, Pondicherry on 25.2.17.
 24. Subhitcha.R&V.Sowmya (III Year EEE, B) &DR.R.Seyezhai, ASSP/EEE presented a paper titled, “ Analysis of Modulation methods for Voltage Source Inverter “ in the National Conference National Conference on Recent Advancements in Signal Processing and Communication (NCRASPC – 2017) at R.M.K College of Engineering and Technology, Chennai on 27.2.17.
 25. Ms.S.Krishnaveni AP/EEE, Dr. V.Rajini Prof/EEE presented a paper entitled, "Resonant gate driver for series operation of power MOSFETS", in International conference on Power Engineering Computing and CONTROL(PECCON 2017) organized by School of Electrical Engineering, VIT Chennai during 2- 4th March 2017.
 26. S. Premkumar, R. Ramki and Dr. M. Devesh Raj ASSP/EEE presented a paper titled , "PI controller tuning using PSO for load frequency control of hybrid power system", at 3rd International conference on electrical, electronics & computer engineering (ICEECE -2017) at Vivekanandha college of engineering for women, Namakkal on 8.3.17.
 27. Thiagarajan V., AP/EEE, presented a paper titled “ New Single Phase Asymmetric Multilevel Inverter with Reduced Number of Power Switches” in the International Conference on Power and Embedded Drive Control (ICPEDC 2017) organized by organized by Department of EEE, SSN College of Engineering, Chennai on 16.3.17.
 28. G. Priyadarshini, N. Raja Nandhini, S. Shunmugapriya (III year EEE students) and Dr. R. Ramaprabha Asso.Prof./EEE,” Design and Simulation of Smart Sockets for Domestic DC Distribution”, IEEE International Conference on Power and Embedded Drive Control (ICPEDC 2017) at Department of EEE, SSN College of Engineering, pp. 497-500 held during March 16-18, 2017.

29. Dr.R.Seyezhai (ASP/EEE), A.InbaRexy(Research Scholar) presented a paper titled, "AC-DC Interleaved Boost Converter for PFC" in the International Conference on Emerging Trends in Science, Engineering and Technology(ICETSET – 2017) organized by Jerusalem College of Engineering, Chennai on 18.3.17.
30. R.Seyezhai&T.Tamizhselvan "Simulation and Hardware Implementation of Fuzzy PI controller for Solar powered MLI fed Induction Motor" in the International Conference on Trends And Advanced Research in Green Energy Technologies ICTARGET 2017, March 31, 2017 at VIT University, Chennai.
31. R.Seyezhai, K.Suganthi, Mr.M.Sudhakaran, C.Yuvaraj , "Anfis Based Maximum Power Point Tracking For Solar Pv Panel With Cockcroft-Walton Converter Using Modified Inc Algorithm" in the International Conference on Science, Engineering and Technology, ICSIE 2017, Ap.2, 2017 at Jawahar college of Engineering, Chennai.
32. R.Seyezhai,, K.Sharmila, M.Sudhakaran,S.Iyyappan , "Webcam Enabled Raspberry Pi Fire Detection System" in the International Conference on Science, Engineering and Technology, ICSIE 2017 Ap.2, 2017, at Jawahar college of Engineering, Chennai.
33. R.Seyezhai,, E.Narmadha, Mr.M.Sudhakaran, Mr.K.Vijayakumar , "Wireless Based Four Quadrant Operation Of Three Phase BLDC Motor With Fuzzy Logic Using FpgaController" in the International Conference on Science, Engineering and Technology, ICSIE 2017, Ap.2, 2017 at Jawahar college of Engineering, Chennai.
34. R.Seyezhai, and Vishwak "Design and Simulation of Superlift DC-DC Converter for Solar PV applications" in the International Conference on Sustainable Environment & Energy ICSEE'17, Ap.6-7, 2017at Hindustan University, Padur, Chennai.
35. R.Seyezhai, and ShabeerBasha, V.Sujith&Priya , "Analysis and experimentation of Quadratic Boost Converter for Photovoltaic Applications " in the International Conference on Sustainable Environment & Energy ICSEE'17, Ap.6-7, 2017at Hindustan University, Padur, Chennai.
36. Thiagarajan V., AP/EEE, and Dhivakar K., Iyear/EEE, presented a paper titled "New Single Phase Symmetric Seven Level Inverter with Reduced Number of Switches" in the International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET-2017) organized by Jerusalem College of Engineering, Chennai on 17.3.17.
37. Jeshurun Edward, Aravindhan, Karthick, Karthik Ram and Muthuselvan ASSP/EEE, published a paper titled "Supervised Harmonics Compensation of a Single Phase Full Converter", in the proceedings of International Conference on Engineering

- Technology and Science (ICETS'17) at Muthayammal Engineering Institutions, Rasipuram, on March 30 and 31 2017.
38. Aslam Amir, JifryShaheem T M, and MuthuSelvan N B ASSP/EEE, published a paper titled "Study of Distribution Factors for Allocation of Power Transaction in a Deregulated Market", in the proceedings of International Conference on Engineering Technology and Science (ICETS'17) held at Muthayammal Engineering Institutions, Rasipuram, on March 30 and 31 2017.
 39. G. Palanirajan (PG Student) and Dr. R. RamaprabhaAsso.Prof./EEE , "Implementation of Transformerless High Voltage Gain Converters for Automobile Headlamps" in National Conference on Innovative Techniques in Power Engineering and Drives (ITPED) at Velammal Engineering College, Surapet, Chennai, Tamilnadu, India on March 31, 2017.
 40. V. Ramesh Aravind, E. Praveen Kumar and Dr. M. Devesh Raj ASSP/EEE presented a paper titled, " PSO tuned load frequency control of hybrid power system", at International Conference on Engineering Technology and Science (ICETS'17) at Muthayammal Engineering Institutions, Rasipuram on 30.3.17.
 41. MrunalDeshpande ASSP/EEE, SenthilKumaran ASSP/EEE and RanganathMuthu, presented a paper titled FPGA based direct three level matrix converter" 8th International Conference on engineering technology, science and Management Innovation (ICETSMI 2017), IETE Janakpuri, New Delhi 17thsept 2017.
 42. Dr.R.Seyezhai (ASP/EEE) andD.Umarani(AP/EEE) have presenteda paper entitled "Study and Analysis of Performance Degradation of PV based Quasi Z-Source Inverter" in the15thInternational Conference on Science , Engineering and Technology (SET – 2017) organized by VIT, Vellore during 6/11/2017 – 7/11/2017.
 43. Dr.R.Seyezhai (ASP/EEE) and A.Bharathisankar (Research associate, ARCP) presented a paper entitled "Hybrid Powered Electric Bicycle based Super capacitor/Battery " in the 15th International Conference on Science , Engineering and Technology (SET – 2017) organized by VIT, Vellore, during 6/11/2017 – 7/11/2017.
 44. Dr.R.Seyezhai (ASP/EEE) and S.Harika (Research Assistant) presented a paper entitled "High gain DC-DC converters for PV applications " in the 15th International Conference on Science , Engineering and Technology (SET – 2017) organized by VIT, Vellore,during 6/11/2017 – 7/11/2017.
 45. S. Malathy and **R. Ramaprabha** , "Maximum Power Point Tracking Algorithm of SPVA under Inhomogeneous Irradiation Conditions: A Modified Fibonacci Search Based Approach", *International Conference on Power Electronics and Drive Systems (IEEE PEDS 2017)*, Honolulu, Hawaii, USA, pp. 487-492, Dec 12-15, 2017. –

Presented by Dr. R. Ramaprabha (Assoc. Prof.). This presentation is supported by Management & DST under International Travel Grant Scheme.

46. R. Ramaprabha and G. Ramya, "Implementation of Photovoltaic Fed Single Phase Nine Level Hybrid Cascaded Modular Multilevel Inverter with Reduced Number of Devices", *International Conference on Power Electronics and Drive Systems (IEEE PEDS 2017)*, Honolulu, Hawaii, USA, pp. 493-496, Dec 12-15, 2017. – Presented by Dr. R. Ramaprabha (Assoc. Prof.) & Ms. G. Ramya (FT Research Scholar).
47. Dr. R. Seyezhai ASP/EEE and D. Umarani AP/EEE presented a paper entitled "Reliability Study and Performance Analysis of Two-Phase Interleaved Boost Converter" in the 5th International conference on Advances in Engineering Research (ICAER-2017) organized by Indian Institute of Technology Bombay, Powai during 12.12.17 to 14.12.17.
48. Dr. R. Seyezhai ASSP/EEE and D. Umarani AP/EEE presented a paper entitled "Inverted Sine Hybrid Pulse Width Modulation for Quasi Z-Source Multilevel Inverter" in the International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST 2017) organized by National Institute of Technology, Trichy during 31/3/2017 to 01/04/17 and won **Best paper award**.
49. B.S Devika, Vaishali and Gengadevi (UG/IV year EEE), Dr. R. Seyezhai (ASP/EEE), D. Umarani (AP/EEE), have presented a paper entitled "High Frequency High Gain DC-DC Converters for Photovoltaic Applications" in the event ReSConAm'17 at IIT Bombay, Powai.
50. Dr. R. Seyezhai (ASP/EEE), D. Umarani (AP/EEE) and S. Dhivya (Senior Engineer, Tata Elxsi) have presented a paper entitled "Comparative Evaluation of PI and Fuzzy Logic Controller for PV Grid-Tie Quasi Z-Source Multilevel Inverter" in the International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET – 2017) organized by Jerusalem College of Engineering, Chennai and won the Best paper award.
51. Dr. V. Rajini, Margaret Amudha (full time PhD scholar), "Real time implementation of SPV wind systems for green Telecom" at the international conference on renewable energy and its research applications 2017 at California, USA on November 5-8, 2017. She received the Best paper award for this paper.
52. Dr. V. Rajini, Alagudheeraj, "Comparison of active clamping techniques for isolated forward converter" at the international conference on renewable energy and its research applications 2017, California, USA on November 5-8, 2017.
53. Kavitha, Rajini Prof/EEE, Krishnaveni AP/EEE, presented a paper titled "High step up interleaved converter with built in transformer voltage multiplier cells for pulsed electric field generator" in International Conference on SUSTAINABLE ENVIRONMENT & ENERGY, ICSEE'17 6th -7th, April 2017, Chennai.
54. Premkarthik, V, Rajini, presented a paper titled "preparation and characterization of nano based electrodes from spent lead acid battery paste", International Conference on

SUSTAINABLE ENVIRONMENT & ENERGY, ICSEE'17 6th -7th, April 2017, Chennai.

55. Joselinejebamalar, V.Rajini, presented a paper titled " Investigations on a novel triple-input dual-output boost converter", in International Conference on SUSTAINABLE ENVIRONMENT & ENERGY, ICSEE'17 6th -7th, April 2017, Chennai.

NATIONAL CONFERENCE PUBLICATIONS - 2017

1. P. Arjun, III Year EEE and Dr. R. Ramaprabha, Asso.Prof./EEE, "Technical View on Flash Flood Intimation System using GSM", National Conference on Disaster Mitigation, Responsiveness & Management (NCDMRM), Feb 03-04, 2017.
2. Dr. R. Ramaprabha, Asso.Prof./EEE and S. Malathy, AP/EEE "Deploying Power during Natural Disaster by Mobile Solar Photovoltaic System", National Conference on Disaster Mitigation, Responsiveness & Management (NCDMRM), Feb 03-04, 2017.
3. V.S.Nagarajan AP/EEE presented a paper titled, 'ICT trends in Engineering Education and Research-A global perspective' in the 45th ISTE Annual Convention and National Conference organized by Gulzar Group of Institutes, Ludhiana, Punjab during 10.2 and 12.2.17.
4. Dr.M.Balaji ASSP/EEE presented a paper titled, 'Electric vehicle – developments in current scenario' in the 45th ISTE Annual Convention and National Conference organized by Gulzar Group of Institutes, Ludhiana, Punjab, during 10.2 and 12.2.17.
5. Dr.V.Kamaraj Prof/EEE presented a paper titled, 'Home Automation for better Tomorrow' in the 45th ISTE Annual Convention and National Conference organized by Gulzar Group of Institutes, Ludhiana, Punjab, during 10.2 and 12.2.17.
6. Subhitcha.R&V.Sowmya (III Year EEE, B) &DR.R.Seyezhai, ASSP/EEE presented a paper titled, " Analysis of Modulation methods for Voltage Source Inverter " in the National Conference National Conference on Recent Advancements in Signal Processing and Communication (NCRASPC – 2017) at R.M.K College of Engineering and Technology, Chennai on 27.2.17.
7. G. Palanirajan (PG Student) and Dr. R. Ramaprabha Asso.Prof./EEE , "Simulation of Transformerless High Voltage Gain Converters for Vehicle Headlights" in First National Conference on Emerging Trends & Transformations in Engineering And Technology (NC2ET 2017) at Sri Lakshmi Ammal Engineering College, Thiruvanchery, Chennai, Tamilnadu, India on March 24, 2017, pp. 225-227, ISBN: 978-93-8110-61-7. – Presented by G. Palanirajan.
8. Dr.R.Seyezhai, Subhitcha&V.Sowmya(IIIYr.EEE, B) presented a paper titled, "Performance Analysis of PWM strategies for Voltage Source Inverter", National

Conference on Innovative Techniques in Power Engineering & Drives” Velammal Engineering College, Chennai on 30.3.17.

9. Dr.R.Seyezhai (ASP/EEE), D.Umarani (AP/EEE) and S.Dhivya (Senior Engineer, Tata Elxsi) have presented a paper entitled “Evaluation of Modulation Strategies for Single-Phase Quasi Z-Source Inverter” in the 33rd National Convention of Electrical Engineers 2017(NCEE-2017) & National Conference on ‘Hybrid AC/DC Power Systems for Effective Utilization of Renewable Energy’ at NIT, Trichy and Won best paper award.
10. G. Palanirajan (PG Student) and Dr. R. RamaprabhaAsso.Prof./EEE , “Implementation of Transformerless High Voltage Gain Converters for Automobile Headlamps” in National Conference on Innovative Techniques in Power Engineering and Drives (ITPED) at Velammal Engineering College, Surapet, Chennai, Tamilnadu, India on March 31, 2017